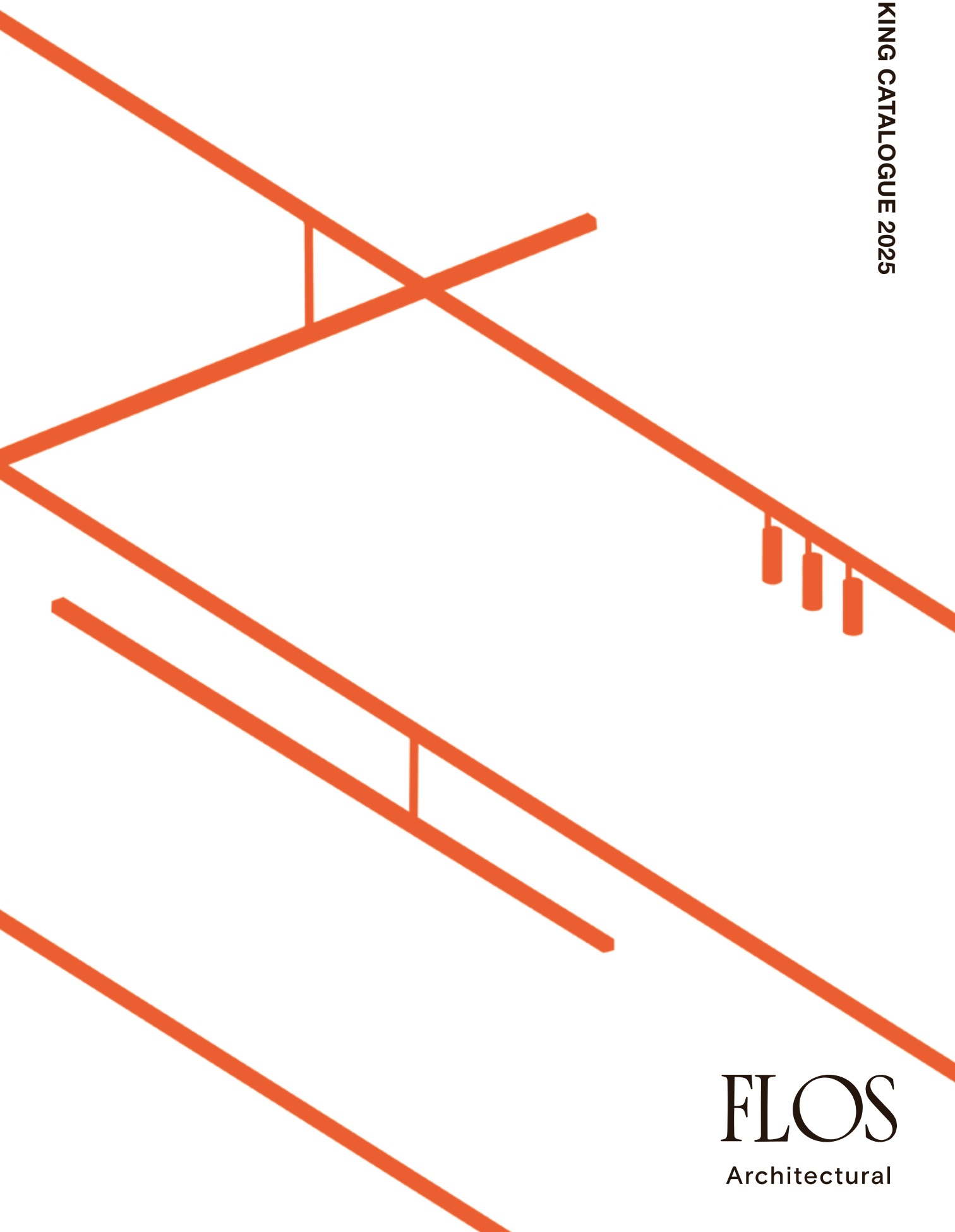
WORKING CATALOGUE 2025



FLOS

Architectural

FLOS

WORKING CATALOGUE 2025

DEUTSCH / ENGLISH

NEW Dieser Marker erscheint in den Produktneuigkeiten / This marker appears alongside Product News

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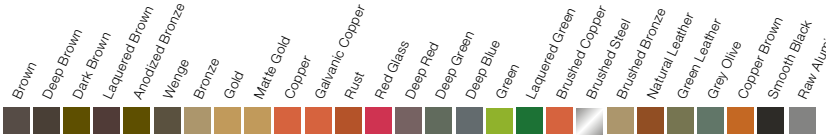
FLOS Architectural

	Glass	White	Matte White	Textured White	Off White	Black	Matte Black	Anodized Black	Grey	Anodice Grey	Mercury	Polished Silver	Anodized Silver	Anodized Aluminium	Polished Aluminium	Brushed Aluminium	Chrome	Smoke Glass	Stainless Steel	Steel	Concrete	Anthracite	Matt Anthracite	Salvia	Teak
THE GLOWING TRACK		•				•																			
MY CIRCUIT		•																							
BELT						•																			
INFRA-STRUCTURE		•				•								•			•								
ZERO TRACK PRO		•				•																			
ZERO TRACK		•				•						•					•								
THE MICRO RUNNING MAGNET		•				•																			
THE RUNNING MAGNET		•				•						•	•												
THE TRACKING MAGNET		•				•						•													
THE TRACKING POWER EVO		•				•							•									•			
THE FAST TRACK		•				•																			
IN-FINITY		•				•				•															
LIGHT CUT MINI		•				•																			
WORKMATES		•				•							•												
GUSTAVE			•									•											•		
EMI					•																				
OBLIQUE / OBLIQUE FLOOR		•							•													•		•	
LIGHT SHADOW MINI		•				•														•					
LIGHT SHADOW		•				•														•					•
LIGHT SHADOW PRO&DOTS		•				•														•					•
ECLECTIC		•				•																			
CIRCLE OF LIGHT						•																			
LED CURTAIN		•																							
KAP		•				•																			
BON JOUR		•				•																			
UT DOWNLIGHT		•				•																			
LIGHT SUPPLY		•				•																			
WAN DOWNLIGHT		•				•						•													
JOHNNY		•				•															•				•
LIGHT SHADOW SPOT		•				•																			
MY SPOT		•				•																			
CAMERA				•																		•			
FIND ME		•				•						•													
UT SPOT		•				•																			
WAN SPOT		•				•						•													
C1		•																				•			
UT PRO SURFACE		•				•																			
KAP SURFACE		•				•									•										
SUPER LINE		•				•			•																
LIGHT BELL	•	•					•	•				•		•							•				
FORT KNOX WALL		•				•						•													
THIN LED		•										•		•											
G-O		•						•				•							•						
THEBLOCKOFLIGHT			•				•		•																

FLOS Soft Architecture

WALL RUPTURE													•												
JUNCOS		•				•										•									



THE GLOWING TRACK																			•	•					
MY CIRCUIT																									
BELT																					•	•	•	•	
INFRA-STRUCTURE								•				•						•	•	•					
ZERO TRACK PRO																		•	•	•					
ZERO TRACK		•			•																				
THE MICRO RUNNING MAGNET																									
THE RUNNING MAGNET																		•	•	•					
THE TRACKING MAGNET																		•	•	•					
THE TRACKING POWER EVO																									
THE FAST TRACK																									
IN-FINITY																									
LIGHT CUT MINI																									
WORKMATES																									
GUSTAVE				•													•							•	•
EMI													•	•	•										
OBLIQUE / OBLIQUE FLOOR	•										•														
LIGHT SHADOW MINI							•			•															
LIGHT SHADOW							•			•								•	•	•					
LIGHT SHADOW PRO&DOTS							•			•								•	•	•					
ECLECTIC																									
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WAN DOWNLIGHT																•									
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MY SPOT																		•	•	•					
CAMERA																									
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UT PRO SURFACE																									
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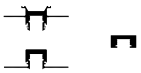
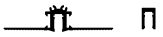
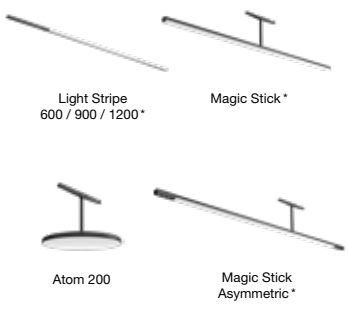
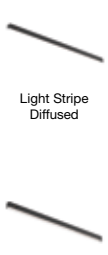
LIGHT BELL			•					•			•														
FORT KNOX WALL																									
THIN LED					•																				
G-O							•																		
THEBLOCKOFLIGHT																									

WALL RUPTURE								•																	
JUNCOS																									

LIGHT STRUCTURES

The Glowing Track, My Circuit, Belt, Infra-Structure, Zero Track PRO, Zero Track, The Micro Running Magnet, The Running Magnet, The Tracking Magnet, The Tracking Power EVO, The Fast Track, In-Finity, Light Cut Mini.

LIGHT STRUCTURES OVERVIEW

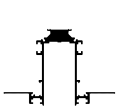
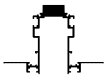
		MY CIRCUIT	THE GLOWING TRACK		ZERO TRACK PRO		ZERO TRACK	THE MICRO RUNNING MAGNET	
									
PHYSICAL CHARACTERISTICS	**MOUNTING**	SURFACE	SURFACE SUSPENSION		RECESSED SURFACE		SURFACE	RECESSED SURFACE	
	COLORS								
	VOLTAGE / TRACK ADAPTER	48 Vdc In-Track	24 Vdc In-Track		24 Vdc In-Track		24 Vdc In-Track	24 Vdc In-Track	
	INNER GAP (mm)	-	11,5		11,5		8	5	
	OUTER GAP (mm)	-	47	47	-	19	17	-	9
	RECESSED DEPTH (mm)	-	-	-	-	-	-	17	-
	HEIGHT (mm)	27	50 75	47	23 / 10 18	10,5	7	14,5 / 17	14
	LENGTH (mm)	8000 / 15000 / 20000	600 / 1200 / 1800 / 2200		1000 / 2000 / 3000		1000 / 2000 / 3000	1000 / 2000 / 3000	
CONTROL CHARACTERISTICS	**PROFILE EMISSION**	✗	✓		✗		✗	✗	
	NON DIMMABLE	✓	✓		✓		✓	✓	
	DALI	✗	✓		✓		✗	✓ [1]	
	CASAMBI	✓	✓		✓		✓	✓	
	1 - 10V	✓ [1]	✗		✓ [1]		✗	✓ [1]	
	PUSH	✗	✗		✗		✗	✓ [1]	
	MAINS DIMMING	✗	✗		✗		✗	✗	
	UP&DOWN (Indep)	–	–		–		–	–	
COMPATIBLE LIGHT MODULES	**ACCENT LIGHTING**	My Circuit Spot Ø25 · My Circuit Spot Ø35 · My Circuit Light Shadow Spot Ø30 · My Circuit Light Shadow Spot Ø45	Find Me 0 1 / 2 / 3 · Find Me 1 1 / 2 / 3 · Find Me 2 1 / 2 / 3 · Multi Spot Mini 1 · Light Shadow Spot 30 1 / 2 · Light Shadow Spot 45 1 / 2 · Find Me 1 Suspension 2 / 3 · Atom 90 1 / 2 / 3 · Atom 120 1 / 2 / 3 · My Spot Ø25 Short / Long 2 · My Spot Ø35 Short / Long 2				Nano Spot · Light Shadow Spot · Micro Spot · Spot · Find Me 0 · Find Me 1	
	DIFFUSED LIGHTING	My Circuit Disc · My Circuit Dome · My Circuit Sphere · My Circuit Lines	–		 Light Stripe 600 / 900 / 1200 * · Magic Stick * · Atom 200 · Magic Stick Asymmetric *			 Light Stripe Diffused · Light Stripe Wall-Washer	

* Only for Zero Track Pro

✓ [1] Broadcast ✓ [2] On Board Dimmer ✓ [3] Non Dimmable ✓ [4] Only Remote Drivers ✓ [5] DALI

[1] The Glowing Track | [2] Zero Track Pro | [3] Zero Track

LIGHT STRUCTURES OVERVIEW

THE RUNNING MAGNET			THE TRACKING MAGNET			INFRA_ STRUCTURE	THE TRACKING POWER EVO	THE FAST TRACK	
									
RECESSED	SURFACE	SUSPENSION Down Up & Down	RECESSED	SURFACE SUSPENSION Down	SUSPENSION Up & Down	SURFACE & SUSPENSION	RECESSED	RECESSED	SURFACE
24 Vdc In-Track			48 Vdc In-Track			48 Vdc In-Track	220-240V In-Track	48 Vdc In-Track	
35			15			-	18,5	35	
-	41		-	25		-	-	-	49
73,5	-	-	31,5	-	-	-	27	73,5	-
73 / 86	100	100	31 / 45	46	52	100 / 300 / 400 / 700	42,8	73 / 86	92
1000 / 1500 / 2000 / 2500 / 3000			1000 / 1500 / 2000 / 2500 / 3000			1100 / 1600	1000 / 2000 / 3000	1000 / 1500 / 2000 / 3000	
✓ Upper integrated			✓ Upper integrated			✓ Upper & direct by light modules	✗	✗	
✓			✓ [2]			✓ [2]	✓ [2 / 3 / 5]	✗	
✓			✓			✓	✗	✗	
✓			✓			✓	✗	✓	
✗			✓			✓	✗	✗	
✗			✗			✗	✗	✗	
✗			✗			✗	✗	✗	
✓			✓ [4]			✓	–	–	
Light Shadow Spot 30	Light Shadow Spot 45	Multi Spot 4	Spot 50	Spot 90	Spot 120	Spot 150	UT Pro 150 [2]	Spot 100	
Find Me 1 Suspension	Spot Module	Light Shadow	Light Shadow Spot 30	Light Shadow Spot 45	Light Shadow Spot 60	Anthony Spot Track*	Multi Spot Mini	UT Pro 175 [2]	Spot 150
	Spot 120	Light Shadow Wall-Washer							
	Anthony Spot Track								
			* Only for The Tracking Magnet						
Light Stripe	Mini Glo-Ball	Workmates	Light Stripe	Wallee		Suspension Panel 600	UT Pro Wall-Washer [3]	–	
String Light Ball	String Light Cone	Mini Glo-Ball Suspension				Suspension Glass Downlight 110			
						Light Tube Direct / Indirect / Blind	Workmates [3 / 5]		

NEW

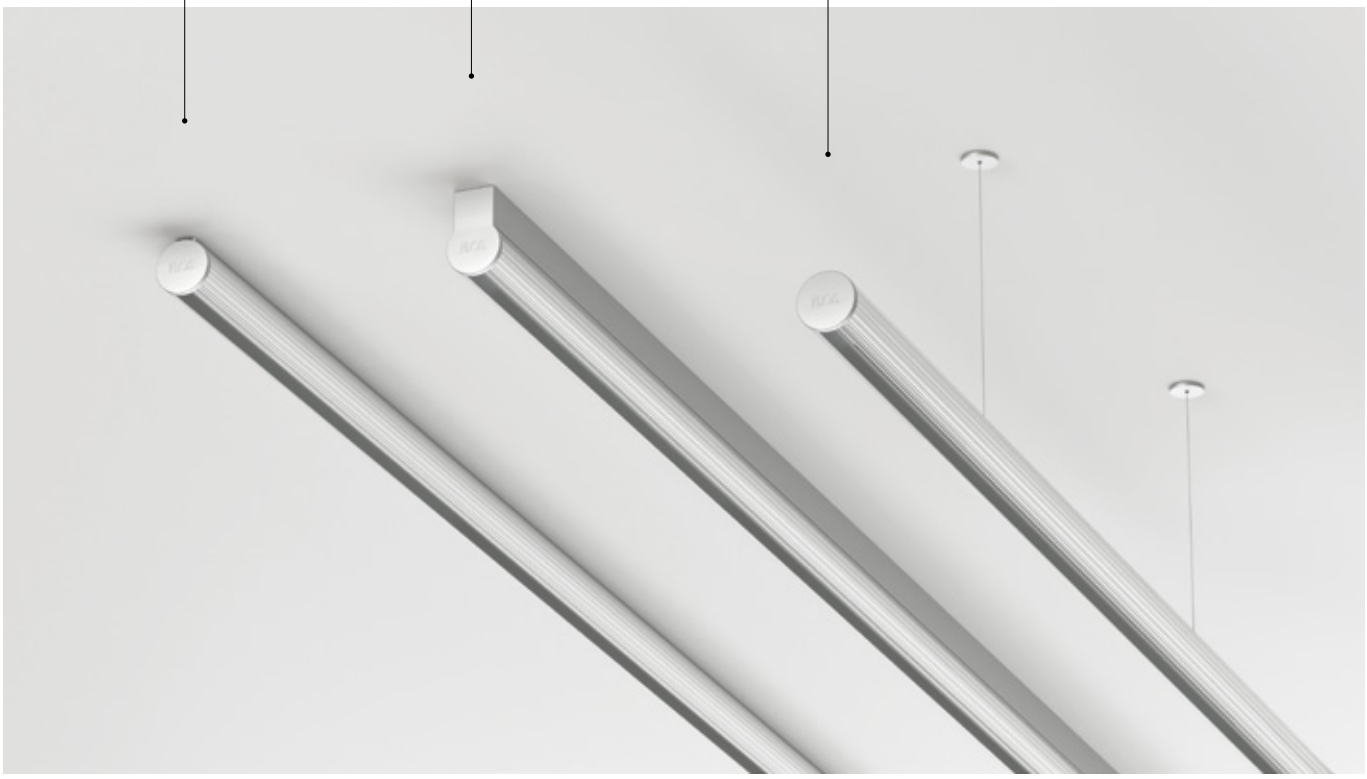
THE GLOWING TRACK

DESIGNED BY FLOS ARCHITECTURAL

SURFACE
REMOTE DRIVER

SURFACE
INTEGRATED DRIVER

SUSPENSION



Weiss
White

Schwarz
Black

Gebürsteter Stahl
Brushed Steel

Gebürstete Bronze
Brushed Bronze

NEW

Produktbeschreibung
Modulares und vielseitiges Beleuchtungssystem, das Innovation, hohe Leistung und elegantes Design in einer einzigen Lösung kombiniert. Es bietet eine umhüllende, gleichmäßige und ausgewogene Umgebungsbeleuchtung, die sich nahtlos in jeden Raum einfügt.

Modelle
Erhältlich in vier Längen (*600 mm, 1200 mm, 1800 mm und 2400 mm) mit einem Durchmesser von nur 47 mm. The Glowing Track ist in hängender, aufliegender (mit oder ohne Treiber) und vertikaler Version erhältlich und passt sich allen Arten von Architekturprojekten an.
Jedes Modell bietet drei Konfigurationen:
- Light + Track: Schafft eine warme und umhüllende Atmosphäre mit der Möglichkeit, Module für gerichtetes oder Akzentlicht hinzuzufügen.
- Light 360º: Bietet gleichmäßige Abdeckung ohne zusätzliche Schienen.
- Only Track (Blind): Für minimalistische Designs, bei denen die Funktionalität der Schiene ohne seitliche Beleuchtung im Vordergrund steht.
**Nur verfügbar in The Glowing Track 360º Surface Remote Driver mit Casambi-Steuerung.*

Optisches System
Die Versionen Light + Track und 360º verfügen über einen optimierten Methacrylat-Diffusor, der gleichmäßiges Licht gewährleistet und Blendung reduziert, während Schatten gemildert werden. Eine breite Palette von Strahlern und Akzentmodulen steht ebenfalls zur Verfügung, um spezifische Projektanforderungen zu erfüllen.

Stromversorgungseinheiten
Die Stromversorgungseinheiten werden separat geliefert, außer bei der Auflagenversion, die die Wahl zwischen integriertem oder externem Treiber bietet. Ein 1200-mm-Auflagenmodell mit integriertem Plug & Play-Treiber ist ebenfalls verfügbar.

Steuersystem
Kompatibel mit Casambi und DALI2, bietet maximale Flexibilität bei der Lichtsteuerung. Profile können unabhängig voneinander gesteuert werden, wobei jede Seite sowie die auf der Schiene installierten Module separat verwaltet werden.

Konnektivität
Profile sind mit einem präzisen und sicheren mechanischen Steckverbinder-System konstruiert, das vielseitige, skalierbare Installationen mit makellosem Finish gewährleistet, ohne die Ästhetik zu beeinträchtigen.

Normen und Qualitätszeichen
Leuchte entspricht der europäischen Norm EN60598-1 und den nachfolgenden Teilen.

Vor der Bestellung die Produktdetails auch auf der professionellen Flos-Website, im technischen Datenblatt und in den Installationsanleitungen prüfen, um alle Informationen zu erhalten, die möglicherweise nicht in diesem Katalog enthalten sind und für Ihr spezifisches Projekt oder Ihre Installation relevant sein könnten.

Description
Modular and versatile lighting system that combines innovation, high performance, and sophisticated design in a single solution. It provides enveloping, homogeneous, and balanced ambient light that integrates naturally into any space.

Models
Available in four lengths (*600 mm, 1200 mm, 1800 mm, and 2400 mm) with a diameter of only 47 mm. The Glowing Track comes in suspended, surface (with or without driver), and vertical versions, adapting to all types of architectural projects.
Each model offers three configurations:
- Light + Track: Creates a warm and enveloping atmosphere, with the option to add modules for directed or accent lighting.
- Light 360º: Provides uniform coverage without the need for additional tracks.
- Only Track (Blind): For minimalist designs, prioritizing track functionality without side lighting.
**Available only in The Glowing Track 360º Surface Remote Driver, with Casambi control.*

Optical System
The Light + Track and 360º versions feature an optimized methacrylate diffuser, ensuring uniform light and reducing glare while softening shadows. A wide range of spotlights and accent modules is also available to meet specific project needs.

Power Units
Power units are supplied separately, except for the surface version, which offers the choice of integrated or remote driver. A 1200 mm surface model with integrated Plug & Play driver is also available.

Control System
Compatible with Casambi and DALI2, providing maximum flexibility in lighting management. Profiles can be independently controlled, managing each side separately, as well as modules installed on the track.

Connectivity
Profiles are designed with a precise and secure mechanical connector assembly system, ensuring versatile, scalable installations with a flawless finish without compromising aesthetics.

Standards and Quality Marks
Luminaire compliant with European Standard EN60598-1 and subsequent parts.

Before placing your order, consult product details on the Flos professional website, technical datasheet, and installation instructions to obtain complete information that may not be included in this catalog but is relevant to your specific project or installation.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

THE GLOWING TRACK

DESIGNED BY FLOS ARCHITECTURAL

PROFILES

THE GLOWING TRACK

LIGHT SOURCE
TOP LED
20,7W/m
2054 lm/m
2200K/CRI 90
2354 lm/m
2700K/CRI 90
2474 lm/m
3000K/CRI 90

THE GLOWING TRACK 360

LIGHT SOURCE
TOP LED
20,7W/m
2054 lm/m
2200K/CRI 90
2354 lm/m
2700K/CRI 90
2474 lm/m
3000K/CRI 90

THE GLOWING TRACK BLIND

LIGHTING MODULES

MULTI SPOT MINI

LIGHT SOURCE
POWER LED
7W
635 lm
2700K/CRI 90
650 lm
3000K/CRI 90

FIND ME 0

LIGHT SOURCE
POWER LED
3,5W
300 lm
2700K/CRI 90
325 lm
3000K/CRI 90

FIND ME 1

LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

FIND ME 2

LIGHT SOURCE
POWER LED
10,5W
650 lm
2700K/CRI 90
700 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4,7W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
11W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

ATOM 90

LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

ATOM 120

LIGHT SOURCE
POWER LED
8W
635 lm
2700K/CRI 90
680 lm
3000K/CRI 90

NEW

Multi Spot Mini

40 Weiss
40 White

14 Schwarz
14 Black

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Find Me

40 Weiss
40 White

14 Schwarz
14 Black

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Light Shadow Spot

40 Weiss
40 White

14 Schwarz
14 Black

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Atom

40 Weiss
40 White

14 Schwarz
14 Black

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

NEW

HOW TO ORDER

1 CHOOSE YOUR PROFILE & LENGTH

2 COMPLETE WITH MOUNTING ACCESSORIES

SUSPENSION PROFILES

The Glowing Track Suspension

L: 1,2 / 1,8 / 2,2 m

Suspension

Linear Joint | Corner Joint 2 | Corner Joint 3 | Corner Joint 4

The Glowing Track Vertical

L: 1,2 / 1,8 / 2,2 m

Vertical

Corner Joint 2

SURFACE PROFILES

The Glowing Track Surface Remote Driver

L: 0,6 / 1,2 / 1,8 / 2,2 m

Surface Remote Driver

Linear Joint | Corner Joint 2 | Corner Joint 3 | Corner Joint 4

The Glowing Track Surface Integrated Driver

L: 1,2 / 1,8 / 2,2 m

Surface Integrated Driver

Linear Joint | Corner Joint 2 | Corner Joint 3 | Corner Joint 4

Fixed ceiling kit

NEW

3 SELECT POWER SUPPLY

Suspension

Remote Power Supply Kit

Surface Power Supply Kit

Recessed Power Supply Kit

Surface Remote Driver & Vertical
Remote Installation Driver

60W - 24V

120W - 24V

Surface Driver Integrated
Power Supply Included

4 SELECT A LIGHT MODULE AND CONTROL OPTION

No DIM / DALI

Multi Spot Mini

S/M/F

Light Shadow Spot 30

S/M/F/WF

Light Shadow Spot 45

S/M/F

No DIM / DALI / Casambi

Find Me 0

S/M

Find Me 1

S/M

Find Me 2

S/M/F

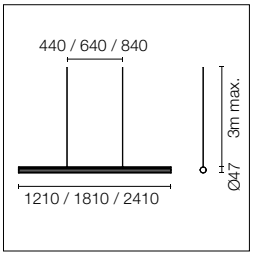
Atom 90

Atom 120

S/M

The Glowing Track Suspension

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850°

IP 20

LED INCL

1 - 100%

Abgehängtes Beleuchtungssystem, das Ambientebeleuchtung mit einer Schiene kombiniert, die die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten (Zubehörset für externen oder oberflächenmontierten Treiber).
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

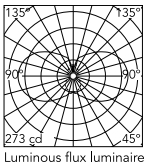
Suspended lighting system that combines ambient lighting with a track that allows the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included (Accessory kit for remote or surface driver).
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

2200K

L: 1200 mm

Dali
- 05.4600.40.DA
- 05.4600.14.DA
- 05.4600.ER.DA
- 05.4600.ES.DA

Casambi
- 05.4600.40.CB
- 05.4600.14.CB
- 05.4600.ER.CB
- 05.4600.ES.CB

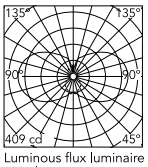


Luminous flux luminaire
1523 lm

L: 1800 mm

Dali
- 05.4602.40.DA
- 05.4602.14.DA
- 05.4602.ER.DA
- 05.4602.ES.DA

Casambi
- 05.4602.40.CB
- 05.4602.14.CB
- 05.4602.ER.CB
- 05.4602.ES.CB

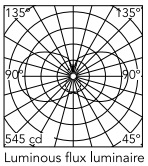


Luminous flux luminaire
2285 lm

L: 2400 mm

Dali
- 05.4604.40.DA
- 05.4604.14.DA
- 05.4604.ER.DA
- 05.4604.ES.DA

Casambi
- 05.4604.40.CB
- 05.4604.14.CB
- 05.4604.ER.CB
- 05.4604.ES.CB



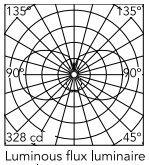
Luminous flux luminaire
3047 lm

3000K

L: 1200 mm

Dali
- 05.4501.40.DA
- 05.4501.14.DA
- 05.4501.ER.DA
- 05.4501.ES.DA

Casambi
- 05.4501.40.CB
- 05.4501.14.CB
- 05.4501.ER.CB
- 05.4501.ES.CB

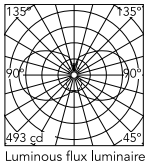


Luminous flux luminaire
1834 lm

L: 1800 mm

Dali
- 05.4503.40.DA
- 05.4503.14.DA
- 05.4503.ER.DA
- 05.4503.ES.DA

Casambi
- 05.4503.40.CB
- 05.4503.14.CB
- 05.4503.ER.CB
- 05.4503.ES.CB



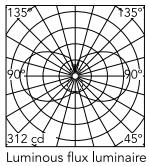
Luminous flux luminaire
2752 lm

2700K

L: 1200 mm

Dali
- 05.4500.40.DA
- 05.4500.14.DA
- 05.4500.ER.DA
- 05.4500.ES.DA

Casambi
- 05.4500.40.CB
- 05.4500.14.CB
- 05.4500.ER.CB
- 05.4500.ES.CB

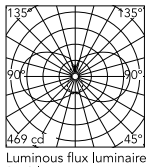


Luminous flux luminaire
1746 lm

L: 1800 mm

Dali
- 05.4502.40.DA
- 05.4502.14.DA
- 05.4502.ER.DA
- 05.4502.ES.DA

Casambi
- 05.4502.40.CB
- 05.4502.14.CB
- 05.4502.ER.CB
- 05.4502.ES.CB

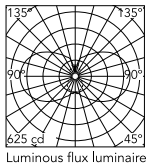


Luminous flux luminaire
2619 lm

L: 2400 mm

Dali
- 05.4504.40.DA
- 05.4504.14.DA
- 05.4504.ER.DA
- 05.4504.ES.DA

Casambi
- 05.4504.40.CB
- 05.4504.14.CB
- 05.4504.ER.CB
- 05.4504.ES.CB



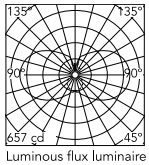
Luminous flux luminaire
3492 lm

3000K

L: 2400 mm

Dali
- 05.4505.40.DA
- 05.4505.14.DA
- 05.4505.ER.DA
- 05.4505.ES.DA

Casambi
- 05.4505.40.CB
- 05.4505.14.CB
- 05.4505.ER.CB
- 05.4505.ES.CB

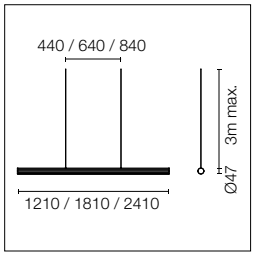


Luminous flux luminaire
3670 lm

NEW

The Glowing Track 360 Suspension

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850° | IP 20 | LED INCL | 1 - 100%

360°-Abgehängtes Ambientebeleuchtungssystem mit gleichmäßiger Lichtverteilung. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten (Zubehörset für externen oder oberflächenmontierten Treiber).

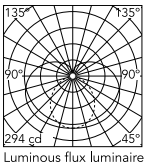
360° suspended ambient lighting system that provides uniform light distribution. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included (Accessory kit for remote or surface driver).

2200K

L: 1200 mm

Dali
- 05.4650.40.DA
- 05.4650.14.DA
- 05.4650.ER.DA
- 05.4650.ES.DA

Casambi
- 05.4650.40.CB
- 05.4650.14.CB
- 05.4650.ER.CB
- 05.4650.ES.CB

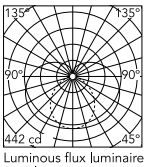


Luminous flux luminaire
1768 lm

L: 1800 mm

Dali
- 05.4652.40.DA
- 05.4652.14.DA
- 05.4652.ER.DA
- 05.4652.ES.DA

Casambi
- 05.4652.40.CB
- 05.4652.14.CB
- 05.4652.ER.CB
- 05.4652.ES.CB

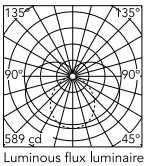


Luminous flux luminaire
2652 lm

L: 2400 mm

Dali
- 05.4654.40.DA
- 05.4654.14.DA
- 05.4654.ER.DA
- 05.4654.ES.DA

Casambi
- 05.4654.40.CB
- 05.4654.14.CB
- 05.4654.ER.CB
- 05.4654.ES.CB



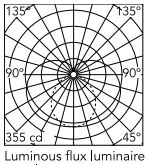
Luminous flux luminaire
3536 lm

3000K

L: 1200 mm

Dali
- 05.4551.40.DA
- 05.4551.14.DA
- 05.4551.ER.DA
- 05.4551.ES.DA

Casambi
- 05.4551.40.CB
- 05.4551.14.CB
- 05.4551.ER.CB
- 05.4551.ES.CB

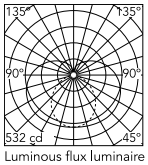


Luminous flux luminaire
2130 lm

L: 1800 mm

Dali
- 05.4553.40.DA
- 05.4553.14.DA
- 05.4553.ER.DA
- 05.4553.ES.DA

Casambi
- 05.4553.40.CB
- 05.4553.14.CB
- 05.4553.ER.CB
- 05.4553.ES.CB



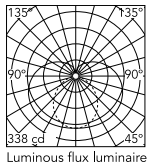
Luminous flux luminaire
3195 lm

2700K

L: 1200 mm

Dali
- 05.4550.40.DA
- 05.4550.14.DA
- 05.4550.ER.DA
- 05.4550.ES.DA

Casambi
- 05.4550.40.CB
- 05.4550.14.CB
- 05.4550.ER.CB
- 05.4550.ES.CB

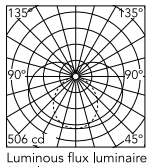


Luminous flux luminaire
2026 lm

L: 1800 mm

Dali
- 05.4552.40.DA
- 05.4552.14.DA
- 05.4552.ER.DA
- 05.4552.ES.DA

Casambi
- 05.4552.40.CB
- 05.4552.14.CB
- 05.4552.ER.CB
- 05.4552.ES.CB

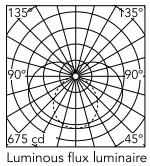


Luminous flux luminaire
3040 lm

L: 2400 mm

Dali
- 05.4554.40.DA
- 05.4554.14.DA
- 05.4554.ER.DA
- 05.4554.ES.DA

Casambi
- 05.4554.40.CB
- 05.4554.14.CB
- 05.4554.ER.CB
- 05.4554.ES.CB



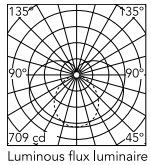
Luminous flux luminaire
4053 lm

3000K

L: 2400 mm

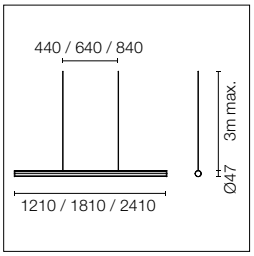
Dali
- 05.4555.40.DA
- 05.4555.14.DA
- 05.4555.ER.DA
- 05.4555.ES.DA

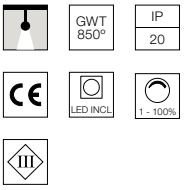
Casambi
- 05.4555.40.CB
- 05.4555.14.CB
- 05.4555.ER.CB
- 05.4555.ES.CB



Luminous flux luminaire
4260 lm

The Glowing Track Blind Suspension





Abgehängte, elektrifizierte Schiene, die für maximale Vielseitigkeit konzipiert ist und die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten (Zubehörset für externen oder oberflächenmontierten Treiber).
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

Suspended electrified track designed for maximum versatility, allowing the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included (Accessory kit for remote or surface driver).
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

L: 1200 mm

Dimmable

- 06.2660.40
- 06.2660.14
- 06.2660.ER
- 06.2660.ES

Non Dimmable

- 06.2661.40
- 06.2661.14
- 06.2661.ER
- 06.2661.ES

L: 1800 mm

Dimmable

- 06.2662.40
- 06.2662.14
- 06.2662.ER
- 06.2662.ES

Non Dimmable

- 06.2663.40
- 06.2663.14
- 06.2663.ER
- 06.2663.ES

L: 2400 mm

Dimmable

- 06.2664.40
- 06.2664.14
- 06.2664.ER
- 06.2664.ES

Non Dimmable

- 06.2665.40
- 06.2665.14
- 06.2665.ER
- 06.2665.ES

NEW

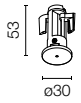
SUSPENSION INSTALLATION

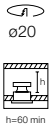
Zubehör / Accessories

Netzteilsatz für Remotemontage / Remote Power Supply Kit

Zubehörsatz für Fernsteuerung.
Treiber im Lieferumfang enthalten.

Accessory kit for remote driver.
Driver Included.



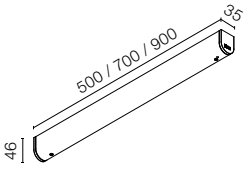


120W	150W
06.0501.40	06.0508.40
06.0501.14	06.0508.14
06.0501.ER	06.0508.ER
06.0501.ES	06.0508.ES

Netzteilsatz für Oberflächenmontage / Surface Power Supply Kit

Zubehörsatz für Treiber zur Oberflächenmontage. Treiber im Lieferumfang enthalten. 150W.

Accessory kit for surface driver.
Driver Included. 150W.

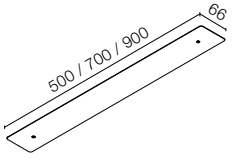


L: 500 mm	L: 700 mm	L: 900 mm
06.0502.40	06.0503.40	06.0504.40
06.0502.14	06.0503.14	06.0504.14
06.0502.ER	06.0503.ER	06.0504.ER
06.0502.ES	06.0503.ES	06.0504.ES

Netzteilsatz für Einbaumontage / Recessed Power Supply Kit

Zubehörsatz für Treiber zur Einbaumontage. Treiber im Lieferumfang enthalten. 150W.

Accessory kit for recessed driver.
Driver Included. 150W.



L: 500 mm	L: 700 mm	L: 900 mm
06.0505.40	06.0506.40	06.0507.40
06.0505.14	06.0506.14	06.0507.14
06.0505.ER	06.0506.ER	06.0507.ER
06.0505.ES	06.0506.ES	06.0507.ES

Weiss
White

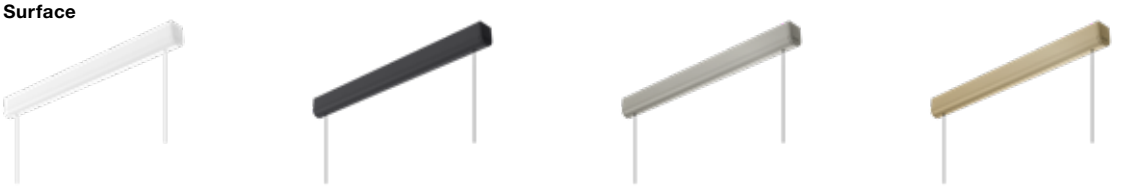
Schwarz
Black

Gebürsteter Stahl
Brushed Steel

Gebürstete Bronze
Brushed Bronze

Remote

Surface

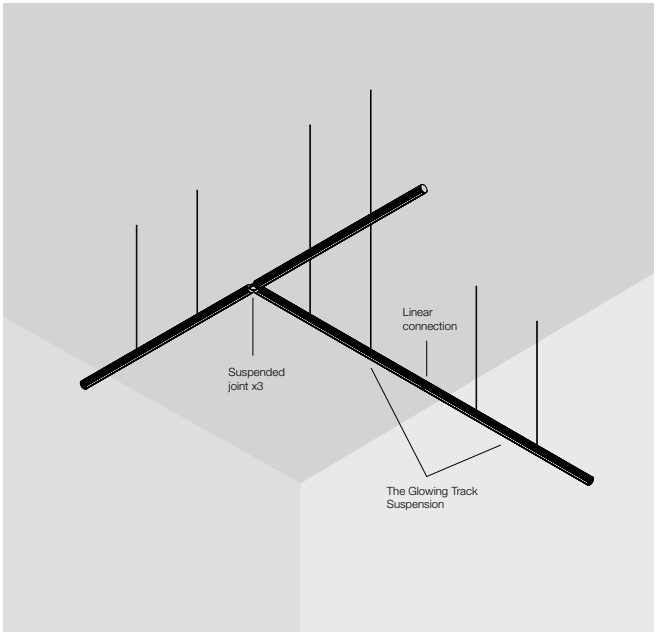


Recessed

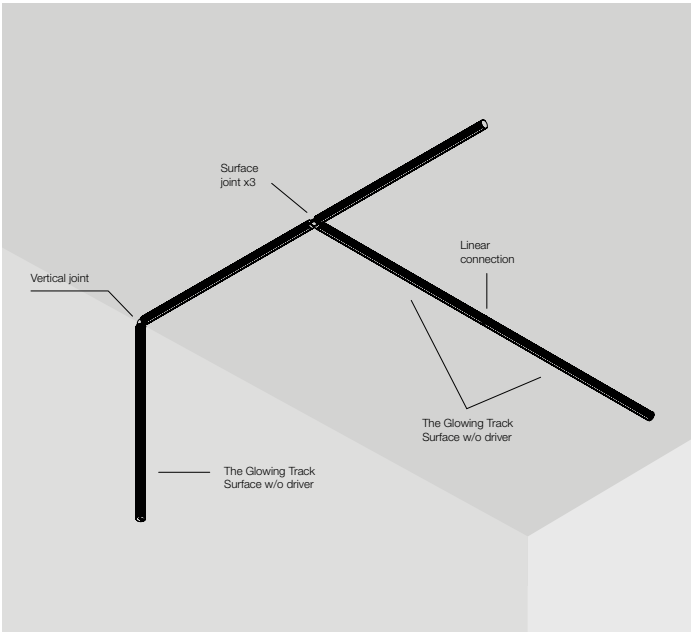
NEW

THE GLOWING TRACK — PROFILES

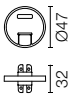
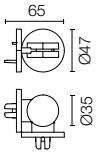
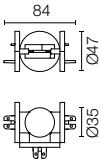
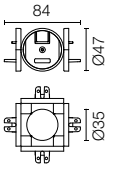
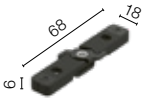
SUSPENSION INSTALLATION



SURFACE REMOTE DRIVER INSTALLATION



Zubehör / Accessories

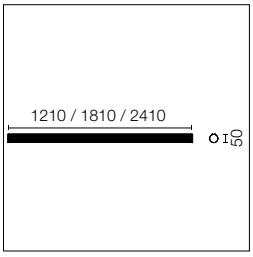
Lineare Verbindung Lineare Verbindung zur Verbindung von Komponenten in einer geraden Linie.	**Linear Joint** Linear connection used to join components in a straight line.			08.1205.40 08.1205.14 08.1205.ER 08.1205.ES
Eckverbindung 2 90°-Eckverbinder zur Verbindung von Komponenten in horizontaler und vertikaler Ebene.	**Corner Joint 2** 90° corner connector used to join components in the horizontal and vertical plane.			08.1206.40 08.1206.14 08.1206.ER 08.1206.ES
Eckverbindung 3 Verbinder zur Verbindung von drei Komponenten im rechten Winkel.	**Corner Joint 3** Connector used to join three components at right angles			08.1207.40 08.1207.14 08.1207.ER 08.1207.ES
Eckverbindung 4 Verbinder zur Verbindung von vier Komponenten im rechten Winkel.	**Corner Joint 4** Connector used to join four components at right angles.			08.1208.40 08.1208.14 08.1208.ER 08.1208.ES
Aufputz-Halterungs-Kit.	Ceiling Fixing Kit			08.0615.00

Profile (mm)	Fixation points	Ceiling Kit to order
600	2	1
1200	3	2
1800	4	2
2400	4	2

NEW

The Glowing Track Surface Remote Driver

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850° | IP 20 | LED INCL | 1 - 100%

Oberflächenmontiertes Beleuchtungssystem, das Ambientebeleuchtung mit einer Schiene kombiniert und die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten.
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

Surface lighting system that combines ambient lighting with a track that allows the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included.
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

Empfohlene Netzgeräte / Recommended power supply*:

	120W
Non Dimmable 24V	60.7783

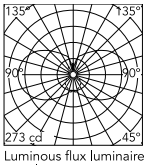
* Siehe Treiberkapitel / Refer to the Drivers chapter

2200K

L: 1200 mm

Dali
- 05.4620.40.DA
- 05.4620.14.DA
- 05.4620.ER.DA
- 05.4620.ES.DA

Casambi
- 05.4620.40.CB
- 05.4620.14.CB
- 05.4620.ER.CB
- 05.4620.ES.CB

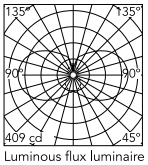


Luminous flux luminaire
1523 lm

L: 1800 mm

Dali
- 05.4622.40.DA
- 05.4622.14.DA
- 05.4622.ER.DA
- 05.4622.ES.DA

Casambi
- 05.4622.40.CB
- 05.4622.14.CB
- 05.4622.ER.CB
- 05.4622.ES.CB

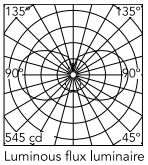


Luminous flux luminaire
2285 lm

L: 2400 mm

Dali
- 05.4624.40.DA
- 05.4624.14.DA
- 05.4624.ER.DA
- 05.4624.ES.DA

Casambi
- 05.4624.40.CB
- 05.4624.14.CB
- 05.4624.ER.CB
- 05.4624.ES.CB



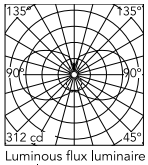
Luminous flux luminaire
3047 lm

2700K

L: 1200 mm

Dali
- 05.4520.40.DA
- 05.4520.14.DA
- 05.4520.ER.DA
- 05.4520.ES.DA

Casambi
- 05.4520.40.CB
- 05.4520.14.CB
- 05.4520.ER.CB
- 05.4520.ES.CB

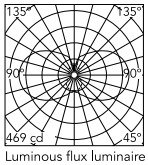


Luminous flux luminaire
1746 lm

L: 1800 mm

Dali
- 05.4522.40.DA
- 05.4522.14.DA
- 05.4522.ER.DA
- 05.4522.ES.DA

Casambi
- 05.4522.40.CB
- 05.4522.14.CB
- 05.4522.ER.CB
- 05.4522.ES.CB

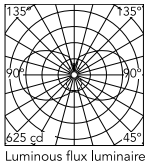


Luminous flux luminaire
2619 lm

L: 2400 mm

Dali
- 05.4524.40.DA
- 05.4524.14.DA
- 05.4524.ER.DA
- 05.4524.ES.DA

Casambi
- 05.4524.40.CB
- 05.4524.14.CB
- 05.4524.ER.CB
- 05.4524.ES.CB



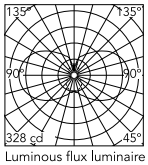
Luminous flux luminaire
3492 lm

3000K

L: 1200 mm

Dali
- 05.4521.40.DA
- 05.4521.14.DA
- 05.4521.ER.DA
- 05.4521.ES.DA

Casambi
- 05.4521.40.CB
- 05.4521.14.CB
- 05.4521.ER.CB
- 05.4521.ES.CB

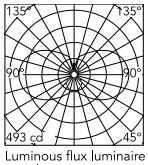


Luminous flux luminaire
1834 lm

L: 1800 mm

Dali
- 05.4523.40.DA
- 05.4523.14.DA
- 05.4523.ER.DA
- 05.4523.ES.DA

Casambi
- 05.4523.40.CB
- 05.4523.14.CB
- 05.4523.ER.CB
- 05.4523.ES.CB



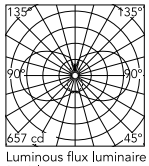
Luminous flux luminaire
2752 lm

3000K

L: 2400 mm

Dali
- 05.4525.40.DA
- 05.4525.14.DA
- 05.4525.ER.DA
- 05.4525.ES.DA

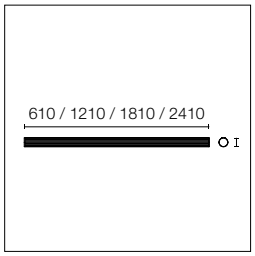
Casambi
- 05.4525.40.CB
- 05.4525.14.CB
- 05.4525.ER.CB
- 05.4525.ES.CB



Luminous flux luminaire
3670 lm

The Glowing Track 360 Surface Remote Driver

Top LED - L: 600 mm - 12,4W - 1232 lm - 2200K/CRI 90 / 1412 lm - 2700K/CRI 90 / 1484 lm - 3000K/CRI 90
L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850°

IP 20

LED INCL.

1 - 100%

360° Oberflächen-Ambientebeleuchtungssystem, das eine gleichmäßige Lichtverteilung bietet. Erhältlich in vier Längen (600 mm, 1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten.

360° surface ambient lighting system that provides uniform light distribution. Available in four lengths (600 mm, 1200 mm, 1800 mm, and 2400 mm). Driver not included.

Empfohlene Netzgeräte / Recommended power supply*:

	60W
Non Dimmable 24V	60.9427A

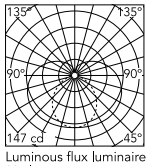
* Siehe Treiberkapitel / Refer to the Drivers chapter

2200K

L: 600 mm

Casambi

- 05.4695.40.CB
- 05.4695.14.CB
- 05.4695.ER.CB
- 05.4695.ES.CB



Luminous flux luminaire
884 lm

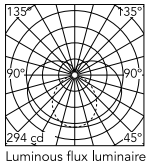
L: 1200 mm

Dali

- 05.4670.40.DA
- 05.4670.14.DA
- 05.4670.ER.DA
- 05.4670.ES.DA

Casambi

- 05.4670.40.CB
- 05.4670.14.CB
- 05.4670.ER.CB
- 05.4670.ES.CB



Luminous flux luminaire
1768 lm

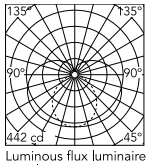
L: 1800 mm

Dali

- 05.4672.40.DA
- 05.4672.14.DA
- 05.4672.ER.DA
- 05.4672.ES.DA

Casambi

- 05.4672.40.CB
- 05.4672.14.CB
- 05.4672.ER.CB
- 05.4672.ES.CB



Luminous flux luminaire
2652 lm

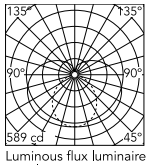
L: 2400 mm

Dali

- 05.4674.40.DA
- 05.4674.14.DA
- 05.4674.ER.DA
- 05.4674.ES.DA

Casambi

- 05.4674.40.CB
- 05.4674.14.CB
- 05.4674.ER.CB
- 05.4674.ES.CB



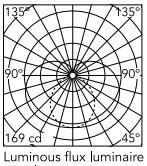
Luminous flux luminaire
3536 lm

2700K

L: 600 mm

Casambi

- 05.4595.40.CB
- 05.4595.14.CB
- 05.4595.ER.CB
- 05.4595.ES.CB



Luminous flux luminaire
1013 lm

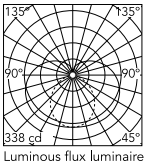
L: 1200 mm

Dali

- 05.4570.40.DA
- 05.4570.14.DA
- 05.4570.ER.DA
- 05.4570.ES.DA

Casambi

- 05.4570.40.CB
- 05.4570.14.CB
- 05.4570.ER.CB
- 05.4570.ES.CB



Luminous flux luminaire
2026 lm

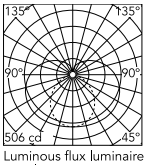
L: 1800 mm

Dali

- 05.4572.40.DA
- 05.4572.14.DA
- 05.4572.ER.DA
- 05.4572.ES.DA

Casambi

- 05.4572.40.CB
- 05.4572.14.CB
- 05.4572.ER.CB
- 05.4572.ES.CB



Luminous flux luminaire
3040 lm

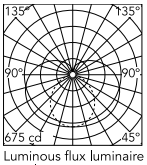
L: 2400 mm

Dali

- 05.4574.40.DA
- 05.4574.14.DA
- 05.4574.ER.DA
- 05.4574.ES.DA

Casambi

- 05.4574.40.CB
- 05.4574.14.CB
- 05.4574.ER.CB
- 05.4574.ES.CB



Luminous flux luminaire
4053 lm

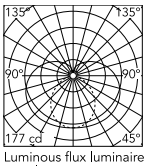
NEW

3000K

L: 600 mm

Casambi

- 05.4596.40.CB
- 05.4596.14.CB
- 05.4596.ER.CB
- 05.4596.ES.CB



Luminous flux luminaire
1065 lm

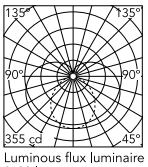
L: 1200 mm

Dali

- 05.4571.40.DA
- 05.4571.14.DA
- 05.4571.ER.DA
- 05.4571.ES.DA

Casambi

- 05.4571.40.CB
- 05.4571.14.CB
- 05.4571.ER.CB
- 05.4571.ES.CB



Luminous flux luminaire
2130 lm

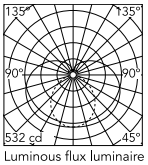
L: 1800 mm

Dali

- 05.4573.40.DA
- 05.4573.14.DA
- 05.4573.ER.DA
- 05.4573.ES.DA

Casambi

- 05.4573.40.CB
- 05.4573.14.CB
- 05.4573.ER.CB
- 05.4573.ES.CB



Luminous flux luminaire
3195 lm

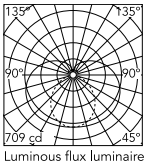
L: 2400 mm

Dali

- 05.4575.40.DA
- 05.4575.14.DA
- 05.4575.ER.DA
- 05.4575.ES.DA

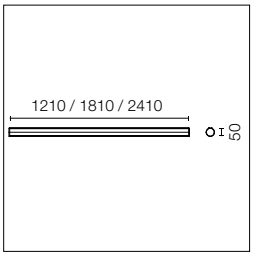
Casambi

- 05.4575.40.CB
- 05.4575.14.CB
- 05.4575.ER.CB
- 05.4575.ES.CB



Luminous flux luminaire
4260 lm

The Glowing Track Blind Surface Remote Driver



GWT 850°

IP 20

LED INCL.

1 - 100%

Oberflächenmontierte, elektrifizierte Schiene, die für maximale Vielseitigkeit konzipiert ist und die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten.
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

Surface electrified track designed for maximum versatility, allowing the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included.
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

Empfohlene Netzgeräte / Recommended power supply*:

	60W	120W
Non Dimmable 24V	60.9427A	60.7783

* Siehe Treiberkapitel / Refer to the Drivers chapter

L: 1200 mm

Dimmable
- 06.2672.40
- 06.2672.14
- 06.2672.ER
- 06.2672.ES

Non Dimmable
- 06.2673.40
- 06.2673.14
- 06.2673.ER
- 06.2673.ES

L: 1800 mm

Dimmable
- 06.2674.40
- 06.2674.14
- 06.2674.ER
- 06.2674.ES

Non Dimmable
- 06.2675.40
- 06.2675.14
- 06.2675.ER
- 06.2675.ES

L: 2400 mm

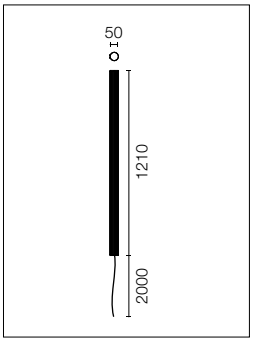
Dimmable
- 06.2676.40
- 06.2676.14
- 06.2676.ER
- 06.2676.ES

Non Dimmable
- 06.2677.40
- 06.2677.14
- 06.2677.ER
- 06.2677.ES

NEW

The Glowing Track Surface + Wall PSU

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90



GWT 850° | IP 20 | LED INCL | 1 - 100% | III

Oberflächenbeleuchtungssystem, das Umgebungslicht mit einer Schiene kombiniert, die die Installation einer Vielzahl von Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in 1200 mm. Treiber und Stecker inklusive.
Wird mit 3 Steckertypen geliefert: EU, UK und USA.
Verfügbare Leistung auf der Schiene: 1200mm: 79W

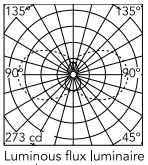
Surface lighting system that combines ambient lighting with a track that allows the installation of a wide range of projectors and accent lighting modules. Available in 1200 mm. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA.
Available power on the track: 1200mm: 79W

2200K

L: 1200 mm

Casambi

- 05.4690.40.CB
- 05.4690.14.CB
- 05.4690.ER.CB
- 05.4690.ES.CB



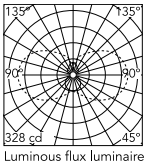
Luminous flux luminaire
1523 lm

3000K

L: 1200 mm

Casambi

- 05.4591.40.CB
- 05.4591.14.CB
- 05.4591.ER.CB
- 05.4591.ES.CB



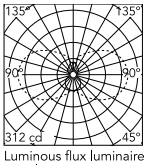
Luminous flux luminaire
1834 lm

2700K

L: 1200 mm

Casambi

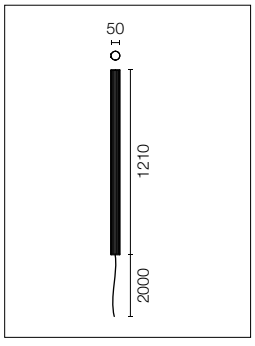
- 05.4590.40.CB
- 05.4590.14.CB
- 05.4590.ER.CB
- 05.4590.ES.CB



Luminous flux luminaire
1746 lm

The Glowing Track 360 Surface + Wall PSU

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90



GWT 850° | IP 20 | LED INCL | 1 - 100% | III

360° Oberflächen-Ambientebeleuchtungssystem, das eine gleichmäßige Lichtverteilung bietet. Erhältlich in 1200 mm. Treiber nicht enthalten. Treiber und Stecker inklusive.
Wird mit 3 Steckertypen geliefert: EU, UK und USA.

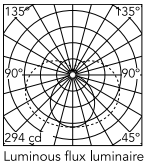
360° surface ambient lighting system that provides uniform light distribution. Available in 1200 mm. Driver not included. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA.

2200K

L: 1200 mm

Casambi

- 05.4692.40.CB
- 05.4692.14.CB
- 05.4692.ER.CB
- 05.4692.ES.CB



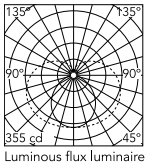
Luminous flux luminaire
1768 lm

3000K

L: 1200 mm

Casambi

- 05.4593.40.CB
- 05.4593.14.CB
- 05.4593.ER.CB
- 05.4593.ES.CB



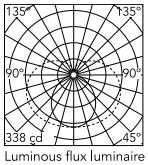
Luminous flux luminaire
2130 lm

2700K

L: 1200 mm

Casambi

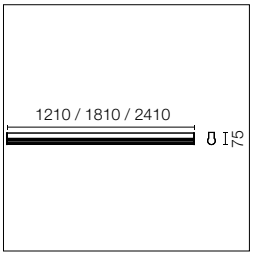
- 05.4592.40.CB
- 05.4592.14.CB
- 05.4592.ER.CB
- 05.4592.ES.CB



Luminous flux luminaire
2026 lm

The Glowing Track Surface Integrated Driver

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850°
IP 20
LED INCL
1 - 100%

Oberflächenmontiertes Beleuchtungssystem, das Ambientebeleuchtung mit einer Schiene kombiniert und die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber enthalten.
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

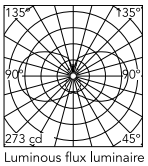
Surface lighting system that combines ambient lighting with a track that allows the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver included.
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

2200K

L: 1200 mm

Dali
- 05.4610.40.DA
- 05.4610.14.DA
- 05.4610.ER.DA
- 05.4610.ES.DA

Casambi
- 05.4610.40.CB
- 05.4610.14.CB
- 05.4610.ER.CB
- 05.4610.ES.CB

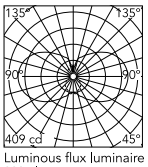


Luminous flux luminaire
1523 lm

L: 1800 mm

Dali
- 05.4612.40.DA
- 05.4612.14.DA
- 05.4612.ER.DA
- 05.4612.ES.DA

Casambi
- 05.4612.40.CB
- 05.4612.14.CB
- 05.4612.ER.CB
- 05.4612.ES.CB

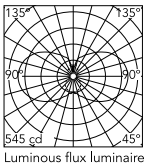


Luminous flux luminaire
2285 lm

L: 2400 mm

Dali
- 05.4614.40.DA
- 05.4614.14.DA
- 05.4614.ER.DA
- 05.4614.ES.DA

Casambi
- 05.4614.40.CB
- 05.4614.14.CB
- 05.4614.ER.CB
- 05.4614.ES.CB



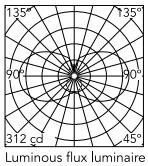
Luminous flux luminaire
3047 lm

2700K

L: 1200 mm

Dali
- 05.4510.40.DA
- 05.4510.14.DA
- 05.4510.ER.DA
- 05.4510.ES.DA

Casambi
- 05.4510.40.CB
- 05.4510.14.CB
- 05.4510.ER.CB
- 05.4510.ES.CB

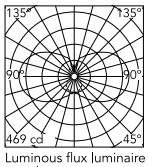


Luminous flux luminaire
1746 lm

L: 1800 mm

Dali
- 05.4512.40.DA
- 05.4512.14.DA
- 05.4512.ER.DA
- 05.4512.ES.DA

Casambi
- 05.4512.40.CB
- 05.4512.14.CB
- 05.4512.ER.CB
- 05.4512.ES.CB

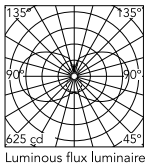


Luminous flux luminaire
2619 lm

L: 2400 mm

Dali
- 05.4514.40.DA
- 05.4514.14.DA
- 05.4514.ER.DA
- 05.4514.ES.DA

Casambi
- 05.4514.40.CB
- 05.4514.14.CB
- 05.4514.ER.CB
- 05.4514.ES.CB



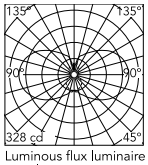
Luminous flux luminaire
3492 lm

3000K

L: 1200 mm

Dali
- 05.4511.40.DA
- 05.4511.14.DA
- 05.4511.ER.DA
- 05.4511.ES.DA

Casambi
- 05.4511.40.CB
- 05.4511.14.CB
- 05.4511.ER.CB
- 05.4511.ES.CB

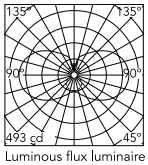


Luminous flux luminaire
1834 lm

L: 1800 mm

Dali
- 05.4513.40.DA
- 05.4513.14.DA
- 05.4513.ER.DA
- 05.4513.ES.DA

Casambi
- 05.4513.40.CB
- 05.4513.14.CB
- 05.4513.ER.CB
- 05.4513.ES.CB



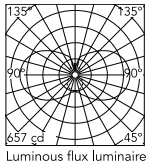
Luminous flux luminaire
2752 lm

3000K

L: 2400 mm

Dali
- 05.4515.40.DA
- 05.4515.14.DA
- 05.4515.ER.DA
- 05.4515.ES.DA

Casambi
- 05.4515.40.CB
- 05.4515.14.CB
- 05.4515.ER.CB
- 05.4515.ES.CB

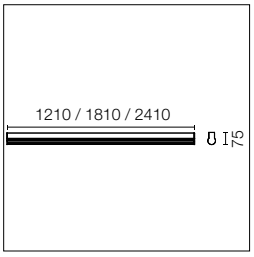


Luminous flux luminaire
3670 lm

NEW

The Glowing Track 360 Surface Integrated Driver

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850° | IP 20 | LED INCL | 1 - 100%

360°-Oberflächen-Ambientebeleuchtungssystem mit gleichmäßiger Lichtverteilung. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber enthalten.

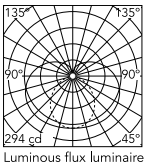
360° surface ambient lighting system that provides uniform light distribution. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver included.

2200K

L: 1200 mm

Dali
- 05.4660.40.DA
- 05.4660.14.DA
- 05.4660.ER.DA
- 05.4660.ES.DA

Casambi
- 05.4660.40.CB
- 05.4660.14.CB
- 05.4660.ER.CB
- 05.4660.ES.CB

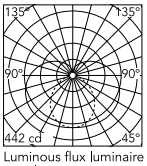


Luminous flux luminaire
1768 lm

L: 1800 mm

Dali
- 05.4662.40.DA
- 05.4662.14.DA
- 05.4662.ER.DA
- 05.4662.ES.DA

Casambi
- 05.4662.40.CB
- 05.4662.14.CB
- 05.4662.ER.CB
- 05.4662.ES.CB

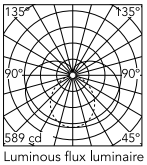


Luminous flux luminaire
2652 lm

L: 2400 mm

Dali
- 05.4664.40.DA
- 05.4664.14.DA
- 05.4664.ER.DA
- 05.4664.ES.DA

Casambi
- 05.4664.40.CB
- 05.4664.14.CB
- 05.4664.ER.CB
- 05.4664.ES.CB



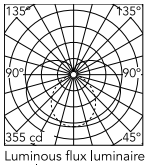
Luminous flux luminaire
3536 lm

3000K

L: 1200 mm

Dali
- 05.4561.40.DA
- 05.4561.14.DA
- 05.4561.ER.DA
- 05.4561.ES.DA

Casambi
- 05.4561.40.CB
- 05.4561.14.CB
- 05.4561.ER.CB
- 05.4561.ES.CB

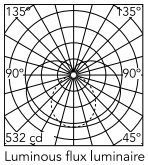


Luminous flux luminaire
2130 lm

L: 1800 mm

Dali
- 05.4563.40.DA
- 05.4563.14.DA
- 05.4563.ER.DA
- 05.4563.ES.DA

Casambi
- 05.4563.40.CB
- 05.4563.14.CB
- 05.4563.ER.CB
- 05.4563.ES.CB



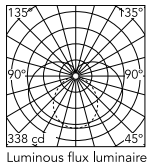
Luminous flux luminaire
3195 lm

2700K

L: 1200 mm

Dali
- 05.4560.40.DA
- 05.4560.14.DA
- 05.4560.ER.DA
- 05.4560.ES.DA

Casambi
- 05.4560.40.CB
- 05.4560.14.CB
- 05.4560.ER.CB
- 05.4560.ES.CB

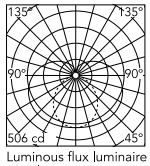


Luminous flux luminaire
2026 lm

L: 1800 mm

Dali
- 05.4562.40.DA
- 05.4562.14.DA
- 05.4562.ER.DA
- 05.4562.ES.DA

Casambi
- 05.4562.40.CB
- 05.4562.14.CB
- 05.4562.ER.CB
- 05.4562.ES.CB

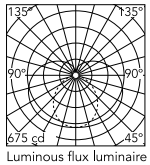


Luminous flux luminaire
3040 lm

L: 2400 mm

Dali
- 05.4564.40.DA
- 05.4564.14.DA
- 05.4564.ER.DA
- 05.4564.ES.DA

Casambi
- 05.4564.40.CB
- 05.4564.14.CB
- 05.4564.ER.CB
- 05.4564.ES.CB



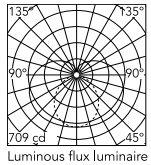
Luminous flux luminaire
4053 lm

3000K

L: 2400 mm

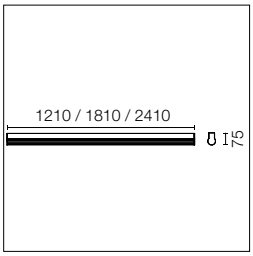
Dali
- 05.4565.40.DA
- 05.4565.14.DA
- 05.4565.ER.DA
- 05.4565.ES.DA

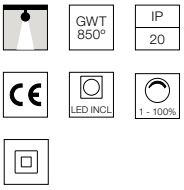
Casambi
- 05.4565.40.CB
- 05.4565.14.CB
- 05.4565.ER.CB
- 05.4565.ES.CB



Luminous flux luminaire
4260 lm

The Glowing Track Blind Surface Integrated Driver





Oberflächenmontierte, elektrifizierte Schiene, die für maximale Vielseitigkeit konzipiert ist und die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber enthalten.
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

Surface electrified track designed for maximum versatility, allowing the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver included.
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

L: 1200 mm

Dimmable

- 06.2666.40
- 06.2666.14
- 06.2666.ER
- 06.2666.ES

Non Dimmable

- 06.2667.40
- 06.2667.14
- 06.2667.ER
- 06.2667.ES

L: 1800 mm

Dimmable

- 06.2668.40
- 06.2668.14
- 06.2668.ER
- 06.2668.ES

Non Dimmable

- 06.2669.40
- 06.2669.14
- 06.2669.ER
- 06.2669.ES

L: 2400 mm

Dimmable

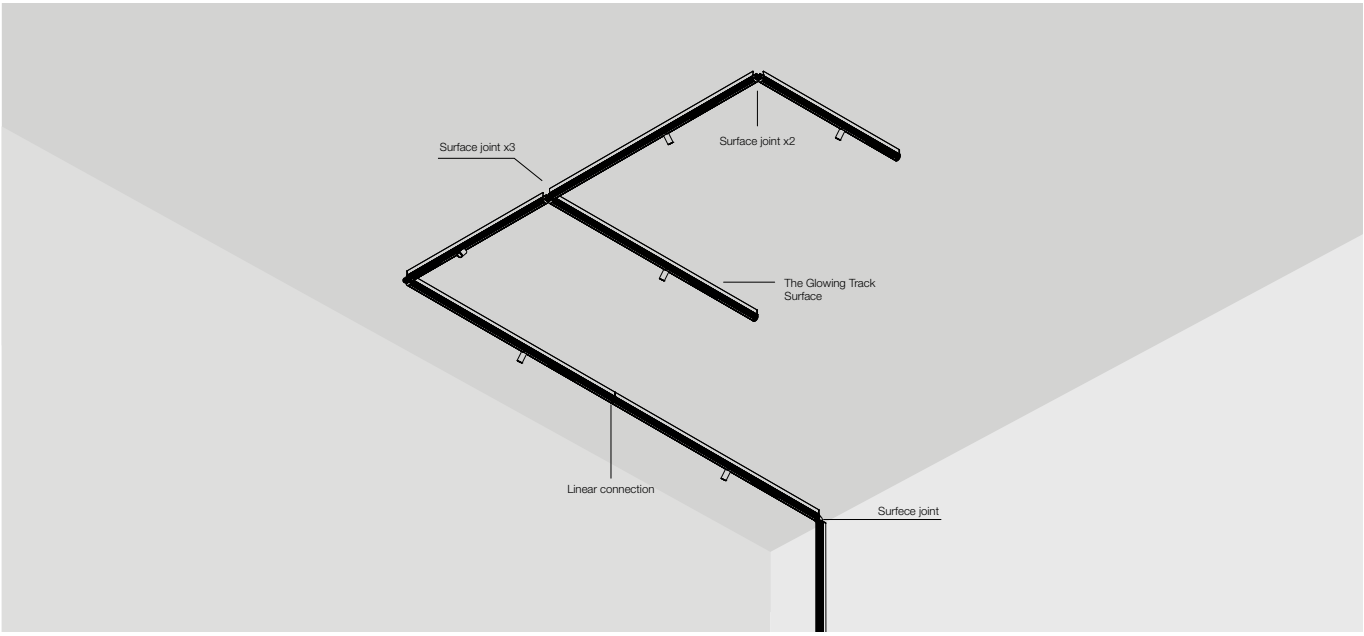
- 06.2670.40
- 06.2670.14
- 06.2670.ER
- 06.2670.ES

Non Dimmable

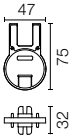
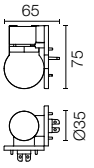
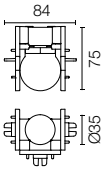
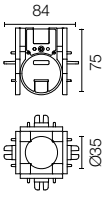
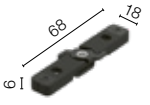
- 06.2671.40
- 06.2671.14
- 06.2671.ER
- 06.2671.ES

THE GLOWING TRACK — PROFILES

SURFACE INTEGRATED DRIVER INSTALLATION



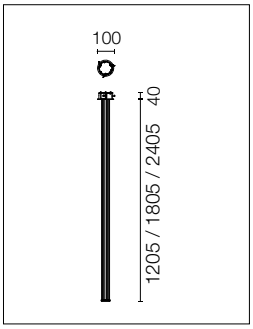
Zubehör / Accessories

Lineare Verbindung Lineare Verbindung zur Verbindung von Komponenten in einer geraden Linie.	**Linear Joint** Linear connection used to join components in a straight line.			08.1209.40 08.1209.14 08.1209.ER 08.1209.ES
Eckverbindung 2 90°-Eckverbinder zur Verbindung von Komponenten in horizontaler und vertikaler Ebene.	**Corner Joint 2** 90° corner connector used to join components in the horizontal and vertical plane.			08.1210.40 08.1210.14 08.1210.ER 08.1210.ES
Eckverbindung 3 Verbinder zur Verbindung von drei Komponenten im rechten Winkel.	**Corner Joint 3** Connector used to join three components at right angles			08.1211.40 08.1211.14 08.1211.ER 08.1211.ES
Eckverbindung 4 Verbinder zur Verbindung von vier Komponenten im rechten Winkel.	**Corner Joint 4** Connector used to join four components at right angles.			08.1212.40 08.1212.14 08.1212.ER 08.1212.ES
Aufputz-Halterungs-Kit.	Ceiling Fixing Kit			08.0615.00

Profile (mm)	Fixation points	Ceiling Kit to order
1200	3	2
1800	4	2
2400	4	2

The Glowing Track Vertical

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850°

IP 20

LED INCL

1 - 100%

Oberflächenbeleuchtungssystem mit vertikaler Ausrichtung, das eine Umgebungsbeleuchtung mit einer Schiene kombiniert, die die Installation einer breiten Palette von Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Verfügbar in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten.
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

Surface lighting system with a vertical orientation that combines ambient lighting with a track that allows the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included.
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

Empfohlene Netzgeräte / Recommended power supply*:

	120W
Non Dimmable 24V	60.7783

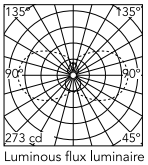
* Siehe Treiberkapitel / Refer to the Drivers chapter

2200K

L: 1200 mm

Dali
- 05.4630.40.DA
- 05.4630.14.DA
- 05.4630.ER.DA
- 05.4630.ES.DA

Casambi
- 05.4630.40.CB
- 05.4630.14.CB
- 05.4630.ER.CB
- 05.4630.ES.CB

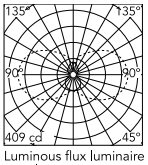


Luminous flux luminaire
1523 lm

L: 1800 mm

Dali
- 05.4632.40.DA
- 05.4632.14.DA
- 05.4632.ER.DA
- 05.4632.ES.DA

Casambi
- 05.4632.40.CB
- 05.4632.14.CB
- 05.4632.ER.CB
- 05.4632.ES.CB

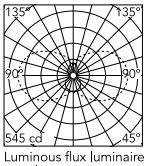


Luminous flux luminaire
2285 lm

L: 2400 mm

Dali
- 05.4634.40.DA
- 05.4634.14.DA
- 05.4634.ER.DA
- 05.4634.ES.DA

Casambi
- 05.4634.40.CB
- 05.4634.14.CB
- 05.4634.ER.CB
- 05.4634.ES.CB



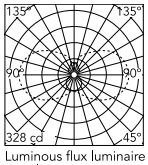
Luminous flux luminaire
3047 lm

3000K

L: 1200 mm

Dali
- 05.4531.40.DA
- 05.4531.14.DA
- 05.4531.ER.DA
- 05.4531.ES.DA

Casambi
- 05.4531.40.CB
- 05.4531.14.CB
- 05.4531.ER.CB
- 05.4531.ES.CB

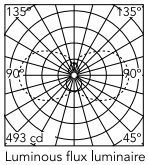


Luminous flux luminaire
1834 lm

L: 1800 mm

Dali
- 05.4533.40.DA
- 05.4533.14.DA
- 05.4533.ER.DA
- 05.4533.ES.DA

Casambi
- 05.4533.40.CB
- 05.4533.14.CB
- 05.4533.ER.CB
- 05.4533.ES.CB



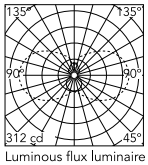
Luminous flux luminaire
2752 lm

2700K

L: 1200 mm

Dali
- 05.4530.40.DA
- 05.4530.14.DA
- 05.4530.ER.DA
- 05.4530.ES.DA

Casambi
- 05.4530.40.CB
- 05.4530.14.CB
- 05.4530.ER.CB
- 05.4530.ES.CB

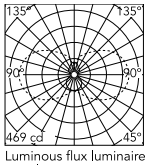


Luminous flux luminaire
1746 lm

L: 1800 mm

Dali
- 05.4532.40.DA
- 05.4532.14.DA
- 05.4532.ER.DA
- 05.4532.ES.DA

Casambi
- 05.4532.40.CB
- 05.4532.14.CB
- 05.4532.ER.CB
- 05.4532.ES.CB

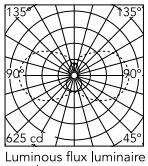


Luminous flux luminaire
2619 lm

L: 2400 mm

Dali
- 05.4534.40.DA
- 05.4534.14.DA
- 05.4534.ER.DA
- 05.4534.ES.DA

Casambi
- 05.4534.40.CB
- 05.4534.14.CB
- 05.4534.ER.CB
- 05.4534.ES.CB



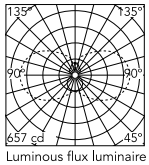
Luminous flux luminaire
3492 lm

3000K

L: 2400 mm

Dali
- 05.4535.40.DA
- 05.4535.14.DA
- 05.4535.ER.DA
- 05.4535.ES.DA

Casambi
- 05.4535.40.CB
- 05.4535.14.CB
- 05.4535.ER.CB
- 05.4535.ES.CB

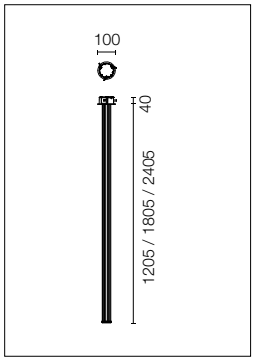


Luminous flux luminaire
3670 lm

NEW

The Glowing Track 360 Vertical

Top LED - L: 1200 mm - 24,8W - 2464 lm - 2200K/CRI 90 / 2824 lm - 2700K/CRI 90 / 2968 lm - 3000K/CRI 90
L: 1800 mm - 37,2W - 3696 lm - 2200K/CRI 90 / 4236 lm - 2700K/CRI 90 / 4452 lm - 3000K/CRI 90
L: 2400 mm - 49,6W - 4928 lm - 2200K/CRI 90 / 5648 lm - 2700K/CRI 90 / 5936 lm - 3000K/CRI 90



GWT 850° | IP 20 | LED INCL | 1 - 100%

360°-Oberflächen-Ambientebeleuchtungssystem mit vertikaler Ausrichtung und gleichmäßiger Lichtverteilung. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber nicht enthalten.

360° surface ambient lighting system with a vertical orientation that provides uniform light distribution. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver not included.

Empfohlene Netzgeräte / Recommended power supply*:

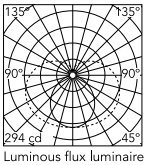
	60W
Non Dimmable 24V	60.9427A

* Siehe Treiberkapitel / Refer to the Drivers chapter

2200K

L: 1200 mm
Dali
- 05.4680.40.DA
- 05.4680.14.DA
- 05.4680.ER.DA
- 05.4680.ES.DA

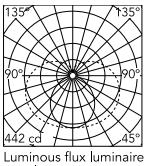
Casambi
- 05.4680.40.CB
- 05.4680.14.CB
- 05.4680.ER.CB
- 05.4680.ES.CB



Luminous flux luminaire
1768 lm

L: 1800 mm
Dali
- 05.4682.40.DA
- 05.4682.14.DA
- 05.4682.ER.DA
- 05.4682.ES.DA

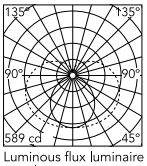
Casambi
- 05.4682.40.CB
- 05.4682.14.CB
- 05.4682.ER.CB
- 05.4682.ES.CB



Luminous flux luminaire
2652 lm

L: 2400 mm
Dali
- 05.4684.40.DA
- 05.4684.14.DA
- 05.4684.ER.DA
- 05.4684.ES.DA

Casambi
- 05.4684.40.CB
- 05.4684.14.CB
- 05.4684.ER.CB
- 05.4684.ES.CB

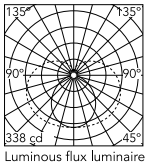


Luminous flux luminaire
3536 lm

2700K

L: 1200 mm
Dali
- 05.4580.40.DA
- 05.4580.14.DA
- 05.4580.ER.DA
- 05.4580.ES.DA

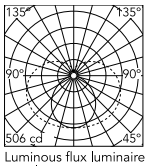
Casambi
- 05.4580.40.CB
- 05.4580.14.CB
- 05.4580.ER.CB
- 05.4580.ES.CB



Luminous flux luminaire
2026 lm

L: 1800 mm
Dali
- 05.4582.40.DA
- 05.4582.14.DA
- 05.4582.ER.DA
- 05.4582.ES.DA

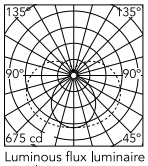
Casambi
- 05.4582.40.CB
- 05.4582.14.CB
- 05.4582.ER.CB
- 05.4582.ES.CB



Luminous flux luminaire
3040 lm

L: 2400 mm
Dali
- 05.4584.40.DA
- 05.4584.14.DA
- 05.4584.ER.DA
- 05.4584.ES.DA

Casambi
- 05.4584.40.CB
- 05.4584.14.CB
- 05.4584.ER.CB
- 05.4584.ES.CB

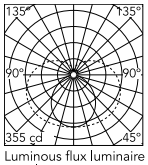


Luminous flux luminaire
4053 lm

3000K

L: 1200 mm
Dali
- 05.4581.40.DA
- 05.4581.14.DA
- 05.4581.ER.DA
- 05.4581.ES.DA

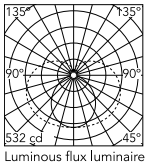
Casambi
- 05.4581.40.CB
- 05.4581.14.CB
- 05.4581.ER.CB
- 05.4581.ES.CB



Luminous flux luminaire
2130 lm

L: 1800 mm
Dali
- 05.4583.40.DA
- 05.4583.14.DA
- 05.4583.ER.DA
- 05.4583.ES.DA

Casambi
- 05.4583.40.CB
- 05.4583.14.CB
- 05.4583.ER.CB
- 05.4583.ES.CB

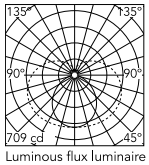


Luminous flux luminaire
3195 lm

3000K

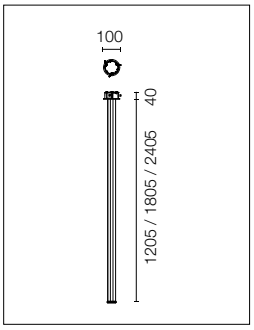
L: 2400 mm
Dali
- 05.4585.40.DA
- 05.4585.14.DA
- 05.4585.ER.DA
- 05.4585.ES.DA

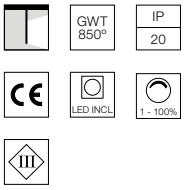
Casambi
- 05.4585.40.CB
- 05.4585.14.CB
- 05.4585.ER.CB
- 05.4585.ES.CB



Luminous flux luminaire
4260 lm

The Glowing Track Blind Vertical





Oberflächenmontierte, elektrifizierte Schiene, die für maximale Vielseitigkeit konzipiert ist und die Installation einer breiten Auswahl an Projektoren und Akzentbeleuchtungsmodulen ermöglicht. Erhältlich in drei Längen (1200 mm, 1800 mm und 2400 mm). Treiber enthalten.
Verfügbare Leistung auf der Schiene:
1200mm / 1800mm: 79W
2400mm: 70W

Surface electrified track designed for maximum versatility, allowing the installation of a wide range of projectors and accent lighting modules. Available in three lengths (1200 mm, 1800 mm, and 2400 mm). Driver included.
Available power on the track:
1200mm / 1800mm: 79W
2400mm: 70W

Empfohlene Netzgeräte / Recommended power supply*:

	60W	120W
Non Dimmable 24V	60.9427A	60.7783

* Siehe Treiberkapitel / Refer to the Drivers chapter

L: 1200 mm

Dimmable
- 06.2678.40
- 06.2678.14
- 06.2678.ER
- 06.2678.ES

Non Dimmable
- 06.2679.40
- 06.2679.14
- 06.2679.ER
- 06.2679.ES

L: 1800 mm

Dimmable
- 06.2680.40
- 06.2680.14
- 06.2680.ER
- 06.2680.ES

Non Dimmable
- 06.2681.40
- 06.2681.14
- 06.2681.ER
- 06.2681.ES

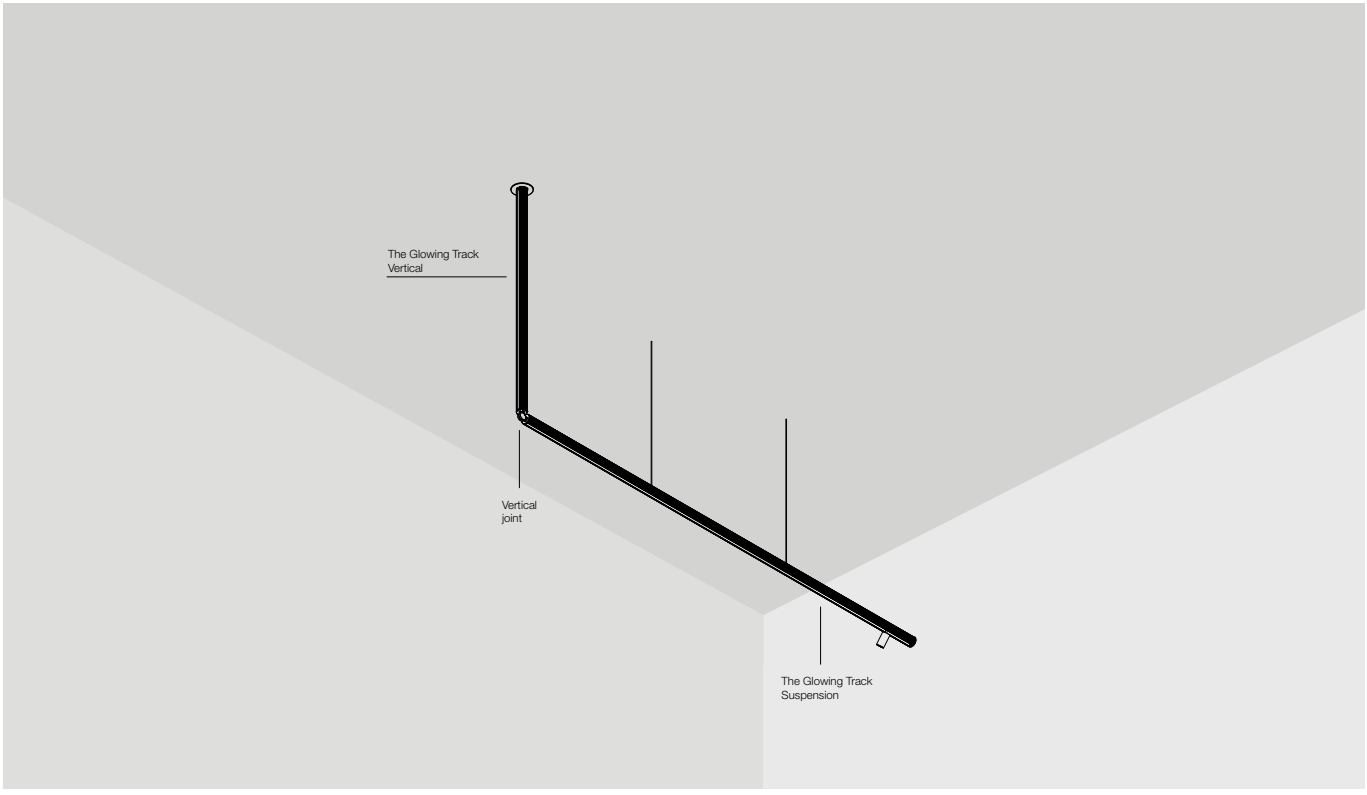
L: 2400 mm

Dimmable
- 06.2682.40
- 06.2682.14
- 06.2682.ER
- 06.2682.ES

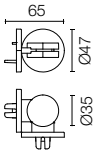
Non Dimmable
- 06.2683.40
- 06.2683.14
- 06.2683.ER
- 06.2683.ES

THE GLOWING TRACK — PROFILES

VERTICAL INSTALLATION

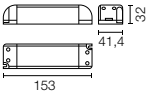
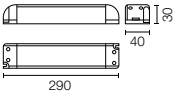


Zubehör / Accessory

Eckverbindung 2 90°-Eckverbinder zur Verbindung von Komponenten in horizontaler und vertikaler Ebene.	**Corner Joint 2** 90° corner connector used to join components in the horizontal and vertical plane.			08.1206.40 08.1206.14 08.1206.ER 08.1206.ES

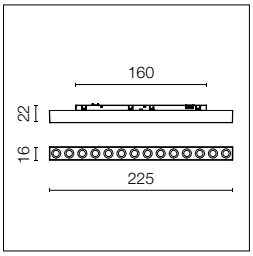
Treiber / Drivers

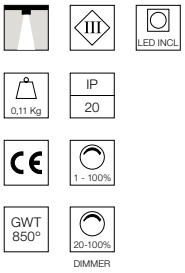
Remote Installation

Konstantspannungsversorgung 24V-60W. Nicht dimmbar.	Constant voltage power supply 24V-60W No Dim			60.9427A
Konstantspannungsversorgung 24V-120W. Nicht dimmbar.	Constant voltage power supply 24V-120W No Dim			60.7783

Multi Spot Mini

Power LED 7W - 635 lm - 2700K/CRI 90 / 7W - 650 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit 14 Scheinwerfern und geringer Blendung für den Einbau in das System The Glowing Track.

LED lighting module with 14 spotlights and low glare, to be installed in The Glowing Track System.

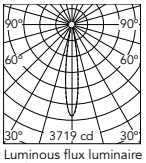
Optic Spot - 2700K

Non Dimmable

05.3560.40
05.3560.14
05.3560.ER
05.3560.ES

Dali 2

05.3560.40.DA
05.3560.14.DA
05.3560.ER.DA
05.3560.ES.DA



Luminous flux luminaire
398 lm (EXTREME CUT OFF)

Beam Angle:	15°
h(m) E(lx)	D(m)
1 3719	0.27
2 930	0.54
3 413	0.81
4 232	1.08
5 149	1.35

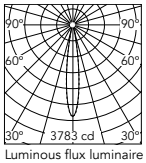
Optic Spot - 3000K

Non Dimmable

05.3561.40
05.3561.14
05.3561.ER
05.3561.ES

Dali 2

05.3561.40.DA
05.3561.14.DA
05.3561.ER.DA
05.3561.ES.DA



Luminous flux luminaire
405 lm (EXTREME CUT OFF)

Beam Angle:	15°
h(m) E(lx)	D(m)
1 3783	0.27
2 946	0.54
3 420	0.81
4 236	1.08
5 151	1.35

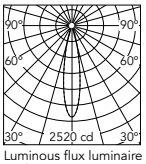
Optic Medium - 2700K

Non Dimmable

05.3562.40
05.3562.14
05.3562.ER
05.3562.ES

Dali 2

05.3562.40.DA
05.3562.14.DA
05.3562.ER.DA
05.3562.ES.DA



Luminous flux luminaire
424 lm (EXTREME CUT OFF)

Beam Angle:	20°
h(m) E(lx)	D(m)
1 2520	0.36
2 630	0.72
3 280	1.08
4 158	1.44
5 101	1.80

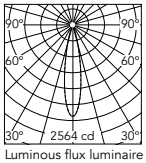
Optic Medium - 3000K

Non Dimmable

05.3563.40
05.3563.14
05.3563.ER
05.3563.ES

Dali 2

05.3563.40.DA
05.3563.14.DA
05.3563.ER.DA
05.3563.ES.DA



Luminous flux luminaire
431 lm (EXTREME CUT OFF)

Beam Angle:	20°
h(m) E(lx)	D(m)
1 2564	0.36
2 641	0.72
3 285	1.08
4 160	1.44
5 103	1.80

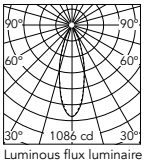
Optic Flood - 2700K

Non Dimmable

05.3564.40
05.3564.14
05.3564.ER
05.3564.ES

Dali 2

05.3564.40.DA
05.3564.14.DA
05.3564.ER.DA
05.3564.ES.DA



Luminous flux luminaire
391 lm (EXTREME CUT OFF)

Beam Angle:	32°
h(m) E(lx)	D(m)
1 1086	0.58
2 271	1.15
3 121	1.73
4 68	2.30
5 43	2.88

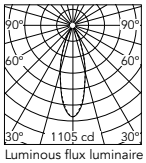
Optic Flood - 3000K

Non Dimmable

05.3565.40
05.3565.14
05.3565.ER
05.3565.ES

Dali 2

05.3565.40.DA
05.3565.14.DA
05.3565.ER.DA
05.3565.ES.DA



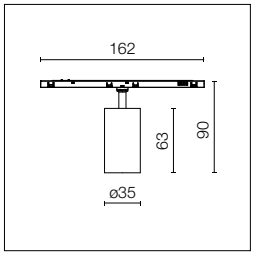
Luminous flux luminaire
397 lm (EXTREME CUT OFF)

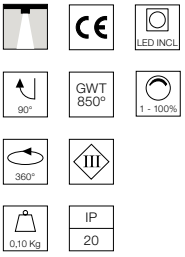
Beam Angle:	32°
h(m) E(lx)	D(m)
1 1105	0.58
2 276	1.15
3 123	1.73
4 69	2.30
5 44	2.88

NEW

Light Shadow Spot 30

Power LED 4,7W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll.

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol.

Optic Spot - 2700K

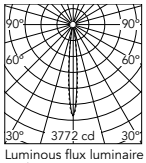
Non Dimmable

- 05.5170.40
- 05.5170.14
- 05.5170.ER
- 05.5170.ES

Dali

- 05.5170.40.DA
- 05.5170.14.DA
- 05.5170.ER.DA
- 05.5170.ES.DA

10° SPOT



Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

Optic Spot - 3000K

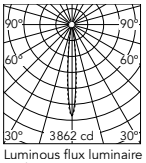
Non Dimmable

- 05.5175.40
- 05.5175.14
- 05.5175.ER
- 05.5175.ES

Dali

- 05.5175.40.DA
- 05.5175.14.DA
- 05.5175.ER.DA
- 05.5175.ES.DA

10° SPOT



Luminous flux luminaire 214 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

Optic Medium - 2700K

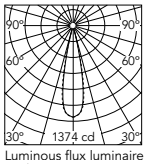
Non Dimmable

- 05.5171.40
- 05.5171.14
- 05.5171.ER
- 05.5171.ES

Dali

- 05.5171.40.DA
- 05.5171.14.DA
- 05.5171.ER.DA
- 05.5171.ES.DA

22° MEDIUM



Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

Optic Medium - 3000K

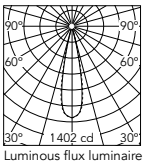
Non Dimmable

- 05.5176.40
- 05.5176.14
- 05.5176.ER
- 05.5176.ES

Dali

- 05.5176.40.DA
- 05.5176.14.DA
- 05.5176.ER.DA
- 05.5176.ES.DA

22° MEDIUM



Luminous flux luminaire 205 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

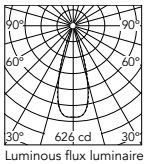
Non Dimmable

- 05.5172.40
- 05.5172.14
- 05.5172.ER
- 05.5172.ES

Dali

- 05.5172.40.DA
- 05.5172.14.DA
- 05.5172.ER.DA
- 05.5172.ES.DA

33° FLOOD



Luminous flux luminaire 200 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Optic Flood - 3000K

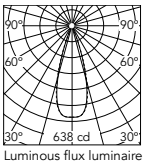
Non Dimmable

- 05.5177.40
- 05.5177.14
- 05.5177.ER
- 05.5177.ES

Dali

- 05.5177.40.DA
- 05.5177.14.DA
- 05.5177.ER.DA
- 05.5177.ES.DA

33° FLOOD



Luminous flux luminaire 204 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Optic Wide Flood - 2700K

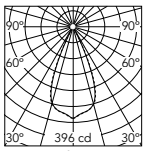
Non Dimmable

- 05.5173.40
- 05.5173.14
- 05.5173.ER
- 05.5173.ES

Dali

- 05.5173.40.DA
- 05.5173.14.DA
- 05.5173.ER.DA
- 05.5173.ES.DA

46° WIDE FLOOD



Luminous flux luminaire 209 lm

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Optic Wide Flood - 3000K

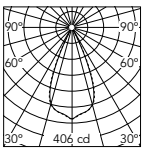
Non Dimmable

- 05.5178.40
- 05.5178.14
- 05.5178.ER
- 05.5178.ES

Dali

- 05.5178.40.DA
- 05.5178.14.DA
- 05.5178.ER.DA
- 05.5178.ES.DA

46° WIDE FLOOD



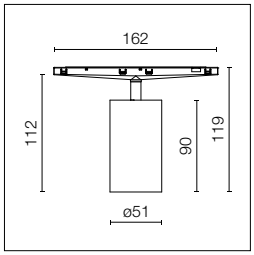
Luminous flux luminaire 214 lm

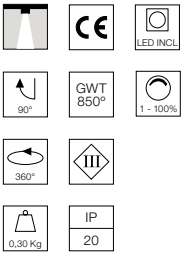
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

Light Shadow Spot 45

LED Array 11W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll.

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol.

Optic Spot - 2700K

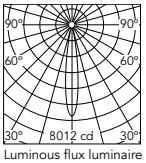
Non Dimmable

05.5180.40
05.5180.14
05.5180.ER
05.5180.ES

Dali

05.5180.40.DA
05.5180.14.DA
05.5180.ER.DA
05.5180.ES.DA

15° SPOT



Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Spot - 3000K

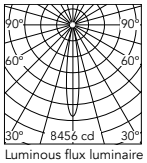
Non Dimmable

05.5185.40
05.5185.14
05.5185.ER
05.5185.ES

Dali

05.5185.40.DA
05.5185.14.DA
05.5185.ER.DA
05.5185.ES.DA

15° SPOT



Luminous flux luminaire 686 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

Optic Medium - 2700K

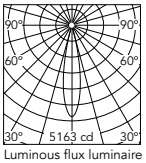
Non Dimmable

05.5181.40
05.5181.14
05.5181.ER
05.5181.ES

Dali

05.5181.40.DA
05.5181.14.DA
05.5181.ER.DA
05.5181.ES.DA

21° MEDIUM



Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

Optic Medium - 3000K

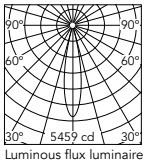
Non Dimmable

05.5186.40
05.5186.14
05.5186.ER
05.5186.ES

Dali

05.5186.40.DA
05.5186.14.DA
05.5186.ER.DA
05.5186.ES.DA

21° MEDIUM



Luminous flux luminaire 682 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

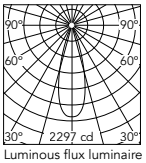
Non Dimmable

05.5182.40
05.5182.14
05.5182.ER
05.5182.ES

Dali

05.5182.40.DA
05.5182.14.DA
05.5182.ER.DA
05.5182.ES.DA

31° FLOOD



Luminous flux luminaire 646 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

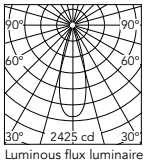
Non Dimmable

05.5187.40
05.5187.14
05.5187.ER
05.5187.ES

Dali

05.5187.40.DA
05.5187.14.DA
05.5187.ER.DA
05.5187.ES.DA

31° FLOOD



Luminous flux luminaire 682 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

NEW

Zubehör / Accessories

Light Shadow Spot 30

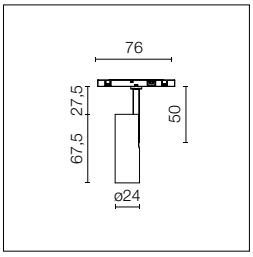
Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

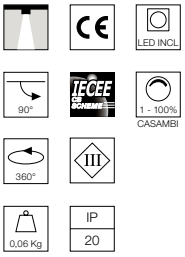
Light Shadow Spot 45

Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

Find Me 0 by Jorge Herrera

Power LED 3,5W - 276 lm - 2700K/CRI 90 / 302 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

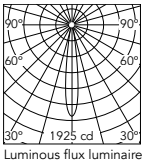
Optic Spot - 2700K

Non Dimmable

05.5100.40
05.5100.14
05.5100.ER
05.5100.ES

Casambi

05.5100.40.CB
05.5100.14.CB
05.5100.ER.CB
05.5100.ES.CB



Luminous flux luminaire
169 lm

Beam Angle:	15°
h(m) E(lx)	D(m)
1 1925	0.26
2 481	0.52
3 214	0.77
4 120	1.03
5 77	1.29

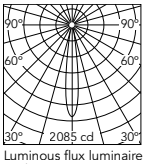
Optic Spot - 3000K

Non Dimmable

05.5105.40
05.5105.14
05.5105.ER
05.5105.ES

Casambi

05.5105.40.CB
05.5105.14.CB
05.5105.ER.CB
05.5105.ES.CB



Luminous flux luminaire
183 lm

Beam Angle:	15°
h(m) E(lx)	D(m)
1 2085	0.26
2 521	0.52
3 232	0.77
4 130	1.03
5 83	1.29

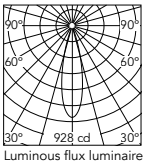
Optic Medium - 2700K

Non Dimmable

05.5101.40
05.5101.14
05.5101.ER
05.5101.ES

Casambi

05.5101.40.CB
05.5101.14.CB
05.5101.ER.CB
05.5101.ES.CB



Luminous flux luminaire
179 lm

Beam Angle:	25°
h(m) E(lx)	D(m)
1 928	0.45
2 232	0.89
3 103	1.34
4 58	1.79
5 37	2.23

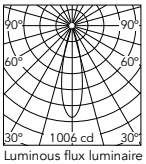
Optic Medium - 3000K

Non Dimmable

05.5106.40
05.5106.14
05.5106.ER
05.5106.ES

Casambi

05.5106.40.CB
05.5106.14.CB
05.5106.ER.CB
05.5106.ES.CB



Luminous flux luminaire
194 lm

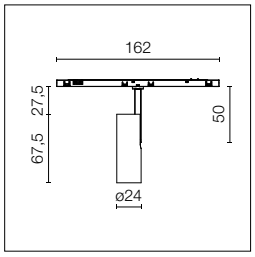
Beam Angle:	25°
h(m) E(lx)	D(m)
1 1006	0.45
2 251	0.89
3 112	1.34
4 63	1.79
5 40	2.23

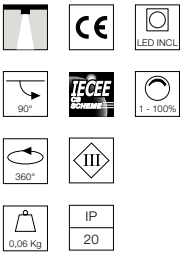
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 0 by Jorge Herrera

Power LED 3,5W - 276 lm - 2700K/CRI 90 / 302 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll. Inklusive Zubehör (Honeycomb und Abschirmhalterung).

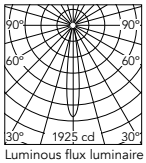
LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol. Accessories included (honeycomb grid and protection bar).

Optic Spot - 2700K

Dali

05.5100.40.DA
05.5100.14.DA
05.5100.ER.DA
05.5100.ES.DA

15° SPOT



Luminous flux luminaire
169 lm

Beam Angle: 15°

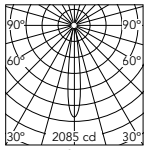
h(m)	E(lx)	D(m)
1	1925	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

Optic Spot - 3000K

Dali

05.5105.40.DA
05.5105.14.DA
05.5105.ER.DA
05.5105.ES.DA

15° SPOT



Luminous flux luminaire
183 lm

Beam Angle: 15°

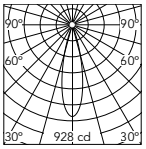
h(m)	E(lx)	D(m)
1	2085	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

Optic Medium - 2700K

Dali

05.5101.40.DA
05.5101.14.DA
05.5101.ER.DA
05.5101.ES.DA

25° MEDIUM



Luminous flux luminaire
179 lm

Beam Angle: 25°

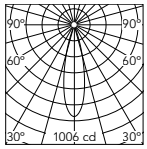
h(m)	E(lx)	D(m)
1	928	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

Optic Medium - 3000K

Dali

05.5106.40.DA
05.5106.14.DA
05.5106.ER.DA
05.5106.ES.DA

25° MEDIUM



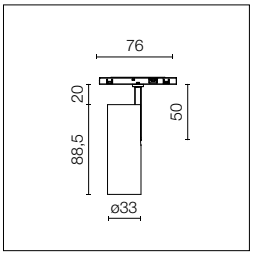
Luminous flux luminaire
194 lm

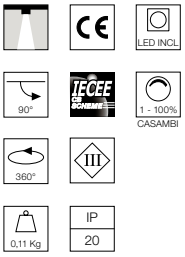
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1006	0.45
2	251	0.89
3	112	1.34
4	63	1.79
5	40	2.23

Find Me 1 by Jorge Herrera

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

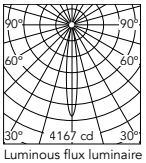
Optic Spot - 2700K

Non Dimmable

- 05.5110.40
- 05.5110.14
- 05.5110.ER
- 05.5110.ES

Casambi

- 05.5110.40.CB
- 05.5110.14.CB
- 05.5110.ER.CB
- 05.5110.ES.CB



Luminous flux luminaire
309 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

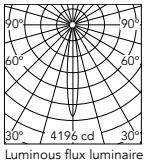
Optic Spot - 3000K

Non Dimmable

- 05.5115.40
- 05.5115.14
- 05.5115.ER
- 05.5115.ES

Casambi

- 05.5115.40.CB
- 05.5115.14.CB
- 05.5115.ER.CB
- 05.5115.ES.CB



Luminous flux luminaire
314 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

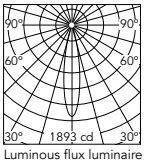
Optic Medium - 2700K

Non Dimmable

- 05.5111.40
- 05.5111.14
- 05.5111.ER
- 05.5111.ES

Casambi

- 05.5111.40.CB
- 05.5111.14.CB
- 05.5111.ER.CB
- 05.5111.ES.CB



Luminous flux luminaire
284 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

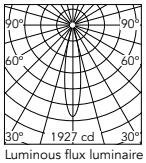
Optic Medium - 3000K

Non Dimmable

- 05.5116.40
- 05.5116.14
- 05.5116.ER
- 05.5116.ES

Casambi

- 05.5116.40.CB
- 05.5116.14.CB
- 05.5116.ER.CB
- 05.5116.ES.CB



Luminous flux luminaire
289 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	1927	0.35
2	482	0.70
3	214	1.06
4	120	1.41
5	77	1.76

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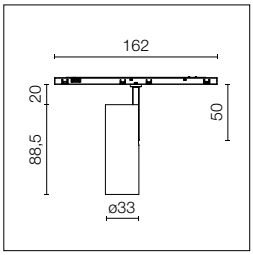
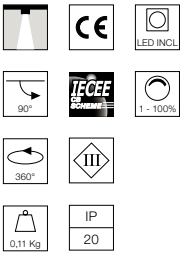
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 1 by Jorge Herrera

Power LED 5,5W - 450 lm - 2700K/CRI 90 / 485 lm - 3000K/CRI 90





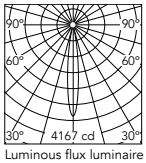
LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll. Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol. Accessories included (honeycomb grid and protection bar).

Optic Spot - 2700K

Dali

05.5110.40.DA
05.5110.14.DA
05.5110.ER.DA
05.5110.ES.DA



Luminous flux luminaire
309 lm

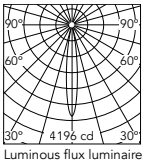
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

Optic Spot - 3000K

Dali

05.5115.40.DA
05.5115.14.DA
05.5115.ER.DA
05.5115.ES.DA



Luminous flux luminaire
314 lm

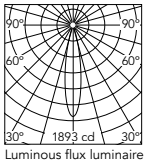
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

Optic Medium - 2700K

Dali

05.5111.40.DA
05.5111.14.DA
05.5111.ER.DA
05.5111.ES.DA



Luminous flux luminaire
284 lm

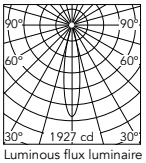
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

Optic Medium - 3000K

Dali

05.5116.40.DA
05.5116.14.DA
05.5116.ER.DA
05.5116.ES.DA



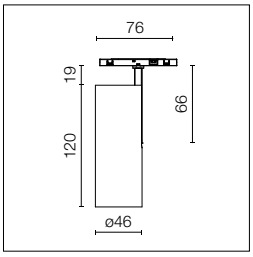
Luminous flux luminaire
289 lm

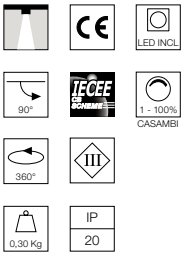
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1927	0.35
2	482	0.70
3	214	1.06
4	120	1.41
5	77	1.76

Find Me 2 by Jorge Herrera

Power LED 10,5W - 724 lm - 2700K/CRI90 / 781 lm - 3000K/CRI90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Inklusive Zubehör (Honeycomb und Abschirmhalterung).
Achtung: Nicht für vertikale Installation geeignet.

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).
Warning: Not suitable for vertical installation.

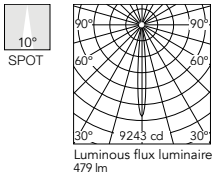
Optic Spot - 2700K

Non Dimmable

05.5120.40
05.5120.14
05.5120.ER
05.5120.ES

Casambi

05.5120.40.CB
05.5120.14.CB
05.5120.ER.CB
05.5120.ES.CB



Luminous flux luminaire
479 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 9243	0.18
2 2311	0.35
3 1027	0.53
4 578	0.70
5 370	0.88

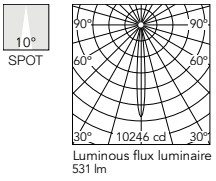
Optic Spot - 3000K

Non Dimmable

05.5125.40
05.5125.14
05.5125.ER
05.5125.ES

Casambi

05.5125.40.CB
05.5125.14.CB
05.5125.ER.CB
05.5125.ES.CB



Luminous flux luminaire
531 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 10246	0.18
2 2562	0.35
3 1138	0.53
4 640	0.70
5 410	0.88

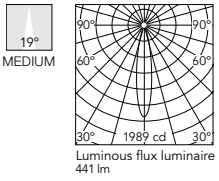
Optic Medium - 2700K

Non Dimmable

05.5121.40
05.5121.14
05.5121.ER
05.5121.ES

Casambi

05.5121.40.CB
05.5121.14.CB
05.5121.ER.CB
05.5121.ES.CB



Luminous flux luminaire
441 lm

Beam Angle:	19°
h(m) E(lx)	D(m)
1 1989	0.34
2 497	0.67
3 221	1.01
4 124	1.34
5 80	1.68

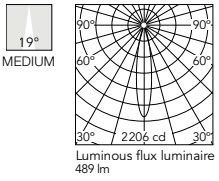
Optic Medium - 3000K

Non Dimmable

05.5126.40
05.5126.14
05.5126.ER
05.5126.ES

Casambi

05.5126.40.CB
05.5126.14.CB
05.5126.ER.CB
05.5126.ES.CB



Luminous flux luminaire
489 lm

Beam Angle:	19°
h(m) E(lx)	D(m)
1 2206	0.34
2 551	0.67
3 245	1.01
4 138	1.34
5 88	1.68

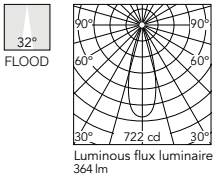
Optic Flood - 2700K

Non Dimmable

05.5122.40
05.5122.14
05.5122.ER
05.5122.ES

Casambi

05.5122.40.CB
05.5122.14.CB
05.5122.ER.CB
05.5122.ES.CB



Luminous flux luminaire
364 lm

Beam Angle:	32°
h(m) E(lx)	D(m)
1 722	0.57
2 180	1.15
3 80	1.72
4 45	2.29
5 29	2.87

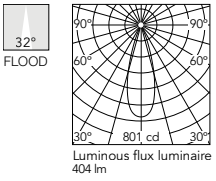
Optic Flood - 3000K

Non Dimmable

05.5127.40
05.5127.14
05.5127.ER
05.5127.ES

Casambi

05.5127.40.CB
05.5127.14.CB
05.5127.ER.CB
05.5127.ES.CB



Luminous flux luminaire
404 lm

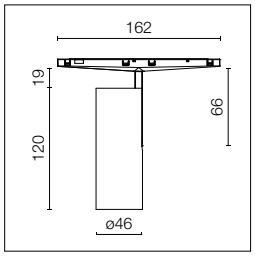
Beam Angle:	32°
h(m) E(lx)	D(m)
1 801	0.57
2 200	1.15
3 89	1.72
4 50	2.29
5 32	2.87

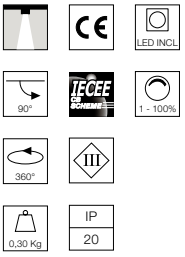
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 2 by Jorge Herrera

Power LED 10,5W - 724 lm - 2700K/CRI90 / 781 lm - 3000K/CRI90





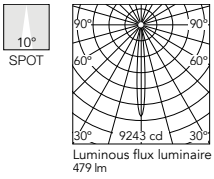
LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll. Inklusive Zubehör (Honeycomb und Abschirmhalterung).
Achtung: Nicht für vertikale Installation geeignet.

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol. Accessories included (honeycomb grid and protection bar).
Warning: Not suitable for vertical installation.

Optic Spot - 2700K

Dali

05.5120.40.DA
05.5120.14.DA
05.5120.ER.DA
05.5120.ES.DA



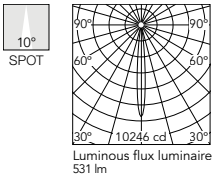
Luminous flux luminaire
479 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 9243	0.18
2 2311	0.35
3 1027	0.53
4 578	0.70
5 370	0.88

Optic Spot - 3000K

Dali

05.5125.40.DA
05.5125.14.DA
05.5125.ER.DA
05.5125.ES.DA



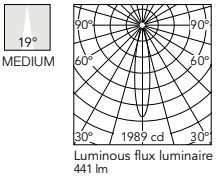
Luminous flux luminaire
531 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 10246	0.18
2 2562	0.35
3 1138	0.53
4 640	0.70
5 410	0.88

Optic Medium - 2700K

Dali

05.5121.40.DA
05.5121.14.DA
05.5121.ER.DA
05.5121.ES.DA



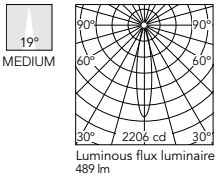
Luminous flux luminaire
441 lm

Beam Angle:	19°
h(m) E(lx)	D(m)
1 1989	0.34
2 497	0.67
3 221	1.01
4 124	1.34
5 80	1.68

Optic Medium - 3000K

Dali

05.5126.40.DA
05.5126.14.DA
05.5126.ER.DA
05.5126.ES.DA



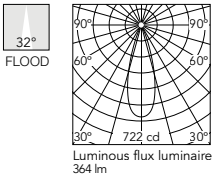
Luminous flux luminaire
489 lm

Beam Angle:	19°
h(m) E(lx)	D(m)
1 2206	0.34
2 551	0.67
3 245	1.01
4 138	1.34
5 88	1.68

Optic Flood - 2700K

Dali

05.5122.40.DA
05.5122.14.DA
05.5122.ER.DA
05.5122.ES.DA



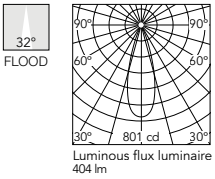
Luminous flux luminaire
364 lm

Beam Angle:	32°
h(m) E(lx)	D(m)
1 722	0.57
2 180	1.15
3 80	1.72
4 45	2.29
5 29	2.87

Optic Flood - 3000K

Dali

05.5127.40.DA
05.5127.14.DA
05.5127.ER.DA
05.5127.ES.DA

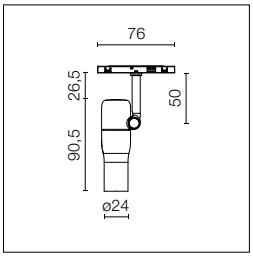


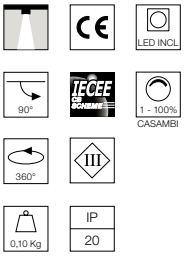
Luminous flux luminaire
404 lm

Beam Angle:	32°
h(m) E(lx)	D(m)
1 801	0.57
2 200	1.15
3 89	1.72
4 50	2.29
5 32	2.87

Atom 90 by Piero Lissoni

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play).

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

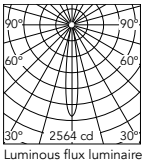
Optic Spot - 2700K

Non Dimmable

- 05.5140.40
- 05.5140.14
- 05.5140.ER
- 05.5140.ES

Casambi

- 05.5140.40.CB
- 05.5140.14.CB
- 05.5140.ER.CB
- 05.5140.ES.CB



Luminous flux luminaire
224 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

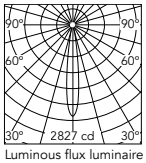
Optic Spot - 3000K

Non Dimmable

- 05.5145.40
- 05.5145.14
- 05.5145.ER
- 05.5145.ES

Casambi

- 05.5145.40.CB
- 05.5145.14.CB
- 05.5145.ER.CB
- 05.5145.ES.CB



Luminous flux luminaire
247 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

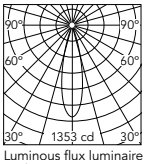
Optic Medium - 2700K

Non Dimmable

- 05.5141.40
- 05.5141.14
- 05.5141.ER
- 05.5141.ES

Casambi

- 05.5141.40.CB
- 05.5141.14.CB
- 05.5141.ER.CB
- 05.5141.ES.CB



Luminous flux luminaire
261 lm

Beam Angle:		25°
h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

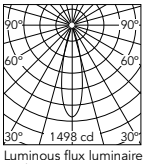
Optic Medium - 3000K

Non Dimmable

- 05.5146.40
- 05.5146.14
- 05.5146.ER
- 05.5146.ES

Casambi

- 05.5146.40.CB
- 05.5146.14.CB
- 05.5146.ER.CB
- 05.5146.ES.CB



Luminous flux luminaire
289 lm

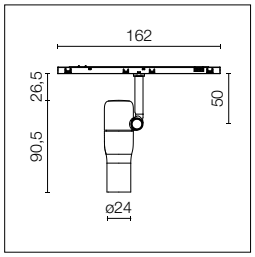
Beam Angle:		25°
h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

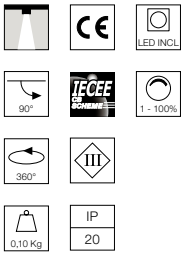
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Atom 90 by Piero Lissoni

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





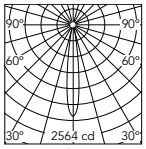
LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll.

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol.

Optic Spot - 2700K

Dali

05.5140.40.DA
05.5140.14.DA
05.5140.ER.DA
05.5140.ES.DA



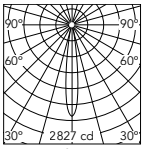
Luminous flux luminaire
224 lm

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

Optic Spot - 3000K

Dali

05.5145.40.DA
05.5145.14.DA
05.5145.ER.DA
05.5145.ES.DA



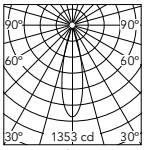
Luminous flux luminaire
247 lm

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

Optic Medium - 2700K

Dali

05.5141.40.DA
05.5141.14.DA
05.5141.ER.DA
05.5141.ES.DA



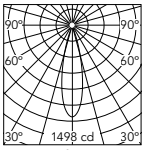
Luminous flux luminaire
261 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

Optic Medium - 3000K

Dali

05.5146.40.DA
05.5146.14.DA
05.5146.ER.DA
05.5146.ES.DA

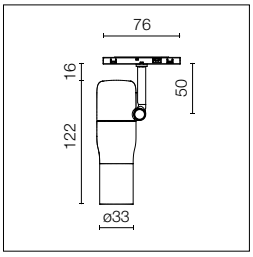


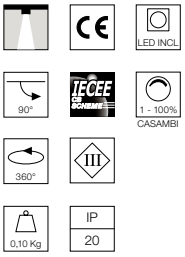
Luminous flux luminaire
289 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

Atom 120 by Piero Lissoni

Power LED 8W - 600 lm - 2700K/CRI 90 / 648 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play).

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

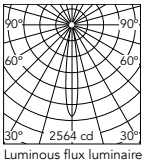
Optic Spot - 2700K

Non Dimmable

05.5150.40
05.5150.14
05.5150.ER
05.5150.ES

Casambi

05.5150.40.CB
05.5150.14.CB
05.5150.ER.CB
05.5150.ES.CB



Luminous flux luminaire
224 lm

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

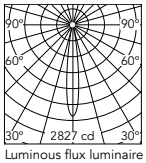
Optic Spot - 3000K

Non Dimmable

05.5155.40
05.5155.14
05.5155.ER
05.5155.ES

Casambi

05.5155.40.CB
05.5155.14.CB
05.5155.ER.CB
05.5155.ES.CB



Luminous flux luminaire
247 lm

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

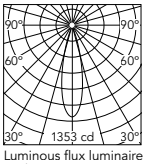
Optic Medium - 2700K

Non Dimmable

05.5151.40
05.5151.14
05.5151.ER
05.5151.ES

Casambi

05.5151.40.CB
05.5151.14.CB
05.5151.ER.CB
05.5151.ES.CB



Luminous flux luminaire
261 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

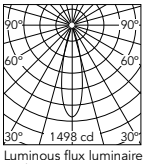
Optic Medium - 3000K

Non Dimmable

05.5156.40
05.5156.14
05.5156.ER
05.5156.ES

Casambi

05.5156.40.CB
05.5156.14.CB
05.5156.ER.CB
05.5156.ES.CB



Luminous flux luminaire
289 lm

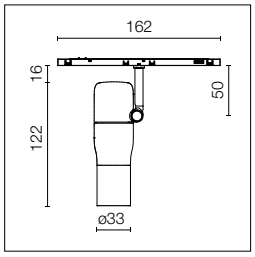
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

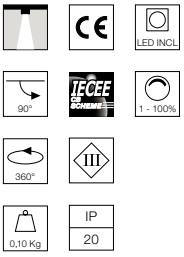
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Atom 120 by Piero Lissoni

Power LED 8W - 600 lm - 2700K/CRI 90 / 648 lm - 3000K/CRI 90





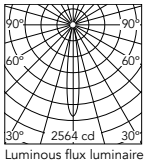
LED-Projektionsbeleuchtungsmodul, das in das System The Glowing Track eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll.

LED projection lighting module for installation in the The Glowing Track system. Electronic DC/DC converter incorporated. Individual control via DALI protocol.

Optic Spot - 2700K

Dali

05.5150.40.DA
05.5150.14.DA
05.5150.ER.DA
05.5150.ES.DA



Luminous flux luminaire
224 lm

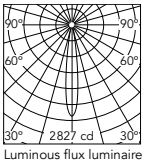
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

Optic Spot - 3000K

Dali

05.5155.40.DA
05.5155.14.DA
05.5155.ER.DA
05.5155.ES.DA



Luminous flux luminaire
247 lm

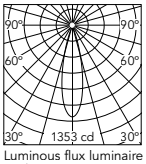
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

Optic Medium - 2700K

Dali

05.5151.40.DA
05.5151.14.DA
05.5151.ER.DA
05.5151.ES.DA



Luminous flux luminaire
261 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

Optic Medium - 3000K

Dali

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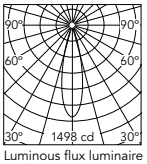
05.5156.ER.DA
05.5156.ES.DA



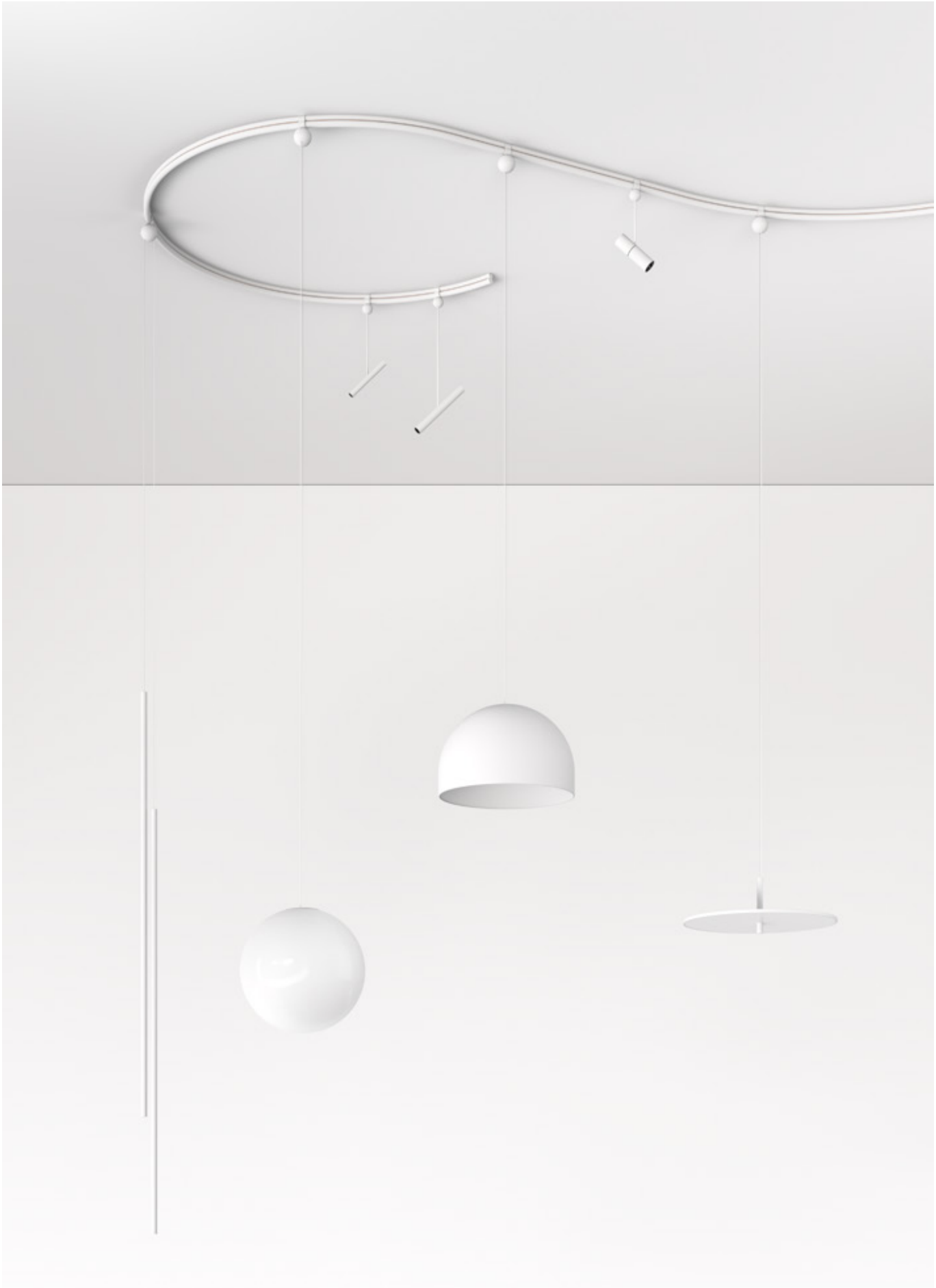
Luminous flux luminaire
289 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

MY CIRCUIT

DESIGNED BY MICHAEL ANASTASSIADES



Produktbeschreibung
Mit My Circuit entwickelte Michael Anastassiades die erste Struktur für die Innenbeleuchtung mit einem flexiblen Profil, die erlaubt, an der Decke durchgängige und vollkommen freie Lichtlinien zu konzipieren sowie gerade Formen mit Kurven mit unterschiedlichem Radius (von R 500 mm bis R 3000 mm) zu kombinieren.
In diesem Aufputz-System treffen Lichtmodule mit leistungskräftigen Flutern auf attraktive Design- Hängeleuchten.

Planung und Montage
Um eine Lichtlinie zu konzipieren, werden die Befestigungsmodule Stück für Stück ausgewählt und miteinander verbunden, bis eine Hauptachse entsteht, die an der Decke fixiert wird und die Form von My Circuit definiert.
Je nach Anzahl der gewünschten Leuchten, ihrer Position in der entworfenen Struktur und den Nutzeranforderungen werden an den erforderlichen Punkten der Linie diejenige Module hinzugefügt, die die Stromversorgung (48V) des Systems gewährleisten. Es gibt ein Netzteil mit Fernbedienung und ein weiteres Modul, bei dem sich das Netzteil in einem dekorativen Aufhängungskasten befindet. Diese Netzteile verfügen über ein eigenes Fixiersegment, das der Hauptachse (in der gewünschten Position oder an einem Ende) hinzugefügt wird.
Ist die Hauptachse an der Decke montiert, ist die Gesamtlänge der Lichtlinie definiert. Darauf wird das flexible Profil so montiert, dass es sich an die vorgegebene Linie anschmiegt und an der gewünschten Position an der Decke verankert ist. Die Hauptachse der gesamten Lichtlinie sowie die Netzadapter werden von diesem flexiblen Profil umschlossen und das Anfang und Ende der Linie sowie die Segmentverbindungen des flexiblen Profils (falls vorhanden) werden mit den entsprechenden Verkleidungskappen abgedeckt.
Und somit ist My Circuit erfolgreich montiert. Zum Abschluss werden die verschiedenen Leuchten und Lichtmodule mit den entsprechenden Adaptern in der Struktur installiert.

Lichtmodule
Die folgenden Lichtmodule sind verfügbar:
- MyCircuit Light Shadow Spot Ø30 / Ø45
- MyCircuit Spot Ø25 / Ø35

Ebenfalls erhältlich sind folgende dekorative Beleuchtungssysteme:
- MyCircuit Lines
- MyCircuit Disc
- MyCircuit Dome
- MyCircuit Sphere

Kontrollsysteme
My Circuit ist erhältlich in der On/Off-Ausführung und mit der kabellosen Lichtsteuerung Casambi zur individuellen Steuerung jeder Leuchte und/oder jedes Lichtmoduls.

Zusatzinformationen
Die Installation von My Circuit ist nur an Decken möglich, die senkrecht zur Vertikalen verlaufen.
Verwenden Sie zum Reinigen des Systems nur ein weiches Tuch. Bei stärkerem Schmutz befeuchten Sie das Tuch mit Wasser. Warnung: Verwenden Sie keinen Alkohol oder Lösungsmittel.
Die Montagefläche muss eben sein. Verwenden Sie bei der Montage geeignete Dübel und Schrauben, je nach Deckenmaterial.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Einhaltung von Vorschriften und Gütezeichen
Die Leuchte entspricht der europäischen technischen Norm EN60598-1 und den sekundären Teilen.

Description
My Circuit, designed by Michael Anastassiades, is the first structure for indoor lighting consisting of a flexible profile that allows the drawing of continuous and completely free paths on the ceiling, combining linear sections with curves of various radii (from R 500 to R 3000 mm).
The system, for surface installation, can hold light modules, projectors with technical performance and suspended luminaires with an attractive decorative appearance.

Design, installation and assembly
To design a layout, it is essential to select and consecutively combine the fixing modules that will be joined to form a central spine that will be fixed to the ceiling, thus defining the shape of My Circuit. Depending on the desired number of luminaires, their position in the layout and their consumption requirements, modules can be added along the circuit where needed to power (48V) the system (a module for remote power supply and another module where the power supply unit is located in a decorative suspension box are available). These power supply modules have their own fixing segment which is added (at an intermediate position or at one end) to the central spine track.
Once the layout has been completed - and installed on the ceiling - the total length of the central spine track is obtained. The flexible profile is installed on this spine track, so that it can be adapted to its core shape and anchored on the ceiling in the desired position. The flexible profile externally embraces the central spine along the entire circuit and is inserted into the power adapters. The flexible profile's layout ends and segment joints - if present - are covered with the corresponding cover caps (end or intermediate).
The implementation of My Circuit is thus finally completed. Last but not least, the various luminaires and light modules are installed on the structure with their respective adapters.

Light Modules
The following light modules are available:
- MyCircuit Light Shadow Spot Ø30 / Ø45
- MyCircuit Spot Ø25 / Ø35

The following decorative luminaires are also available:
- MyCircuit Lines
- MyCircuit Disc
- MyCircuit Dome
- MyCircuit Sphere

Control Systems
My Circuit is available in on/off version and with Casambi wireless dimming system for individual control of each luminaire and/or light module.

Additional Information
My Circuit can only be installed on ceilings perpendicular to the vertical plane.
Use only a soft cloth to clean the system. For stubborn dirt, damp the cloth with water. Warning: do not use alcohol or other solvents.
The installation surface must be flat. When mounting, use suitable dowels and screws, depending on the ceiling material.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
Luminaire conforms to European Technical Standard EN60598-1 and secondary parts.

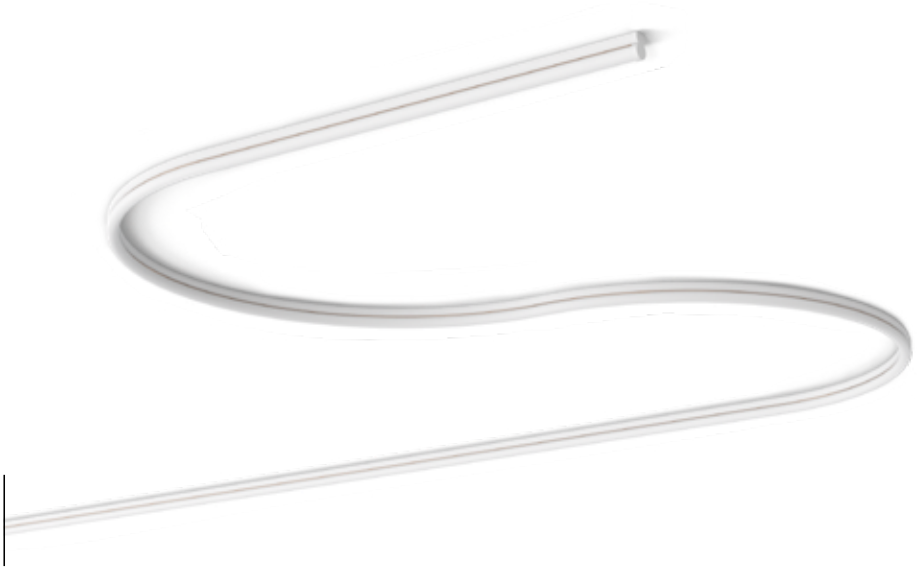
FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

My Circuit Profile

☐ C5 Weiss
C5 White



Spots · My Circuit Profile

☐ C5 Weiss
C5 White

MY CIRCUIT
SPOT Ø25

☐

LIGHT SOURCE
POWER LED
Up to 4W
260 lm
2700K/CRI 90
262 lm
3000K/CRI 90

MY CIRCUIT
SPOT Ø35

☐

LIGHT SOURCE
LED ARRAY
Up to 8W
623 lm
2700K/CRI 90
641 lm
3000K/CRI 90

MY CIRCUIT
LIGHT SHADOW
SPOT Ø30

☐

LIGHT SOURCE
POWER LED
Up to 4W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

MY CIRCUIT
LIGHT SHADOW
SPOT Ø45

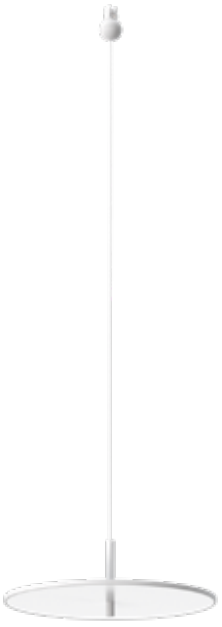
☐

LIGHT SOURCE
LED ARRAY
Up to 8W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

Suspension Fixtures · My Circuit Profile

☐ C5 Weiss
C5 White

MY CIRCUIT DISC



☐

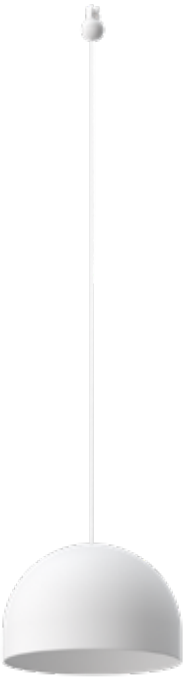
LIGHT SOURCE
TOP LED
42W
4310 lm
2700K/CRI 90
4515 lm
3000K/CRI 90

MY CIRCUIT LINES

☐

LIGHT SOURCE
TOP LED
2 x 23W
2 x 2360 lm
2700K/CRI 90
2 x 2470 lm
3000K/CRI 90

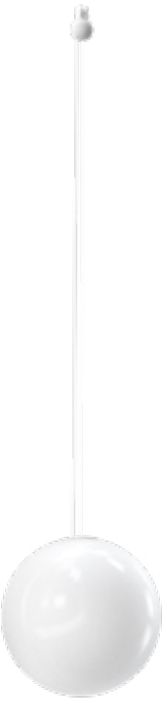
MY CIRCUIT DOME



☐

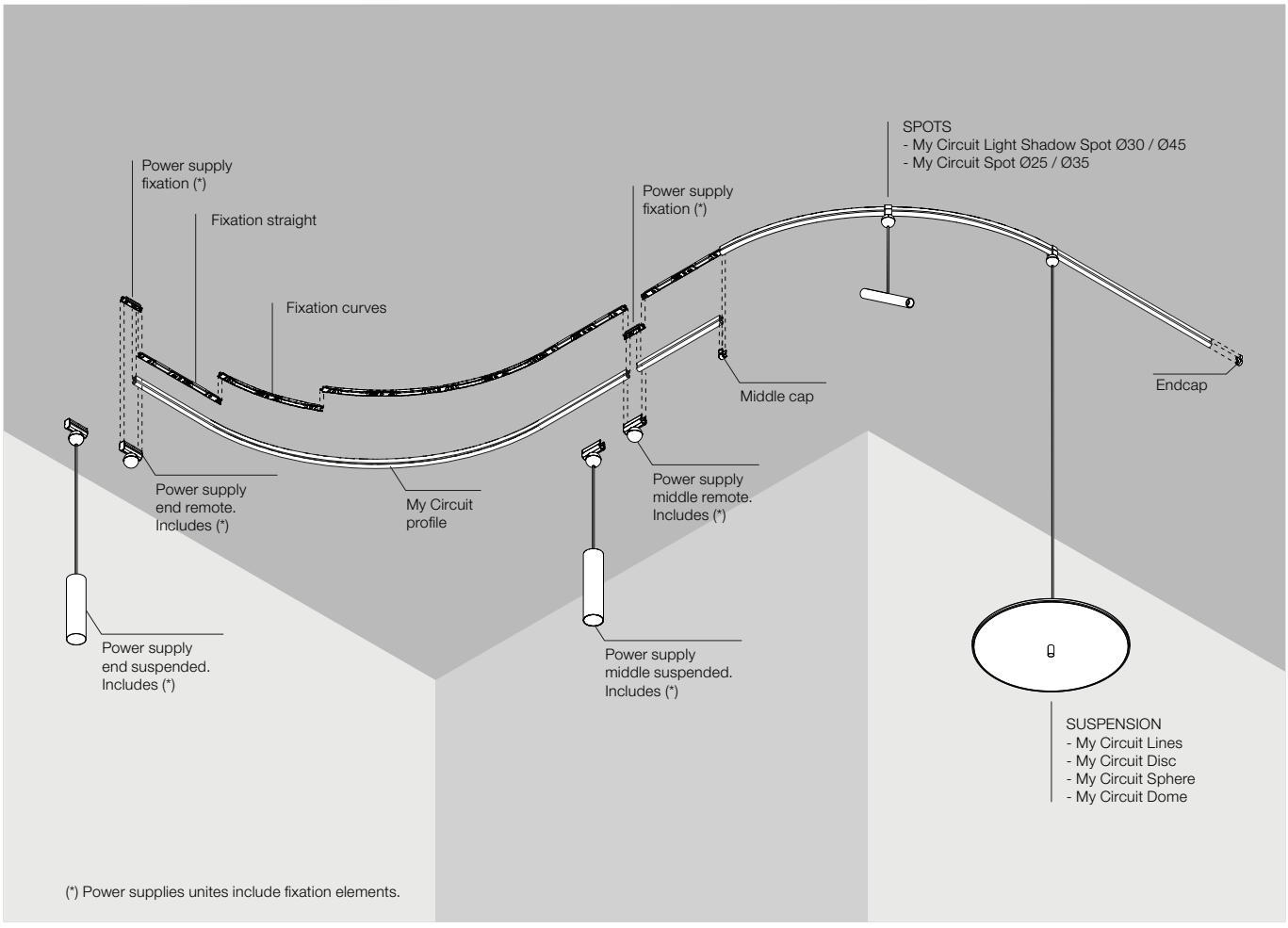
LIGHT SOURCE
TOP LED
40W
2110 lm
2700K / CRI 90
2296 lm
3000K / CRI 90

MY CIRCUIT SPHERE



☐

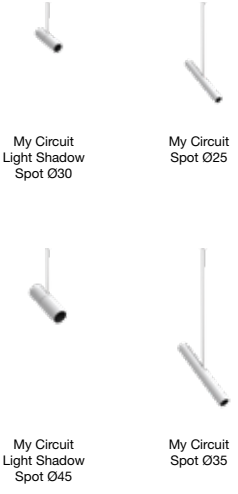
LIGHT SOURCE
TOP LED
40W
2278 lm
2700K / CRI 90
2467 lm
3000K / CRI 90



PHYSICAL CHARACTERISTICS	
Mounting	Surface
Voltage	48Vdc
Track Adapter	My Circuit Adapter
Height	40 mm
Width	24 mm
Length	8 / 15 / 20 m
CONTROL CHARACTERISTICS	
No Dim	✓
Casambi	✓

COMPATIBLE LIGHT MODULES

Accent Lighting



My Circuit Light Shadow Spot Ø30

My Circuit Spot Ø25

My Circuit Light Shadow Spot Ø45

My Circuit Spot Ø35

Diffused Lighting

My Circuit Dome

My Circuit Sphere

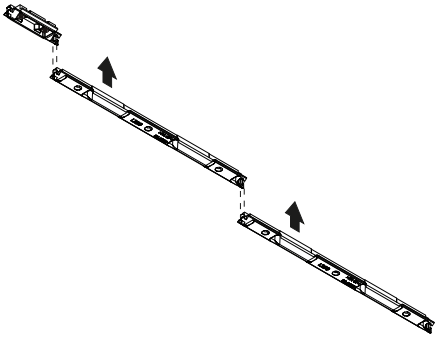
My Circuit Disc

My Circuit Lines

My Circuit - Installation Details

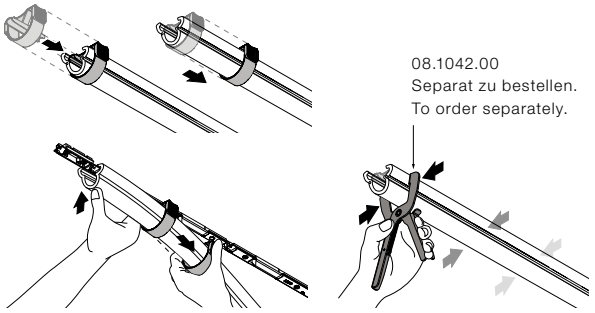
1. Die ausgewählten Befestigungen verbinden und an der Decke installieren, um die My Circuit-Strecke zu konfigurieren.

1. Simply select, splice and install your chosen fixations on the ceiling to configure the My Circuit route.



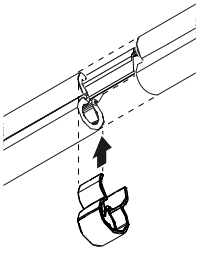
2. My Circuit-Profilsegment auf die gewünschte Länge zuschneiden. Flexible Schiene eindrücken. Das Einsetzen muss an einem Ende beginnen.

2. Cut the My Circuit profile segment to the required length. Press to insert the flexible track. Start at one end of the profile.

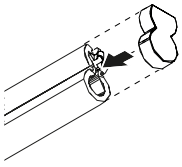


3. Bei Zwischenschnitten in der flexiblen Schiene das Zubehörteil Middle Cap anbringen, am Ende der Strecke das End Cap.

3. Insert a Middle Cap accessory in intermediate cuts in the flexible track. At the end of the circuit, insert an End Cap.



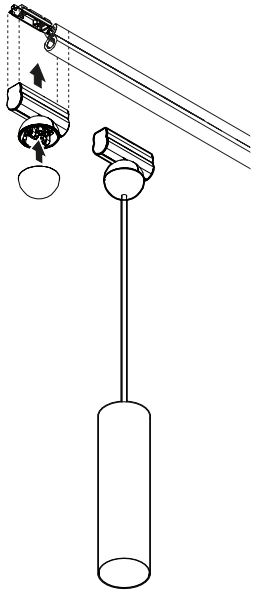
Middle Cap



End Cap

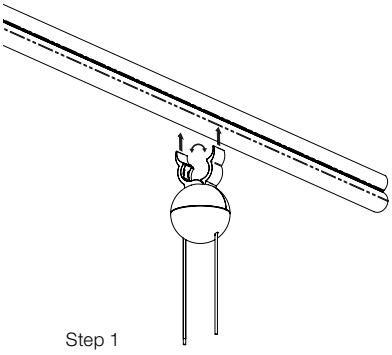
4. In der gewünschten Position (in der Mitte oder an einem Ende) das Leistungsmodul einsetzen (entfernt oder hängend). Dieses Modul verfügt über eine eigene Deckenbefestigung.

4. Install the power module (remote or suspended) in the desired position (intermediate or at one end). This module includes its own ceiling fixation.

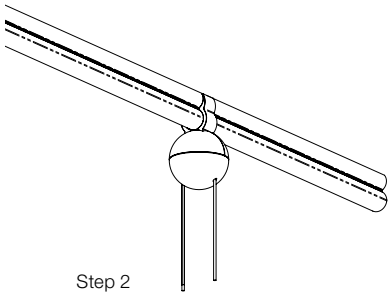


5. Leuchten mit den speziellen Adaptern für My Circuit an der gewünschten Stelle positionieren. Siehe Einzelheiten in der Installationsanleitung.

5. Place the luminaires in the desired position using their My Circuit-specific adapters. See the installation instructions for more details.



Step 1



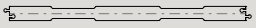
Step 2

HOW TO ORDER

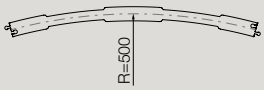
1 DESIGN YOUR LAYOUT & SELECT MY CIRCUIT FIXATIONS

My Circuit Power Supply Fixation
L= 48 / Included in Power Supplies

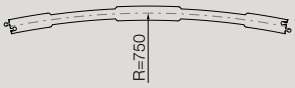
My Circuit Fixation Straight
L= 250 / 1000 / 1500 / 2000 / 2500 / 3000



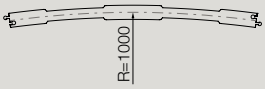
My Circuit Fixation Curve R 500
30° / 90° / 180°



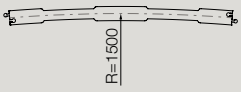
My Circuit Fixation Curve R 750
22,5° / 45° / 90° / 135° / 180°



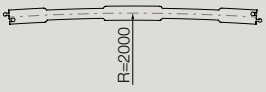
My Circuit Fixation Curve R 1000
15° / 45° / 90° / 135° / 180°



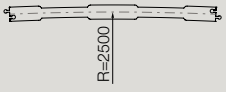
My Circuit Fixation Curve R 1500
9° / 45° / 90° / 135° / 180°



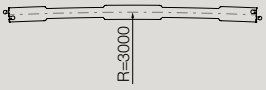
My Circuit Fixation Curve R 2000
7,5° / 45° / 90° / 135° / 180°



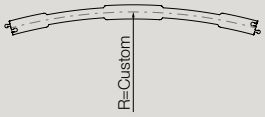
My Circuit Fixation Curve R 2500
5° / 45° / 90° / 135° / 180°



My Circuit Fixation Curve R 3000
5° / 45° / 90° / 135° / 180°



My Circuit Fixation Curve R Custom



2 SELECT & DEFINE PLACEMENT OF LIGHT MODULES IN YOUR LAYOUT

No DIM / Casambi

My Circuit Light Shadow Spot Ø30

S/M/F

My Circuit Light Shadow Pro Ø45

S/M/F

My Circuit Spot Ø25

S/M/F

My Circuit Spot Ø35

S/M/F

Casambi

My Circuit Dome

General lighting

My Circuit Sphere

General lighting

My Circuit Disc

General lighting

My Circuit Lines

General lighting

3 SELECT POWER SUPPLY & ADJUST YOUR FINAL LAYOUT

Power Supply Remote

Accessories

Feed Connector End Remote

Feed Connector Middle Remote

Drivers

320W

240W

150W

Suspended Power Supply

Power Supply End Suspended
240W / 150W

Power Supply Middle Suspended
240W / 150W

4 SELECT MY CIRCUIT PROFILE & ACCESSORIES

My Circuit Profile
L: 8000 / 15000 / 20000 mm

My Circuit Mounting Tool
(included)

Accessories

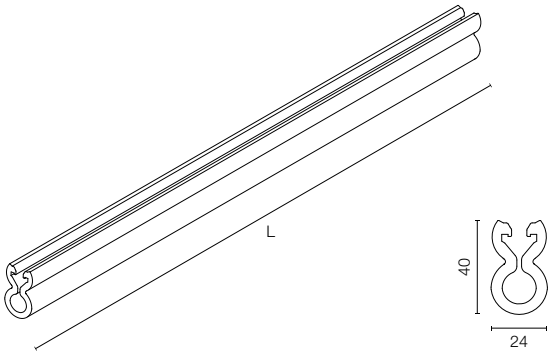
End Cap

Middle Cap

My Circuit Profiles

Flexibles elektromechanisches Profil, das in verschiedenen Längen erhältlich ist und von den Kunden auf die für das jeweilige Projekt erforderliche Länge zugeschnitten werden kann. Das Profil wird in einer Spiralwicklung geliefert. Vor der Installation abwickeln.

Die erforderliche Länge entsprechend der Summe der Längen der geraden Befestigungen, der Bögen der gebogenen Befestigungen und der Schieneneinsätze in den Befestigungen der Einspeiseadapter (auf den Maßzeichnungen markiert) wählen.



L: 8 m / 15 m / 20 m

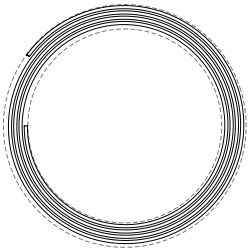
Flexible electromechanical profile available in various lengths, designed to be cut by the customer to the exact length required for each project. The profile is supplied in a spiral roll. It must be unrolled before installation.

Select the required length based on the sum of the lengths of: the straight fixations, the arcs of the curved fixations and the track inserts in the power adapter fixations (marked on its dimensional drawings).

CE

III

IP
20



L: 8000 mm
☐ 06.0330.C5

L: 15000 mm
☐ 06.0331.C5

L: 20000 mm
☐ 06.0332.C5

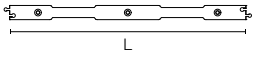
My Circuit Montagewerkzeug (im Lieferumfang enthalten).

My Circuit Mounting Tool (included).

My Circuit Fixation Straight

Gerade Befestigung. Mindestlänge 250 mm. Bausätze mit verschiedenen Längen, bestehend aus mehreren Mindestspleißwinkeln.

Straight fixture. Minimum section 250 mm. Kits of different lengths made up of several minimum splicable sections.



L: 250 mm
06.0335.00

Kit L: 1000 mm (4x 06.0335.00)
06.0366.00

Kit L: 1500 mm (6x 06.0335.00)
06.0367.00

Kit L: 2000 mm (8x 06.0335.00)
06.0368.00

Kit L: 2500 mm (10x 06.0335.00)
06.0369.00

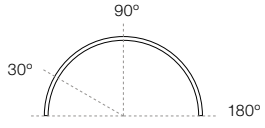
Kit L: 3000 mm (12x 06.0335.00)
06.0370.00

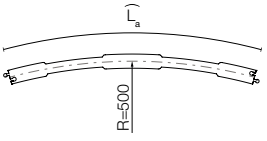
My Circuit Fixation Curve R 500

R 500 gebogene Befestigung. Mindestwinkel von 30°. Bausätze mit 90° und 180°, bestehend aus mehreren Mindestspleißwinkeln.

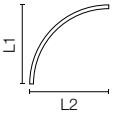
R 500 curved fixture. Minimum angle 30°. 90° and 180° kits are available, made up of several minimum splicable angles.

Minimum angle 30°
Kit angles 90° / 180°

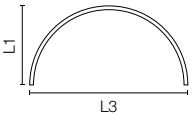




R 500 - 30°
L_a: 262 mm
06.0336.00



R 500 - Kit 90° (3x 06.0336.00)
L_a: 785 mm
L1: 500 mm L2: 500 mm
06.0371.00

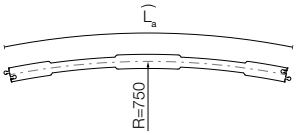


R 500 - Kit 180° (6x 06.0336.00)
L_a: 1571 mm
L1: 500 mm L3: 1000 mm
06.0372.00

My Circuit Fixation Curve R 750

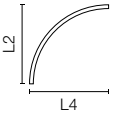
R 750 gebogene Befestigung. Mindestwinkel von 22,5º. Bausätze mit 45º, 90º, 135º und 180º, bestehend aus mehreren Mindestspleißwinkeln.

R 750 curved fixture. Minimum angle 22.5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

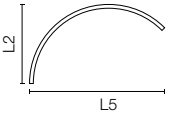


R 750 - 22,5º
L_a: 294,5 mm
06.0337.00

R 750 - Kit 45º (2x 06.0337.00)
L_a: 589 mm
L1: 530 mm L3: 220 mm
06.0373.00

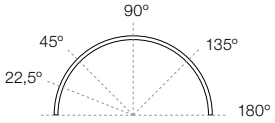


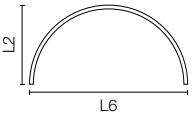
R 750 - Kit 90º (4x 06.0337.00)
L_a: 1178 mm
L2: 750 mm L4: 750 mm
06.0374.00



R 750 - Kit 135º (6x 06.0337.00)
L_a: 1767 mm
L2: 750 mm L5: 1280 mm
06.0375.00

Minimum angle 22,5º
Kit angles 45º / 90º / 135º / 180º



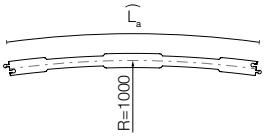


R 750 - Kit 180º (8x 06.0337.00)
L_a: 2356 mm
L2: 750 mm L6: 1500 mm
06.0376.00

My Circuit Fixation Curve R 1000

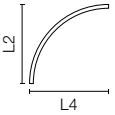
R 1000 gebogene Befestigung. Mindestwinkel von 15º. Bausätze mit 45º, 90º, 135º und 180º, bestehend aus mehreren Mindestspleißwinkeln.

R 1000 curved fixture. Minimum angle 15º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

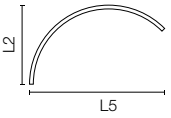


R 1000 - 15º
L_a: 262 mm
06.0338.00

R 1000 - Kit 45º (3x 06.0338.00)
L_a: 785 mm
L1: 707 mm L3: 293 mm
06.0377.00

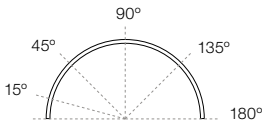


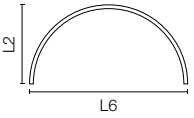
R 1000 - Kit 90º (6x 06.0338.00)
L_a: 1570 mm
L2: 1000 mm L4: 1000 mm
06.0378.00



R 1000 - Kit 135º (9x 06.0338.00)
L_a: 2356 mm
L2: 1000 mm L5: 1707 mm
06.0379.00

Minimum angle 15º
Kit angles 45º / 90º / 135º / 180º





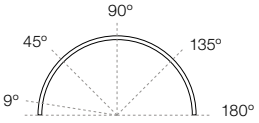
R 1000 - Kit 180º (12x 06.0338.00)
L_a: 3141 mm
L2: 1000 mm L6: 2000 mm
06.0380.00

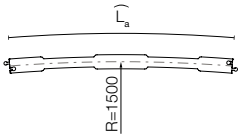
My Circuit Fixation Curve R 1500

R 1500 gebogene Befestigung. Mindestwinkel von 9º. Bausätze mit 45º, 90º, 135º und 180º, bestehend aus mehreren Mindestspleißwinkeln.

R 1500 curved fixture. Minimum angle 9º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

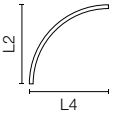
Minimum angle 9º
Kit angles 45º / 90º / 135º / 180º



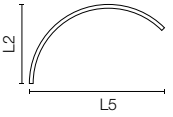


R 1500 - 9º
L_a: 236 mm
06.0339.00

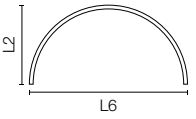
R 1500 - Kit 45º (5x 06.0339.00)
L_a: 1178 mm
L1: 1061 mm L3: 439 mm
06.0381.00



R 1500 - Kit 90º (10x 06.0339.00)
L_a: 2356 mm
L2: 1500 mm L4: 1500 mm
06.0382.00



R 1500 - Kit 135º (15x 06.0339.00)
L_a: 3534 mm
L2: 1500 mm L5: 2561 mm
06.0383.00



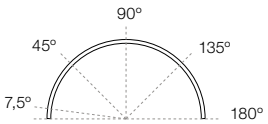
R 1500 - Kit 180º (20x 06.0339.00)
AL: 4712 mm
L2: 1500 mm L6: 3000 mm
06.0384.00

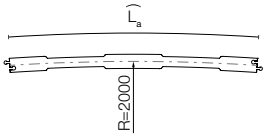
My Circuit Fixation Curve R 2000

R 2000 gebogene Befestigung. Mindestwinkel von 7,5º. Bausätze mit 45º, 90º, 135º und 180º, bestehend aus mehreren Mindestspleißwinkeln.

R 2000 curved fixture. Minimum angle 7.5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

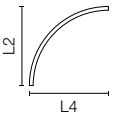
Minimum angle 7,5º
Kit angles 45º / 90º / 135º / 180º



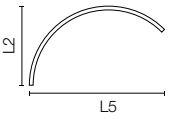


R 2000 - 7,5º
L_a: 262 mm
06.0340.00

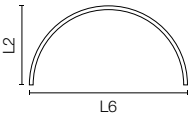
R 2000 - Kit 45º (6x 06.0340.00)
L_a: 1571 mm
L1: 1414 mm L3: 586 mm
06.0385.00



R 2000 - Kit 90º (12x 06.0340.00)
L_a: 3142 mm
L2: 2000 mm L4: 2000 mm
06.0386.00



R 2000 - Kit 135º (18x 06.0340.00)
L_a: 4712 mm
L2: 2000 mm L5: 3414 mm
06.0387.00



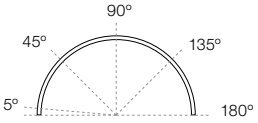
R 2000 - Kit 180º (24x 06.0340.00)
L_a: 6283 mm
L2: 2000 mm L6: 4000 mm
06.0388.00

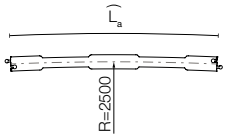
My Circuit Fixation Curve R 2500

R 2500 gebogene Befestigung. Mindestwinkel von 5º. Bausätze mit 45º, 90º, 135º und 180º, bestehend aus mehreren Mindestspleißwinkeln.

R 2500 curved fixture. Minimum angle 5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

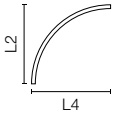
Minimum angle 5º
Kit angles 45º / 90º / 135º / 180º



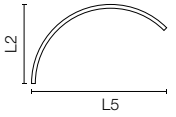


R 2500 - 5º
L_a: 218 mm
06.0341.00

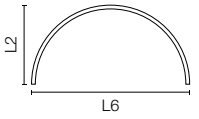
R 2500 - Kit 45º (9x 06.0341.00)
L_a: 1963 mm
L1: 1768 mm L3: 732 mm
06.0389.00



R 2500 - Kit 90º (18x 06.0341.00)
L_a: 3927 mm
L2: 2500 mm L4: 2500 mm
06.0390.00



R 2500 - Kit 135º (27x 06.0341.00)
L_a: 5890 mm
L2: 2500 mm L5: 4268 mm
06.0391.00



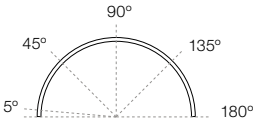
R 2500 - Kit 180º (36x 06.0341.00)
L_a: 7854 mm
L2: 2500 mm L6: 5000 mm
06.0392.00

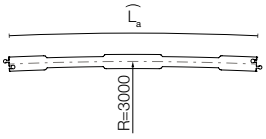
My Circuit Fixation Curve R 3000

R 3000 gebogene Befestigung. Mindestwinkel von 5º. Bausätze mit 45º, 90º, 135º und 180º, bestehend aus mehreren Mindestspleißwinkeln.

R 3000 curved fixture. Minimum angle 5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

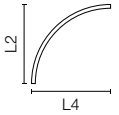
Minimum angle 5 º
Kit angles 45º / 90º / 135º / 180º



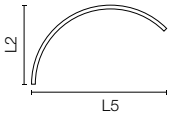


R 3000 - 5º
L_a: 262 mm
06.0342.00

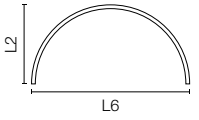
R 3000 - Kit 45º (9x 06.0342.00)
L_a: 2356 mm
L1: 2121 mm L3: 879 mm
06.0393.00



R 3000 - Kit 90º (18x 06.0342.00)
L_a: 4712 mm
L2: 3000 mm L4: 3000 mm
06.0394.00



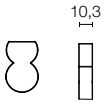
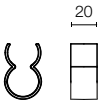
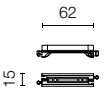
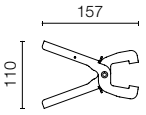
R 3000 - Kit 135º (27x 06.0342.00)
L_a: 7069 mm
L2: 3000 mm L5: 5121 mm
06.0395.00



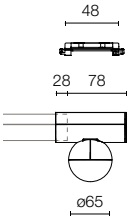
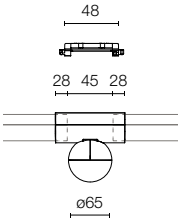
R 3000 - Kit 180º (36x 06.0342.00)
L_a: 9425 mm
L2: 3000 mm L6: 6000 mm
06.0396.00

MY CIRCUIT — ACCESSORIES

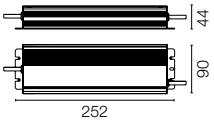
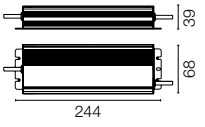
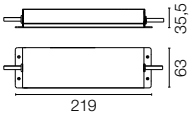
Zubehör / Accessories

Endverkleidung. Wird an den Enden der My-Circuit-Strecke angebracht (falls erforderlich).	End trim cap. For use at the ends of the My Circuit circuit (only if necessary).			06.0350.C5
Zwischenverkleidung. Wird auf die flexiblen Schienenausschnitte von My Circuit aufgebracht (falls erforderlich).	Intermediate trim cap. For use on cuts in the My Circuit flexible track (only if necessary).			06.0351.C5
Zubehör für Installationen mit geschlossenem Kreislauf. Es wird verwendet, um die Enden der My-Circuit-Strecke zu verbinden (ist für diese Montageart obligatorisch).	Accessory for closed loop installations. To join the ends of the My Circuit route (Mandatory for this type of installation).			06.0343.00
Profilbefestigungswerkzeug. Um sicherzustellen, dass das Profil nach der Installation über die gesamte Länge eingeklipst ist.	Profile fixing tool. To ensure that the profile is clipped along its entire length once installed.			08.1042.00

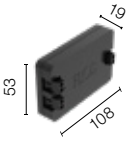
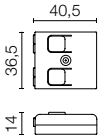
Remote Drivers Accessories

Zubehör für den Anschluss von My Circuit an eine externe Stromquelle. Treiber nicht enthalten. Wird an den Enden der Strecke angebracht (falls erforderlich).	Accessory for connecting My Circuit to the remote power supply. Driver not included. For use at the ends of the circuit (if necessary).			06.0352.C5
Zubehör für den Anschluss von My Circuit an eine externe Stromquelle. Treiber nicht enthalten. Wird in der Mitte der Strecke angebracht (falls erforderlich).	Accessory for connecting My Circuit to the remote power supply. Driver not included. For use in intermediate positions along the circuit (if necessary).			06.0353.C5

Remote Drivers

Stromversorgung mit konstanter Spannung 48V - 320W, 100-110V / 120/277V - 50/60Hz.	Constant voltage power supply 48V - 320W, 100 -110V / 120/277V - 50/60Hz.			60.9741
Stromversorgung mit konstanter Spannung 48V - 240W, 100-110V / 120/277V - 50/60Hz.	Constant voltage power supply 48V - 240W, 100 -110V / 120/277V - 50/60Hz.			60.8723
Stromversorgung mit konstanter Spannung 48V - 150W, 100-110V / 120/277V - 50/60Hz.	Constant voltage power supply 48V - 150W, 100-110V / 120/277V - 50/60Hz.			60.9781

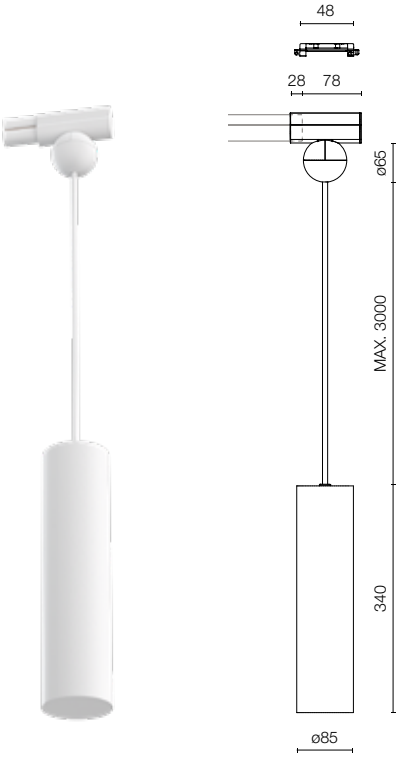
Steuereinheit / Control Units

Drahtlose Dimmerbrücke. Von 1-10V bis Casambi. Zur Remote-Installation. Siehe Produktspezifikationen im Flos Control-Handbuch.	Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual.			DIM 1-10V >> Casambi 08.0824.14
Kabelloses Dimm-Gateway Casambi ↔ DALI. Für Ferninstallation. Siehe Produktspezifikationen im Flos Control Handbuch.	Wireless dimming gateway Casambi ↔ DALI. For remote installation. Refer to the product specifications in the Flos Control manual.			DIM Casambi << >> DALI 08.0961.00

Suspended Drivers

Zubehör für den Anschluss von My Circuit an das hängende Stromnetz. Treiber enthalten (48 V). Wird an den Enden der Strecke angebracht (falls erforderlich). My Circuit Stromversorgungsbefestigung, im Lieferumfang enthalten.

Accessory for connecting My Circuit to the suspended power supply. Driver included (48V). For use at the ends of the circuit (if necessary).
My Circuit Power Supply Fixation, included.

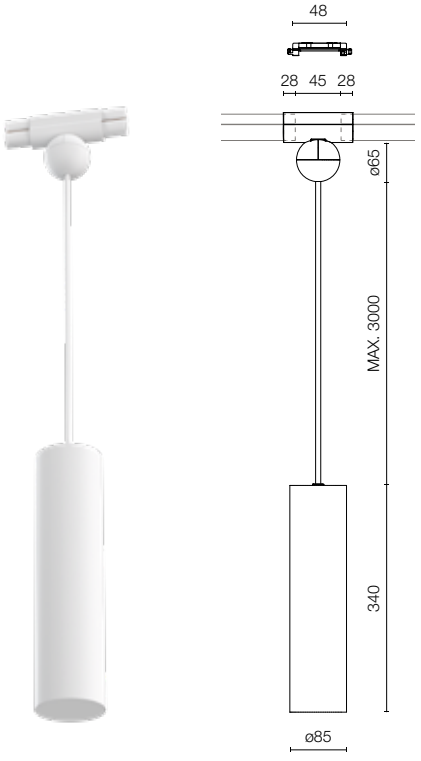


240W · 100-240Vac
240W · 180-240Vac
180W · 100-180Vac
06.0354.C5

150W · 100-240Vac
150W · 180-240Vac
105W · 100-180Vac
06.0403.C5

Zubehör für den Anschluss von My Circuit an das hängende Stromnetz. Treiber enthalten (48 V). Wird in der Mitte der Strecke angebracht (falls erforderlich). My Circuit Stromversorgungsbefestigung, im Lieferumfang enthalten.

Accessory for connecting My Circuit to the suspended power supply. Driver included (48V). For use in intermediate positions along the circuit (if necessary).
My Circuit Power Supply Fixation, included.



240W · 100-240Vac
240W · 180-240Vac
180W · 100-180Vac
06.0355.C5

150W · 100-240Vac
150W · 180-240Vac
105W · 100-180Vac
06.0404.C5

Anforderungen an Treiber und Schienenkonfiguration / Drivers & Track Configuration Requirements

Maximale Länge des Sekundärkabels (Querschnitt 1,5 mm²): 5 Meter vom Treiber zur Schiene.
Maximale Schienenlänge 20 Meter.

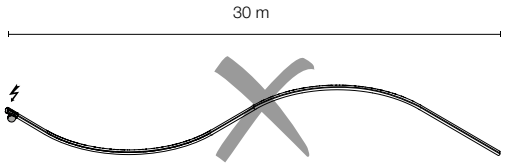
Maximum length of secondary cable (section 1.5mm²): 5 metres from the driver to the track.
Maximum track length 20 metres.

		Remote Drivers			Suspended Drivers	
Light Modules	Fixture W	150W 60.9781	240W 60.8723	320W 60.9741	150W 06.0403.C5 / 06.0404.C5	240W 06.0354.C5 / 06.0355.C5
	3,5W	42 units	68 units	91 units	42 units	68 units
	4W	32 units	50 units	68 units	32 units	50 units
	7,5W	20 units	32 units	42 units	20 units	32 units
	8W	16 units	25 units	34 units	16 units	25 units
	40W	3 units	5 units	6 units	3 units	5 units
	40W	3 units	5 units	6 units	3 units	5 units
	42W	3 units	5 units	6 units	3 units	5 units
	44W	3 units	4 units	6 units	3 units	4 units

Konfigurationsbeispiele / Configuration examples

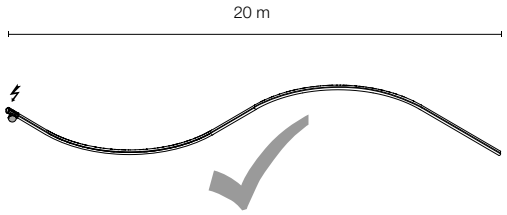
Beispiel für eine falsche
Konfiguration: Entfernung KO.

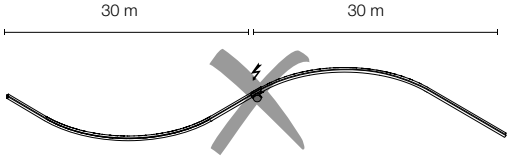
Example of incorrect configuration:
Distance KO.

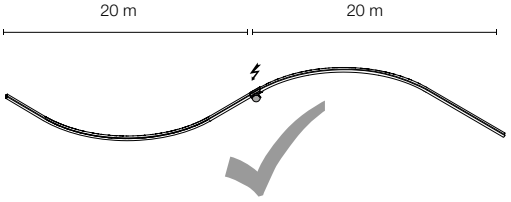


Beispiel für eine richtige
Konfiguration: Entfernung OK.

Example of correct configuration:
Distance OK.

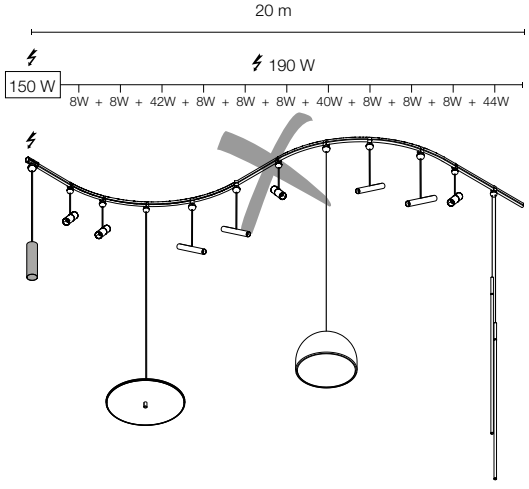






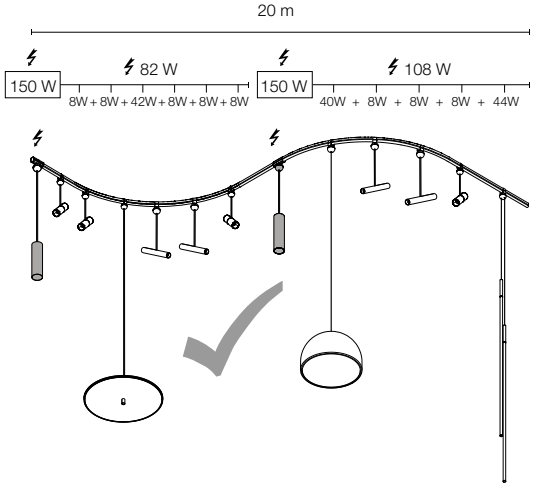
Beispiel für eine falsche Konfiguration:
Entfernung OK / Leistung KO.

Example of incorrect configuration:
Distance OK / Power KO.



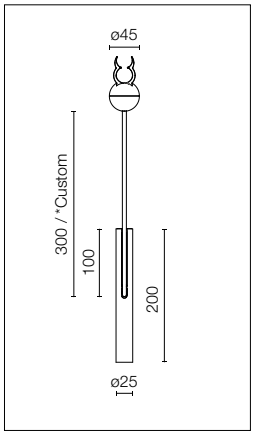
Beispiel für eine richtige Konfiguration:
Entfernung OK / Leistung OK.

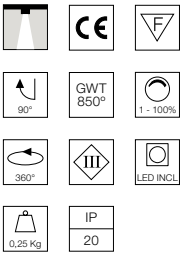
Example of correct configuration:
Distance OK / Power OK.



My Circuit Spot Ø25

Power LED Non Dimmable 3,5W - 260 lm - 2700K/CRI 90 / 262 lm - 3000K/ CRI 90
Power LED Casambi 4W - 260 lm - 2700K/CRI 90 / 262 lm - 3000K/ CRI 90





LED-Beleuchtungsmodul, das in das System My Circuit eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig. Casambi-Version für drahtlose Steuerung. Casambi, maximaler Abstand zwischen den Geräten: 12 m.
* Für kundenspezifische Längen der Schienenverbindungsarme fragen Sie uns bitte.

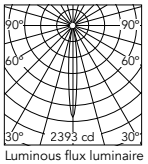
LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 12m.
* Ask us about bespoke track connector arm lengths.

Optic Spot - 2700K

Non Dimmable
☐ 05.2900.C5

Casambi
☐ 05.2920.C5

11°



Luminous flux luminaire
132 lm

Beam Angle: 11°

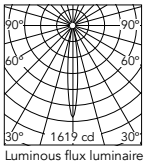
h(m)	E(lx)	D(m)
1	2393	0.18
2	598	0.37
3	266	0.55
4	150	0.74
5	96	0.92

Optic Spot - 3000K

Non Dimmable
☐ 05.2905.C5

Casambi
☐ 05.2925.C5

13°



Luminous flux luminaire
115 lm

Beam Angle: 13°

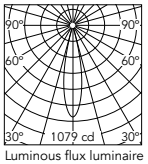
h(m)	E(lx)	D(m)
1	1619	0.22
2	405	0.44
3	180	0.66
4	101	0.88
5	65	1.10

Optic Medium - 2700K

Non Dimmable
☐ 05.2901.C5

Casambi
☐ 05.2921.C5

22°



Luminous flux luminaire
145 lm

Beam Angle: 22°

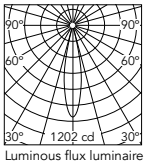
h(m)	E(lx)	D(m)
1	1079	0.39
2	270	0.77
3	120	1.16
4	67	1.54
5	43	1.93

Optic Medium - 3000K

Non Dimmable
☐ 05.2906.C5

Casambi
☐ 05.2926.C5

21°



Luminous flux luminaire
148 lm

Beam Angle: 21°

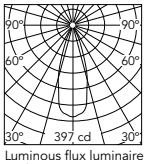
h(m)	E(lx)	D(m)
1	1202	0.37
2	300	0.75
3	134	1.12
4	75	1.49
5	48	1.86

Optic Flood - 2700K

Non Dimmable
☐ 05.2902.C5

Casambi
☐ 05.2922.C5

35°



Luminous flux luminaire
135 lm

Beam Angle: 35°

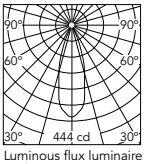
h(m)	E(lx)	D(m)
1	397	0.63
2	99	1.26
3	44	1.89
4	25	2.51
5	16	3.14

Optic Flood - 3000K

Non Dimmable
☐ 05.2907.C5

Casambi
☐ 05.2927.C5

32°



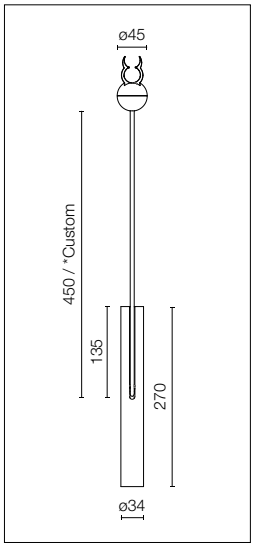
Luminous flux luminaire
142 lm

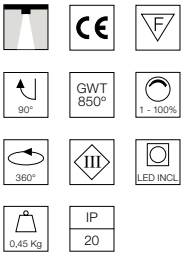
Beam Angle: 32°

h(m)	E(lx)	D(m)
1	444	0.58
2	111	1.16
3	49	1.75
4	28	2.33
5	18	2.91

My Circuit Spot Ø35

LED Array Non Dimmable 7,5W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/ CRI 90
LED Array Casambi 8W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/ CRI 90





LED-Beleuchtungsmodul, das in das System My Circuit eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig. Casambi-Version für drahtlose Steuerung. Casambi, maximaler Abstand zwischen den Geräten: 6 m.
* Für kundenspezifische Längen der Schienenverbindungsarme fragen Sie uns bitte.

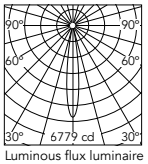
LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 6m.
* Ask us about bespoke track connector arm lengths.

Optic Spot - 2700K

Non Dimmable
☐ 05.2910.C5

Casambi
☐ 05.2930.C5

15°



Luminous flux luminaire
487 lm

Beam Angle: 15°

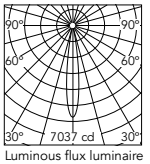
h(m)	E(lx)	D(m)
1	6779	0.26
2	1695	0.51
3	753	0.77
4	424	1.02
5	271	1.28

Optic Spot - 3000K

Non Dimmable
☐ 05.2915.C5

Casambi
☐ 05.2935.C5

15°



Luminous flux luminaire
507 lm

Beam Angle: 15°

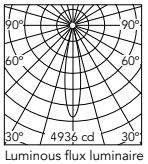
h(m)	E(lx)	D(m)
1	7037	0.26
2	1759	0.52
3	782	0.78
4	440	1.04
5	281	1.30

Optic Medium - 2700K

Non Dimmable
☐ 05.2911.C5

Casambi
☐ 05.2931.C5

19°



Luminous flux luminaire
525 lm

Beam Angle: 19°

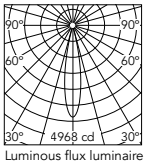
h(m)	E(lx)	D(m)
1	4936	0.34
2	1234	0.68
3	548	1.02
4	308	1.36
5	197	1.70

Optic Medium - 3000K

Non Dimmable
☐ 05.2916.C5

Casambi
☐ 05.2936.C5

20°



Luminous flux luminaire
548 lm

Beam Angle: 20°

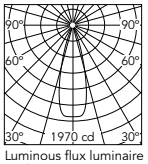
h(m)	E(lx)	D(m)
1	4968	0.35
2	1242	0.69
3	552	1.04
4	311	1.39
5	199	1.73

Optic Flood - 2700K

Non Dimmable
☐ 05.2912.C5

Casambi
☐ 05.2932.C5

30°



Luminous flux luminaire
538 lm

Beam Angle: 30°

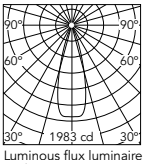
h(m)	E(lx)	D(m)
1	1970	0.54
2	492	1.09
3	219	1.63
4	123	2.18
5	79	2.72

Optic Flood - 3000K

Non Dimmable
☐ 05.2917.C5

Casambi
☐ 05.2937.C5

31°



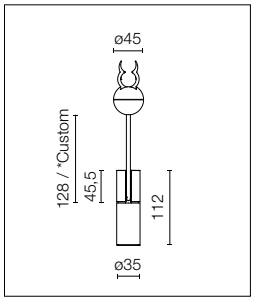
Luminous flux luminaire
559 lm

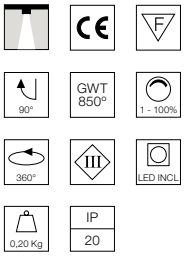
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	1983	0.56
2	496	1.11
3	220	1.67
4	124	2.22
5	79	2.78

My Circuit Light Shadow Spot Ø30

Power LED Non Dimmable 3,5W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/ CRI 90
Power LED Casambi 4W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/ CRI 90





LED-Beleuchtungsmodul, das in das System My Circuit eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig. Casambi-Version für drahtlose Steuerung. Casambi, maximaler Abstand zwischen den Geräten: 12 m.
* Für kundenspezifische Längen der Schienenverbindungsarme fragen Sie uns bitte.

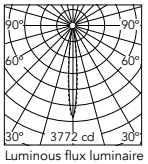
LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 12m.
* Ask us about bespoke track connector arm lengths.

Optic Spot - 2700K

Non Dimmable
☐ 05.2950.C5

Casambi
☐ 05.2970.C5

10°



Luminous flux luminaire
209 lm

Beam Angle: 10°

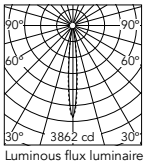
h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

Optic Spot - 3000K

Non Dimmable
☐ 05.2955.C5

Casambi
☐ 05.2975.C5

10°



Luminous flux luminaire
214 lm

Beam Angle: 10°

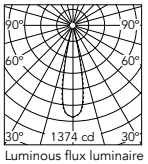
h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

Optic Medium - 2700K

Non Dimmable
☐ 05.2951.C5

Casambi
☐ 05.2971.C5

22°



Luminous flux luminaire
201 lm

Beam Angle: 22°

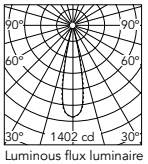
h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

Optic Medium - 3000K

Non Dimmable
☐ 05.2956.C5

Casambi
☐ 05.2976.C5

22°



Luminous flux luminaire
205 lm

Beam Angle: 22°

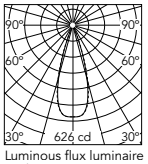
h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

Non Dimmable
☐ 05.2952.C5

Casambi
☐ 05.2972.C5

33°



Luminous flux luminaire
200 lm

Beam Angle: 33°

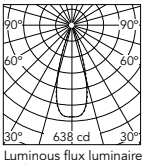
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Optic Flood - 3000K

Non Dimmable
☐ 05.2957.C5

Casambi
☐ 05.2977.C5

33°



Luminous flux luminaire
204 lm

Beam Angle: 33°

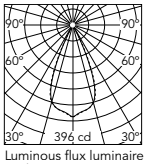
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Optic Wide Flood - 2700K

Non Dimmable
☐ 05.2953.C5

Casambi
☐ 05.2973.C5

46°



Luminous flux luminaire
209 lm

Beam Angle: 46°

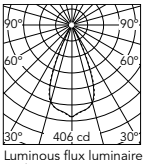
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Optic Wide Flood - 3000K

Non Dimmable
☐ 05.2958.C5

Casambi
☐ 05.2978.C5

46°



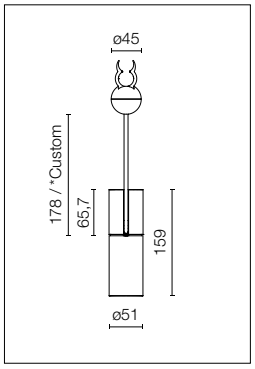
Luminous flux luminaire
214 lm

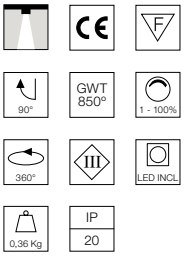
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

My Circuit Light Shadow Spot Ø45

LED Array Non Dimmable 7,5W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/ CRI 90
LED Array Casambi 8W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/ CRI 90





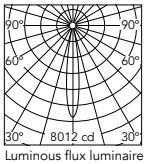
LED-Beleuchtungsmodul, das in das System My Circuit eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig. Casambi-Version für drahtlose Steuerung. Casambi, maximaler Abstand zwischen den Geräten: 12 m.
* Für kundenspezifische Längen der Schienenverbindungsarme fragen Sie uns bitte.

LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 12m.
* Ask us about bespoke track connector arm lengths.

Optic Spot - 2700K

Non Dimmable
☐ 05.2960.C5

Casambi
☐ 05.2980.C5



Luminous flux luminaire
650 lm

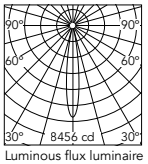
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Spot - 3000K

Non Dimmable
☐ 05.2965.C5

Casambi
☐ 05.2985.C5



Luminous flux luminaire
686 lm

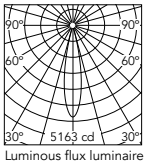
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

Optic Medium - 2700K

Non Dimmable
☐ 05.2961.C5

Casambi
☐ 05.2981.C5



Luminous flux luminaire
645 lm

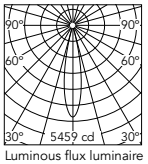
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

Optic Medium - 3000K

Non Dimmable
☐ 05.2966.C5

Casambi
☐ 05.2986.C5



Luminous flux luminaire
682 lm

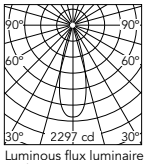
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

Non Dimmable
☐ 05.2962.C5

Casambi
☐ 05.2982.C5



Luminous flux luminaire
646 lm

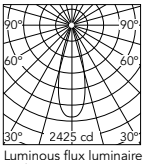
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

Non Dimmable
☐ 05.2967.C5

Casambi
☐ 05.2987.C5



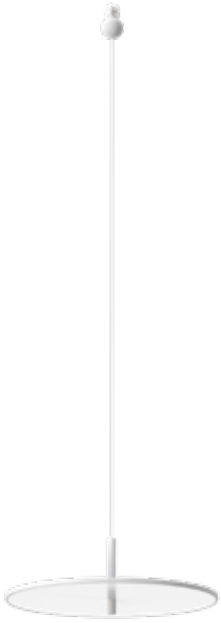
Luminous flux luminaire
682 lm

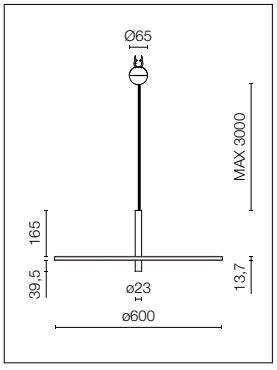
Beam Angle: 31°

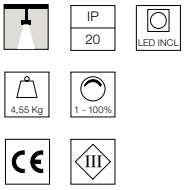
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

My Circuit Disc

TOP LED 42W - 4310 lm - 2700K/CRI 90 / 42W - 4515 lm - 3000K/CRI 90



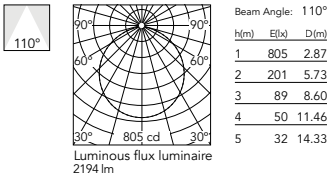




Hängeleuchte zum Einbau in das System My Circuit. Diffuse Emission nach Down. Einstellbare Aufhängungshöhe. Casambi-Version für drahtlose Steuerung.

Suspended luminaire for installation in the My Circuit system. Diffused Down emission. Adjustable suspension height. Casambi version for wireless control.

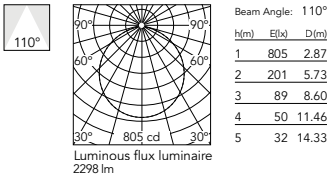
2700K
Casambi
☐ 05.2990.C5



Luminous flux luminaire
2194 lm

Beam Angle:	110°
h(m)	E(lx) D(m)
1	805 2.87
2	201 5.73
3	89 8.60
4	50 11.46
5	32 14.33

3000K
Casambi
☐ 05.2992.C5

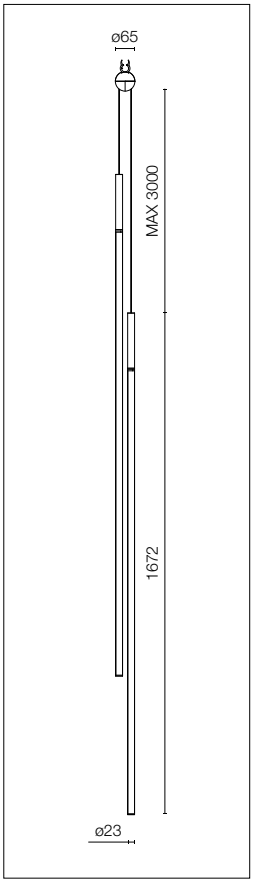


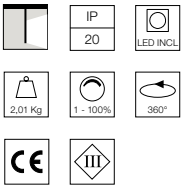
Luminous flux luminaire
2298 lm

Beam Angle:	110°
h(m)	E(lx) D(m)
1	805 2.87
2	201 5.73
3	89 8.60
4	50 11.46
5	32 14.33

My Circuit Lines

TOP LED 2 x 23W - 2 x 2360 lm - 2700K/CRI 90 / 2 x 23W - 2 x 2470 lm - 3000K/CRI 90

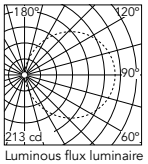




Hängeleuchte zum Einbau in das System My Circuit. Seitliche diffuse Emission mit unabhängiger Ausrichtung (durch Drehung um die Produktachse) auf jeder Linie. Einstellbare Aufhängungshöhe. Konzeptionell wird ein Abhängeabstand empfohlen, der die gleiche Funktionalität wie eine Stehleuchte erfüllt. Casambi-Version für drahtlose Steuerung.

Suspended luminaire for installation in the My Circuit system. Lateral, independently adjustable diffuse emission (by rotating on the axis of the product) for each line. Adjustable suspension height. In principle, we recommend a suspension distance in order to achieve the same functionality as a freestanding luminaire. Casambi version for wireless control.

2700K
Casambi
☐ 05.2991.C5

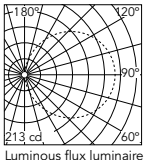


Luminous flux luminaire
2 x 1393 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	296	3.01
2	74	6.03
3	33	9.04
4	19	12.06
5	12	15.07

3000K
Casambi
☐ 05.2993.C5



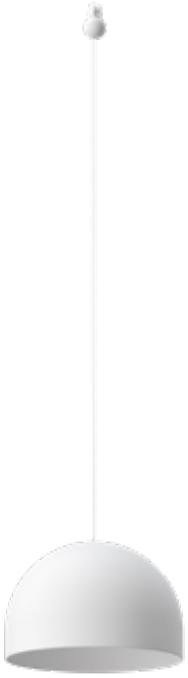
Luminous flux luminaire
2 x 1460 lm

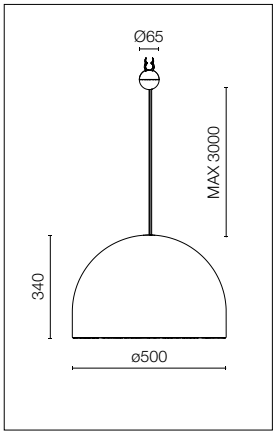
Beam Angle: 110°

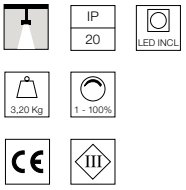
h(m)	E(lx)	D(m)
1	296	3.01
2	74	6.03
3	33	9.04
4	19	12.06
5	12	15.07

My Circuit Dome

TOP LED 40W - 2110 lm - 2700K/CRI 90 / 40W - 2296 lm - 3000K/CRI 90



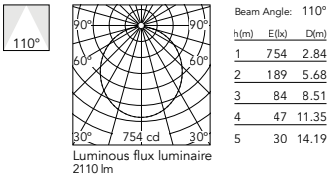




Hängeleuchte zum Einbau in das System My Circuit. Downlight mit diffuser Emission. Einstellbare Aufhängungshöhe. Casambi-Version für drahtlose Steuerung.

Suspended luminaire for installation in the My Circuit system. Diffused downlight emission. Adjustable suspension height. Casambi version for wireless control.

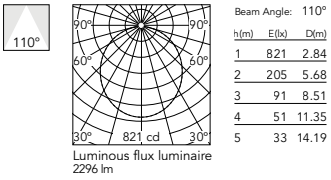
2700K
Casambi
☐ 05.2994.C5



Luminous flux luminaire
2110 lm

Beam Angle:	110°
h(m)	E(lx) D(m)
1	754 2.84
2	189 5.68
3	84 8.51
4	47 11.35
5	30 14.19

3000K
Casambi
☐ 05.2996.C5

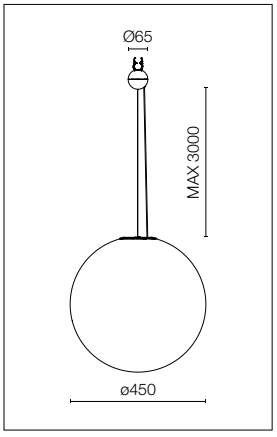


Luminous flux luminaire
2296 lm

Beam Angle:	110°
h(m)	E(lx) D(m)
1	821 2.84
2	205 5.68
3	91 8.51
4	51 11.35
5	33 14.19

My Circuit Sphere

TOP LED 40W - 2278 lm - 2700K/CRI 90 / 40W - 2467 lm - 3000K/CRI 90

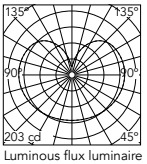


IP 20 · LED INCL · 5,70 Kg · 1 - 100%

Hängeleuchte zum Einbau in das System My Circuit. Omnidirektionale diffuse Emission. Einstellbare Aufhängungshöhe. Casambi-Version für drahtlose Steuerung.

Suspended luminaire for installation in the My Circuit system. Diffused omnidirectional emission. Adjustable suspension height. Casambi version for wireless control.

2700K
Casambi
☐ 05.2995.C5

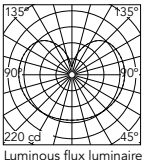


Luminous flux luminaire
2268 lm

Beam Angle:

h(m)	E(lx)	D(m)
1	0	
2	0	
3	0	
4	0	
5	0	

3000K
Casambi
☐ 05.2997.C5



Luminous flux luminaire
2457 lm

Beam Angle:

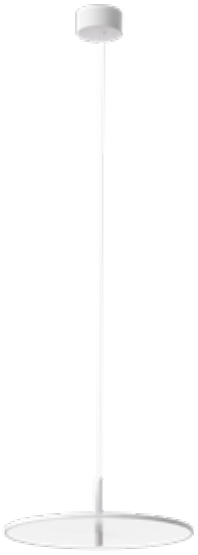
h(m)	E(lx)	D(m)
1	0	
2	0	
3	0	
4	0	
5	0	

Decorative Collection

MY DOME

MY SPHERE

MY DISC

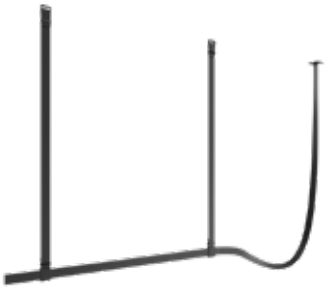


MY LINES

*Siehe Dekorationskatalog / Refer to Decorative Catalogue.

BELT

DESIGNED BY RONAN&ERWAN BOUROULLEC



LIGHT SOURCE
TOP LED
27,5W/m

915 lm/m Up
2000 lm/m Down
2700K/CRI 95

1050 lm/m Up
2450 lm/m Down
3000K/CRI 95

Leather

GN Green

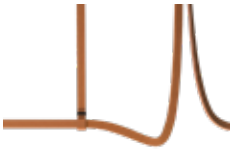
18 Natural Leather

14 Black

Fabric

GO Grey olive

M5 Copper Brown



Produktbeschreibung
Dieses legendäre Profil für die hängende Montage zeichnet sich durch eine Leder- oder Stoffverkleidung aus, die speziell für Flos Architectural entwickelt wurde, um die Sicherheits- und Reinlichkeitsanforderungen öffentlicher und privater Umgebungen zu erfüllen.
Belt ist pure Flexibilität, eine geschwungene Linie, deren Merkmal die Ausgewogenheit zwischen der Sanftheit des Leders und der Starre des Aluminiums ist. Das weiche Element repräsentiert die Netzverbindung, während die starren Teile den Lichtquellen, den langen Lichtleitungen, entsprechen. Jedes Profil verfügt über eine integrierte Beleuchtung mit direktem und indirektem Licht und jede Lichtquelle kann einzeln über Fernbedienung gesteuert werden.
Das Produkt wird mithilfe von Riemen montiert, mit denen das Beleuchtungsprofil aufgehängt wird. Die Riemen werden durch spezielle Metallschnallen gezogen, die als Deckenhalterungen dienen. Jeder Riemen kann eingestellt werden, um sich der Beschaffenheit der Umgebung anzupassen.
Mit dem exklusiven, in die Klemme des Beleuchtungsprofils integrierten Mini-Stecker kann die elektrische Verbindung mit einem simplen Klick hergestellt werden. Das Verbindungselement ist im Riemen verborgen, mit dem die Beleuchtungseinheit aufgehängt wird.
Profile in der Länge von 2 und 3m und mit Oberflächen aus Leder (Schwarz, Naturleder und Grün) und aus Stoff (grey olive und copper brown).

Optisches System
Lineares Up&Down-Profil - direkte/indirekte Emission: Allgemeine Beleuchtung.

Einspeisung
Das System kann nur mit einer externen Stromquelle betrieben werden, die nicht in den Profilen enthalten ist. Empfohlene Treiber sind separat zu bestellen.

Regulierungssystem
Dimmbares System mit 1–10V-, DALI- oder CASAMBI-Controller, das in der Leuchte integriert ist.
Individuelle direkte und indirekte Emissionen können durch ein Casambi- oder DALI-Steuersystem reguliert werden.

Zusatzinformationen
Elektrische Anlage wird mit 48 V.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
This iconic profile for suspended installation features a leather or textile Surface developed specifically for Flos Architectural to respond to the needs of safety and cleanliness in public and private environments.
Belt is pure flexibility, a sinuous line that creates a balance between the softness of leather and the rigidity of aluminium. The soft part is represented by the connection to the electrical network, while the rigid parts correspond to the light source of the long lines of light.
Each profile is equipped with integrated direct and indirect lighting, and each light source can be controlled individually via remote control.
The product is installed with the use of straps to hang the lighting profile, sliding the straps through dedicated metal clasps that act as hooks on the ceiling. Each strap may be regulated to match the shape of the environment.
A special microconnector integrated into the terminal of the lighting profile allows for electrical connection through a simple snap. The electrical connection is hidden within the strap, which supports the composition.
Profiles available with 2- and 3-m lengths in leather finishes (black, natural leather and green), as well as in textile finishes (grey olive and copper brown).

Optic system
Linear Up&Down profile – direct/indirect emission: General Lighting.

Power Supply
The system may be powered only with remote power sources not included with the profiles. Recommended drivers sold separately.

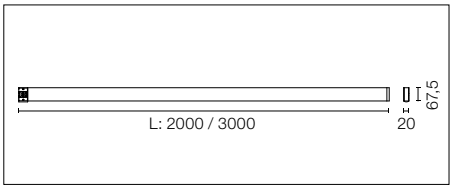
Regulation System
Dimmable system with 1–10 V, DALI, or CASAMBI controller integrated inside the fixture. Individual direct and indirect emission may be regulated through a Casambi or DALI control system.

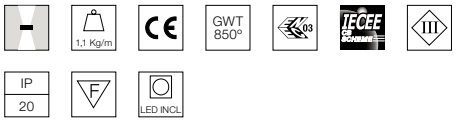
Additional Information
Electrical system powered at 48V.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Belt

Top LED 27,5W/m - 915 lm/m UP - 2000 lm/m DOWN - 2700K/CRI 95 / 27,5W/m - 1050 lm/m UP - 2450 lm/m DOWN - 3000K/CRI 95





Elektromechanisches Profil für Innenräume mit integrierter linearer Beleuchtung für hängende Installationen mit einer Länge von 2 bis 3 m erhältlich. Installation über Deckenaufhängungsbänder und externes Netzteil, das separat zu bestellen ist. Up&Down-System über DALI gesteuert oder CASAMBI einzeln und über 1-10V zusammen (Broadcast).

Electromechanical profile for interior use with integrated linear lighting for suspended installation available with 2 or 3 m lengths. Installation via suspension straps on the ceiling and remote power kit, to be ordered separately. Up&Down system controlled via DALI or CASAMBI individually and via 1-10V all together (Broadcast).

2700K

L: 2000 mm

Dali Version

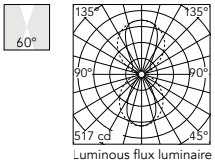
03.8500.GN.DA
03.8500.18.DA
03.8500.14.DA
03.8500.GO.DA
03.8500.M5.DA

1-10V (Broadcast)

03.8500.GN.1V
03.8500.18.1V
03.8500.14.1V
03.8500.GO.1V
03.8500.M5.1V

Casambi integrated

03.8500.GN.CB
03.8500.18.CB
03.8500.14.CB
03.8500.GO.CB
03.8500.M5.CB



Luminous flux luminaire
1694 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	517	1.16
2	129	2.31
3	57	3.47
4	32	4.63
5	21	5.79

3000K

L: 2000 mm

Dali Version

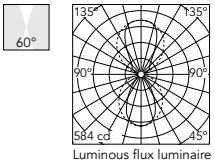
03.8505.GN.DA
03.8505.18.DA
03.8505.14.DA
03.8505.GO.DA
03.8505.M5.DA

1-10V (Broadcast)

03.8505.GN.1V
03.8505.18.1V
03.8505.14.1V
03.8505.GO.1V
03.8505.M5.1V

Casambi integrated

03.8505.GN.CB
03.8505.18.CB
03.8505.14.CB
03.8505.GO.CB
03.8505.M5.CB



Luminous flux luminaire
1915 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	584	1.16
2	146	2.31
3	65	3.47
4	37	4.63
5	23	5.79

2700K

L: 3000 mm

Dali Version

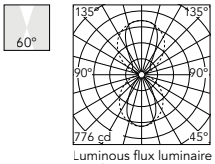
03.8501.GN.DA
03.8501.18.DA
03.8501.14.DA
03.8501.GO.DA
03.8501.M5.DA

1-10V (Broadcast)

03.8501.GN.1V
03.8501.18.1V
03.8501.14.1V
03.8501.GO.1V
03.8501.M5.1V

Casambi integrated

03.8501.GN.CB
03.8501.18.CB
03.8501.14.CB
03.8501.GO.CB
03.8501.M5.CB



Luminous flux luminaire
2542 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	776	1.16
2	194	2.31
3	86	3.47
4	48	4.63
5	31	5.79

3000K

L: 3000 mm

Dali Version

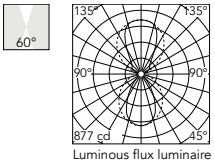
03.8506.GN.DA
03.8506.18.DA
03.8506.14.DA
03.8506.GO.DA
03.8506.M5.DA

1-10V (Broadcast)

03.8506.GN.1V
03.8506.18.1V
03.8506.14.1V
03.8506.GO.1V
03.8506.M5.1V

Casambi integrated

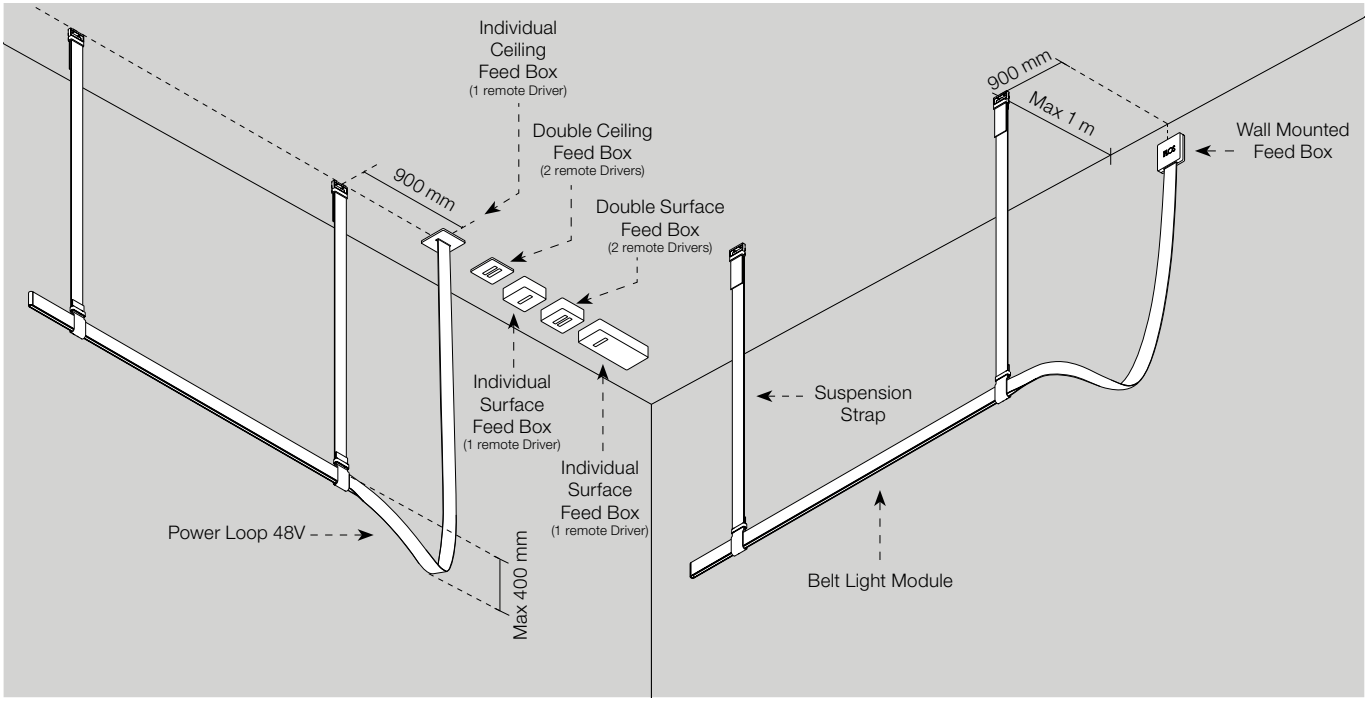
03.8506.GN.CB
03.8506.18.CB
03.8506.14.CB
03.8506.GO.CB
03.8506.M5.CB



Luminous flux luminaire
2872 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	877	1.16
2	219	2.31
3	97	3.47
4	55	4.63
5	35	5.79

BELT — INSTALLATION



Zubehör / Accessories

Aufhängungsgurt. 2 stück.

Suspension strap. 2 units.

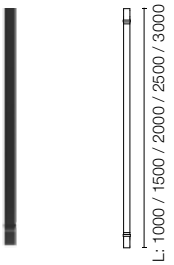
L: 1000 mm
- 03.8510.GN
- 03.8510.18
- 03.8510.14
- 03.8510.GO
- 03.8510.M5

L: 1500 mm
- 03.8513.GN
- 03.8513.18
- 03.8513.14
- 03.8513.GO
- 03.8513.M5

L: 2000 mm
- 03.8511.GN
- 03.8511.18
- 03.8511.14
- 03.8511.GO
- 03.8511.M5

L: 2500 mm
- 03.8514.GN
- 03.8514.18
- 03.8514.14
- 03.8514.GO
- 03.8514.M5

L: 3000 mm
- 03.8512.GN
- 03.8512.18
- 03.8512.14
- 03.8512.GO
- 03.8512.M5



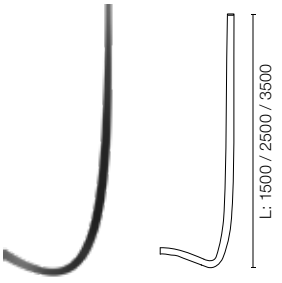
Stromschleife, 48 V.

48-V power loop.

L: 1500 mm
- 03.8520.GN
- 03.8520.18
- 03.8520.14
- 03.8520.GO
- 03.8520.M5

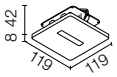
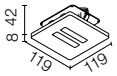
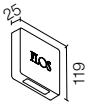
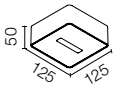
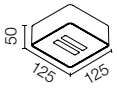
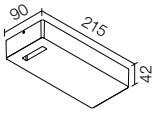
L: 2500 mm
- 03.8521.GN
- 03.8521.18
- 03.8521.14
- 03.8521.GO
- 03.8521.M5

L: 3500 mm
- 03.8522.GN
- 03.8522.18
- 03.8522.14
- 03.8522.GO
- 03.8522.M5

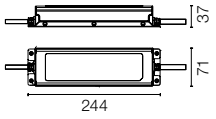
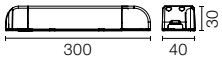


Suspension Strap (mm)	Power Loop (mm)
1000	1500
1500	2500
2000	
2500	3500
3000	

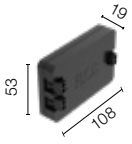
Zubehör / Accessories

Individuelles Deckennetzteil. Treiber nicht enthalten.	Individual ceiling feed box. Driver not included.			08.0180.00
Doppeltes Deckennetzteil. Treiber nicht enthalten.	Double ceiling feed box. Driver not included.			08.0181.00
Individuelles Wandnetzteil. Parallel zum Profil zu installieren. Treiber nicht enthalten.	Wall mounted feed box. To be install in parallel to the Belt profile. Driver not included.			08.0182.00
Individueller Oberflächeneinspeisekasten. Treiber nicht enthalten.	Individual surface feed box. Driver not included.			08.0194.00
Doppelter Oberflächeneinlaufkasten. Treiber nicht enthalten.	Double surface feed box. Driver not included.			08.0195.00
Oberflächen-Treiberbox 96W - 48V, 110-240V.	Surface driver box 96W - 48V, 110-240V.			06.0173.14

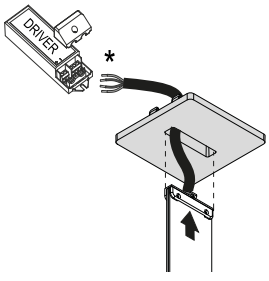
Treiber / Drivers

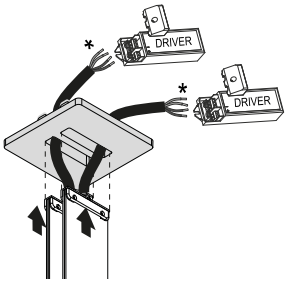
LED-Netzteil für Ferninstallation 110Vac-135W / 220Vac-200W.	LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.			*60.9607
LED-Netzteil für Ferninstallation 48V/120W. 220/240 Vac.	LED power supply source for remote installation, 48V/120W. 220/240 Vac.			*60.9170

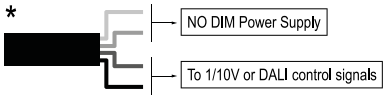
Steuereinheit / Control Units

Drahtlose Dimmerbrücke. Von 1-10V bis Casambi. Zur Remote-Installation. Siehe Produktspezifikationen im Flos Control-Handbuch. Akkreditiert als Aktuar als Lutron-Amerikaner bei Casambi.	Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.			DIM 1-10V >> Casambi 08.0824.14

Remote Driver Installations







* Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

Profiles
■ 14 Schwarz
14 Black

□ 40 Weiss
40 White

INFRA-STRUCTURE

Produktbeschreibung
Innovatives Beleuchtungssystem, das von Vincent Van Duysen zur oberflächlichen Installation an der Decke mittels starren und verstellbaren Stangen entworfen wurde.
Bei dieser überarbeiteten Version geht FLOS neben der bekannten Version "On Board Dimmer" einen Schritt weiter und präsentiert sowohl Profile als auch Leuchten, die mit verschiedenen Fernsteuerungssystemen gesteuert werden können: DALI, 1-10V und Casambi.
Beide Konstruktionsprofile werden rohrförmig aus extrudiertem Aluminium in schwarzer oder weißer Farbe hergestellt. Diese sind mit elektrischen Schienen ausgestattet, die mit 48 V versorgt werden.
Die systemgesteuerten Versionen (DALI, 1-10V) sind mit einem Datenbus aus Graphit zur Regulierung ausgestattet. Casambi-Versionen sind mit allen Profilen kompatibel.
Die Leuchten werden mit einem magnetischen Befestigungs- und einem mechanischen Sicherheitssystem montiert.
Die Produktgruppe der Leuchten besteht aus Akzentbeleuchtungseinheiten in unterschiedlicher Optik, Umgebungsbeleuchtungsanlagen mit direktem und indirektem Licht und dekorativen Leuchten mit unverwechselbarem Design von Flos.
Sämtliche Leuchten sind mit eingebautem Potentiometer erhältlich, dimmbar mit DALI oder 1-10V zur Regulierung der Lichtstärke, und bei der Casambi-Version für eine kabellose Regulierung.

Steuerung
- Für Leuchtenmontagen mit Dimmer "On Board Dimmer" und FLOS-Steuerung ist das Profil in der Version "On Board Dimmer" zu verwenden.
DALI- und 1-10V-Leuchten sind nur mit den Profilversionen DALI und 1-10V kompatibel.
Casambi-Leuchten sind mit allen Profilen kompatibel.
- Für die Steuerung mittels DALI-Protokoll muss der Steuerdatenbus direkt mit dem Profil verbunden werden.
- Für die Steuerung mittels 1-10V muss das Steuerungssystem aktiviert sein und der Steuerdatenbus muss direkt mit dem Profil verbunden werden.
In diesem Fall erfolgt das Dimmen bei allen verbundenen Leuchten einheitlich.
- Für die Steuerung mittels Casambi (max. 200 Leuchten) müssen Casambi-Leuchten bestellt werden, diese sind mit allen für das System verfügbaren Profilen kompatibel.
Für Mobilgeräte ist die App FLOS Control® powered by Casambi erforderlich (erhältlich im Apple Store und auf Google Play).
Maximale Anzahl der Schienenverbindungen, um die Signalübermittlung von DALI oder 1-10V zu gewährleisten: 20 Verbindungen.

Optisches System
- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: diffuses indirektes Raumlicht.
- Spot 50: Medium.
- Spot 90: Spot, Medium.
- Spot 120 Power LED (Gleiche Lichtquelle der Spot 50 und Spot 90): Spot, Medium.
- Spot 120 LED Array (Gleiche Lichtquelle des Spot 150): Medium, Flood.
- Spot 150: Spot, Medium, Flood.
- Light Shadow Spot 30: Spot, Medium, Flood, Wide Flood.
- Light Shadow Spot 45: Spot, Medium, Flood.
- Light Shadow Spot 60: Super Spot, Spot, Medium, Flood, Wide Flood.
- Multi Spot Mini: Spot, Medium, Flood.

Einspeisung
Fern-Netzteil 48V nicht enthalten. Max 6A - 320W.

Zubehör
Für die Beleuchtungsmodule Spot und Light Shadow Spot gibt es Zubehör für die Abschirmung (Honeycomb und Abschirmzylinder) sowie Farbtemperaturkorrekturfilter. Verfügbarkeit je nach Modell überprüfen.

Zusatzinformationen
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Groundbreaking lighting system designed by Vincent Van Duysen for surface installation on ceiling with rigid and adjustable rods.
In the new proposal, beside the successful “On Board Dimmer” version, FLOS goes one step beyond, launching both track and luminaries designed for system management in a variety of options: DALI, 1-10V and Casambi.
Both profile version are manufactured with aluminium profiling extruded in white or black, provided with electric tracks powered at 48V.
The system controlled versions (DALI, 1-10V) are also equipped with graphite data bus for regulation.
The LED light fixtures are installed by means of a magnetic fixture system with mechanical safety fastening.
The light fixtures product group is composed of accent lighting modules with different optics, direct and indirect light ambient lighting systems and decorative light fixtures with the distinctive Flos design.
All light fixtures are available with potentiometer incorporated, dimmable DALI, 1-10V and Casambi to adjust the light intensity.

Control
- For installation of “On Board Dimmer” fixtures use “On Board Dimmer” track version.
Luminaries DALI and 1-10V are only compatible with track DALI and 1-10V.
Casambi luminaires can be installed on all profiles available in the system.
- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- For 1-10V management, the control system must be active and the data bus must be connected directly to the profile. In this case, regulation will be uniform in all the connected luminaires.
- For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version, these are compatible with all profiles available in the system.
For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play).
Maximum number of track interconnections to guarantee the communication of the DALI or 1-10V signal: 20 interconnections.

Optic system
- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: diffuse ambient light.
- Spot 50: Medium.
- Spot 90: Spot, Medium.
- Spot 120 Power LED (same light source as the Spot 50 and Spot 90): Spot, Medium.
- Spot 120 LED Array (same light source as the Spot 150): Medium, Flood.
- Spot 150: Spot, Medium, Flood.
- Light Shadow Spot 30: Spot, Medium, Flood, Wide Flood.
- Light Shadow Spot 45: Spot, Medium, Flood.
- Light Shadow Spot 60: Super Spot, Spot, Medium, Flood, Wide Flood.
- Multi Spot Mini: Spot, Medium, Flood.

Power Supply
Remote 48V power supply not included. Max 6A - 320W.

Accessories
For Spot and Light Shadow Spot lighting modules, shielding accessories (honeycomb and crossheads) and color temperature correction filters are available. Please check model availability.

Additional Information
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

LIGHT MODULES

LIGHT TUBE DIRECT-INDIRECT

LIGHT SOURCE
TOP LED
23W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

SPOT 50

LIGHT SOURCE
POWER LED
3,5W
286 lm
2700K/CRI 90
307 lm
3000K/CRI 90

SPOT 90

LIGHT SOURCE
POWER LED
8,5W
610 lm
2700K/CRI 90
656 lm
3000K/CRI 90

SPOT 120

LIGHT SOURCE
POWER LED
12W
724 lm
2700K/CRI 90
779 lm
3000K/CRI 90

SPOT 120

LIGHT SOURCE
LED ARRAY
12,5W
1075 lm
2700K/CRI 90
1138 lm
3000K/CRI 90

SPOT 150

LIGHT SOURCE
LED ARRAY
22,5W
2411 lm
2700K/CRI 90
2569 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4,5W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
10W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 60

LIGHT SOURCE
LED ARRAY
Up to 20W
Up to 1563 lm
2700K/CRI 90
Up to 1751 lm
3000K/CRI 90

SUSPENSION PANEL 600

LIGHT SOURCE
TOP LED
25,6W
3332 lm
2700K/CRI 90
3540 lm
3000K/CRI 90

SUSPENSION GLASS DOWNLIGHT 110

LIGHT SOURCE
LED ARRAY
13,5W
1296 lm
2700K/CRI 90
1371 lm
3000K/CRI 90

MULTI SPOT MINI

LIGHT SOURCE
TOP LED
7,5W
635 lm
2700K/CRI 90
650 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE

FLOS CONTROL®
by Casambi

Light Tube

40 Weiss
40 White

14 Schwarz
14 Black

Spot

40 Weiss
40 White

05 Polished Aluminium
05 Polished Aluminium

14 Schwarz
14 Black

Light Shadow Spot

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Suspension Glass Downlight 110

00 Transparentes Glas
00 Transparent Glass

FU Rauchglas
FU Smoked Glass

RC Rotes Glas
RC Red Glass

Suspension Panel

14 Schwarz
14 Black

Multi Spot Mini

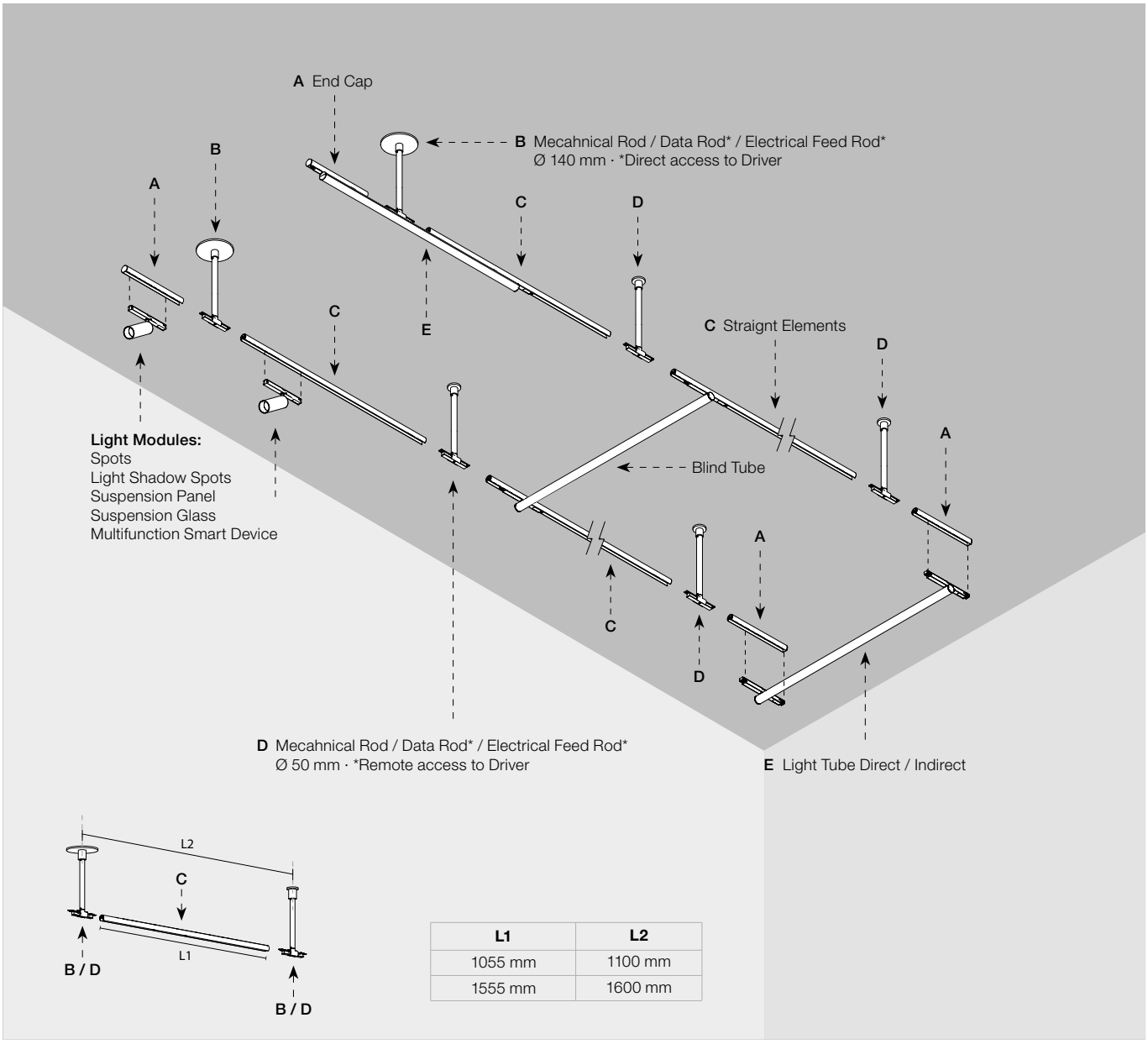
40 Weiss
40 White

14 Schwarz
14 Black

Multifunction Smart Device

40 Weiss
40 White

14 Schwarz
14 Black



L1	L2
1055 mm	1100 mm
1555 mm	1600 mm

Profile

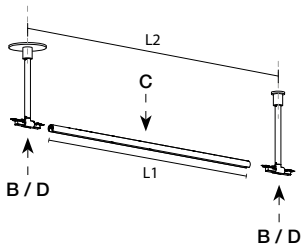
Rohrförmiges elektromagnetisches Profil für den Deckenaufbau mit starren und regulierbaren Stangen (25 mm). Starre, nicht regulierbare Stangen auf Anfrage erhältlich.
Profile und Endelemente sind in Versionen erhältlich, die mit den "On Board Dimmer" Leuchten und mit den systemgesteuerten (DALI, 1-10V, FLOS Control® by Casambi) Leuchten kompatibel sind.
Rohrprofile sind in zwei Längen verfügbar: 1055 mm (ergibt einen 1100 mm Abstand zwischen den Stangen) und 1555 mm (ergibt 1600 mm Abstand zwischen den Stangen).
Die Endelemente werden ebenfalls eingespeist und müssen separat bestellt werden.
Alle mechanischen und elektrischen Stangen sind für beide Versionen gleich und in verschiedenen Höhen erhältlich (100, 300, 400, 700 mm).
Verschiedene Ausführungen der Befestigungsstangen:
• Mechanische Stange mit Ø50 oder Ø140 Rosette : dient zur Befestigung von Profilen.
• Stromeinspeisungsstange mit Ø50 Rosette: Einspeisungsstange für den Einbau einer externen Versorgung an einer zugänglichen Stelle.
• Stromeinspeisungsstange mit Ø140 Rosette: Einspeisungsstange für den Einbau einer externen Versorgung an einer zugänglichen Stelle.
• Dateneinspeisungsstange mit Ø50 oder Ø140 Rosette: für den Anschluss an einen DALI oder 1-10V Bus.
• Aluminiumschablone zur Markierung der Befestigungspunkte für die Installation der Stangen separat erhältlich.

Profiles

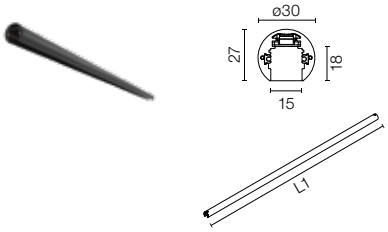
Tubular electromagnetic profile for surface installation in ceilings through rigid and adjustable rods (25 mm). Not adjustable rigid rods available on request.
Profiles and closure terminals are available in version compatible with luminaries "on board dimmer" and versions compatible with system controlled luminaries (DALI, 1-10V, FLOS Control® by Casambi).
Tubular profiles available in two lengths: 1055 mm (1100 mm separation between rods) and 1555 mm (1600 mm separation between rods).
The closure terminals will also be electrified and must be ordered separately.
Mechanical and electrical rods are the same for the two profile versions and they are all available in multiple lengths (100, 300, 400, 700mm).
Different versions of fastening rods:
• Mechanic rod with a Ø50 or Ø140 connection rose: to fasten profiles.
• Electrical rod with a Ø50 connection rose: a supply rod for remote installation of the power supply in an accessible place.
• Electrical rod with a Ø140 connection rose: a supply rod for remote installation of the power supply through the connection rose.
• Data connection rod with a Ø50 or Ø140 connection rose: for connection to DALI or 1-10V bus signal.
• Aluminium stencil to mark the points for installing the rods available as separate item.

C Gerade elemente.

C Straight elements.



L1	L2
1055 mm	1100 mm
1555 mm	1600 mm

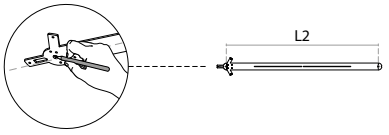


On board dimmer / Casambi
L1: 1055 mm
06.5140.40
06.5140.14
L1: 1555 mm
06.5141.40
06.5141.14

DALI / 1-10V / Casambi
L1: 1055 mm
06.5100.40
06.5100.14
L1: 1555 mm
06.5101.40
06.5101.14

Montageschablone aus Aluminium

Aluminium Installation Stencil



L2: 1100 mm
08.0032.00
L2: 1600 mm
08.0033.00

A Endkappe.

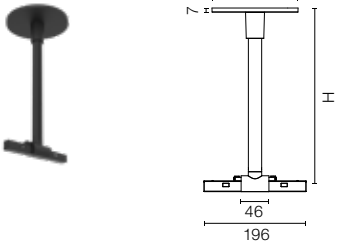
A End cap.

On board dimmer / Casambi
06.5142.40A
06.5142.14A

DALI / 1-10V / Casambi
06.5135.40A
06.5135.14A

B Stange mit mechanik rosette ø140 mm.
Einstellbar auf 25 mm, geeignet für unebene Dächer.

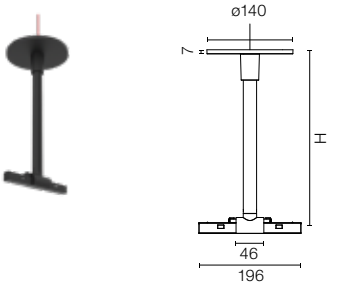
B Mechanical rod rose ø140 mm.
Adjustable 25 mm, to adapt it to irregular ceilings.



H: 100 mm
06.5115.40
06.5115.14
H: 300 mm
06.5116.40
06.5116.14
H: 400 mm
06.5117.40
06.5117.14
H: 700 mm
06.5118.40
06.5118.14

B Stange mit stromeinspeisung rosette ø140 mm.
Einstellbar auf 25 mm, geeignet für unebene Dächer.

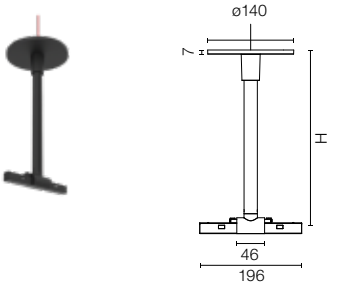
B Electrical feed rod rose ø140 mm.
Adjustable 25 mm, to adapt it to irregular ceilings.



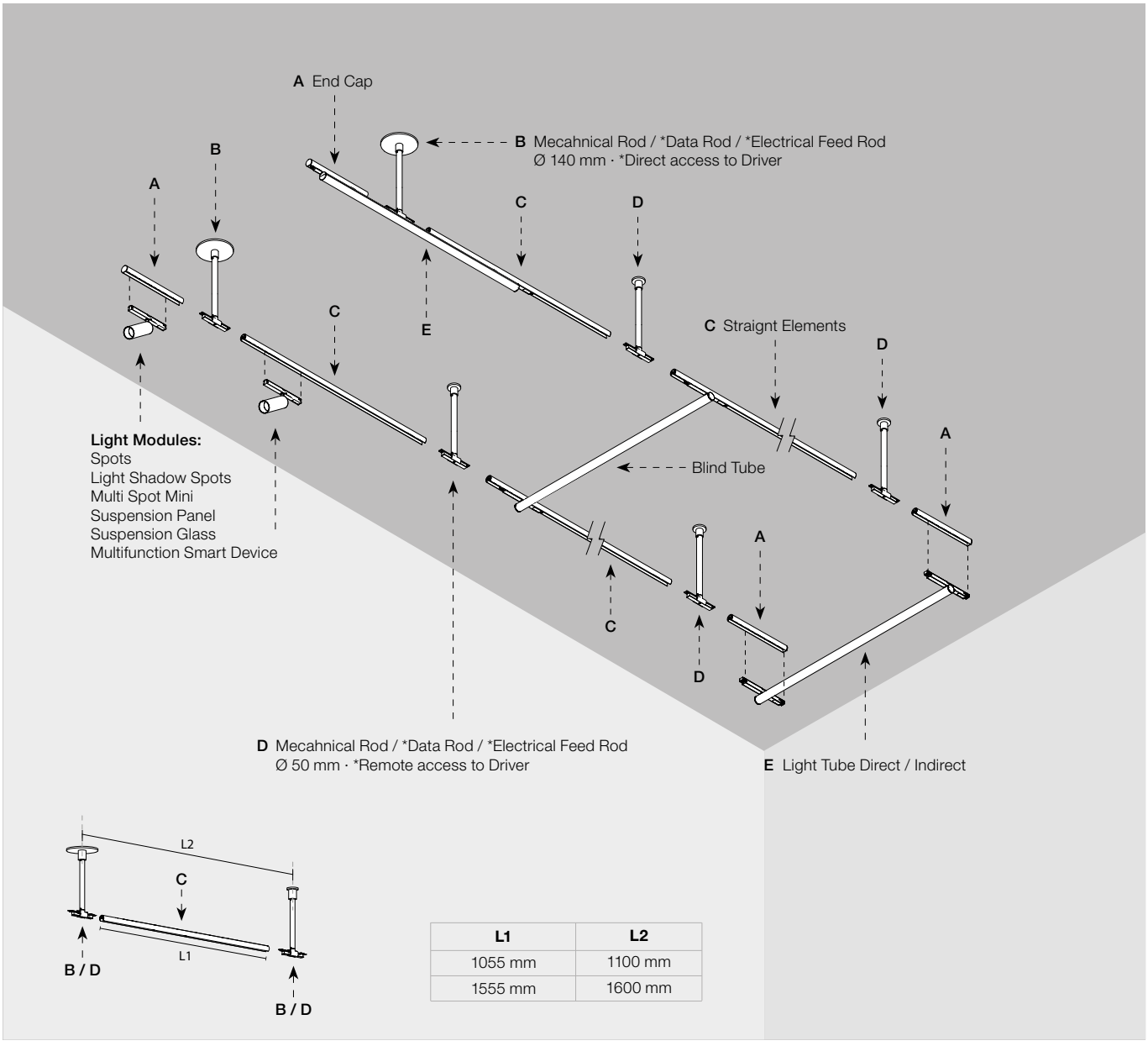
H: 100 mm
06.5125.40
06.5125.14
H: 300 mm
06.5126.40
06.5126.14
H: 400 mm
06.5127.40
06.5127.14
H: 700 mm
06.5128.40
06.5128.14

B Dateneinspeisungsstange mit ø140 mm Rosette.
Es braucht eine pro Installationslinie, für den Anschluss an einen DALI oder 1-10V Bus.
Einstellbar auf 25 mm, geeignet für unebene Dächer.

B Data connection rod rose ø140mm.
Use one for each line of the installation, for connection to DALI or 1-10V signal source.
Adjustable 25 mm, to adapt it to irregular ceilings.



H: 100 mm
06.5155.40
06.5155.14
H: 300 mm
06.5156.40
06.5156.14
H: 400 mm
06.5157.40
06.5157.14
H: 700 mm
06.5158.40
06.5158.14



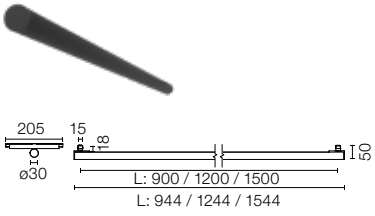
L1	L2
1055 mm	1100 mm
1555 mm	1600 mm

Blindrohr.

Mechanisches Modul (ohne Beleuchtung) zum installieren in dem System Infra-Struktur. Drehbare Befestigungselemente 0°-90°, mit Magnetanschluß und mechanischer Sicherheitsblockierung, zum installieren quer zwischen zwei Profilleitungen.

Blind tube.

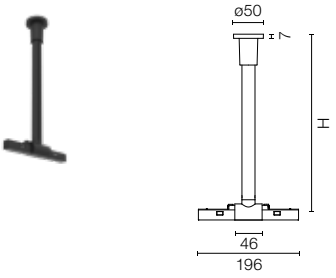
A mechanical module (without lighting) to be installed in the system infrastructure. Fixing components that rotate 0°-90°, with a magnetic connection and a mechanical safety lock. To be installed transversely between two profile lines.



L: 900 mm
03.8120.40
03.8120.14
L: 1200 mm
03.8121.40
03.8121.14
L: 1500 mm
03.8122.40
03.8122.14

D Stange mit mechanik rosette ø50 mm.
Einstellbar auf 25 mm, geeignet für unebene Dächer.

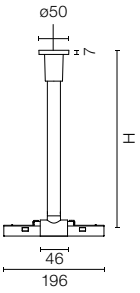
D Mechanical rod rose ø50 mm.
Adjustable 25 mm, to adapt it to irregular ceilings.



H: 100 mm
06.5110.40
06.5110.14
H: 300 mm
06.5111.40
06.5111.14
H: 400 mm
06.5112.40
06.5112.14
H: 700 mm
06.5113.40
06.5113.14

D Stange mit stromeinspeisung rosette ø50 mm.
Einstellbar auf 25 mm, geeignet für unebene Dächer.

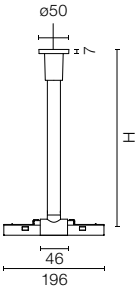
D Electrical feed rod rose ø50 mm.
Adjustable 25 mm, to adapt it to irregular ceilings.



H: 100 mm
06.5120.40
06.5120.14
H: 300 mm
06.5121.40
06.5121.14
H: 400 mm
06.5122.40
06.5122.14
H: 700 mm
06.5123.40
06.5123.14

D Dateneinspeisungsstange mit ø50 mm Rosette.
Es braucht eine pro Installationslinie, für den Anschluss an einen DALI oder 1-10V Bus.
Einstellbar auf 25 mm, geeignet für unebene Dächer.

D Data connection rod rose ø50mm.
Use one for each line of the installation, for connection to DALI or 1-10V signal source.
Adjustable 25 mm, to adapt it to irregular ceilings.

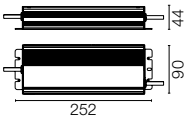


H: 100 mm
06.5150.40
06.5150.14
H: 300 mm
06.5151.40
06.5151.14
H: 400 mm
06.5152.40
06.5152.14
H: 700 mm
06.5153.40
06.5153.14

Treiber / Drivers

LED-Netzteil für Ferninstallation 48V/320W. 100/240 Vac.

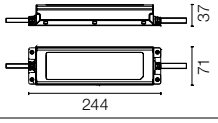
LED power supply source for remote installation, 48V/320W. 100/240 Vac.



*60.8919

LED-Netzteil für Ferninstallation 110Vac-135W / 220Vac-200W.

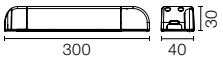
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.



*60.9607

LED-Netzteil für Ferninstallation 48V/120W. 220/240 Vac.

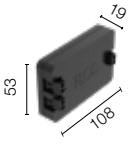
LED power supply source for remote installation, 48V/120W. 220/240 Vac.



*60.9170

Dimmbares Steuergerät 1-10 V, 24/48 V. Für die Ferninstallation. Um passive Systeme (SINK) in aktive (SOURCE) umzuwandeln. Muss zwischen Steuereinheit und Schiene angebracht werden. Wichtiger Hinweis: Höchstens 25 Lichtmodule.

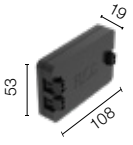
Control dimming box, 1-10V, 24/48V. For remote installation. For transforming passive systems (SINK) into active systems (SOURCE). It must be positioned between the control unit and the track. Important note: Maximum of 25 light modules.



DIM 1-10V - 24/48V
**08.0613.14A

Drahtlose Dimmerbrücke. Von 1-10V bis Casambi. Zur Remote-Installation. Siehe Produktspezifikationen im Flos Control-Handbuch. Akkreditiert als Aktuar als Lutron-Amerikaner bei Casambi.

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

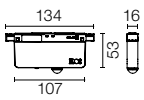


DIM 1-10V >> Casambi
08.0824.14

Zubehör / Accessories

Multifunktionales Smart Device. Dreifachfunktionalität 3x1: Casambi Signalverstärker, Lichtsensor und Präsenzmelder.
FLOS Control® by Casambi.

Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.



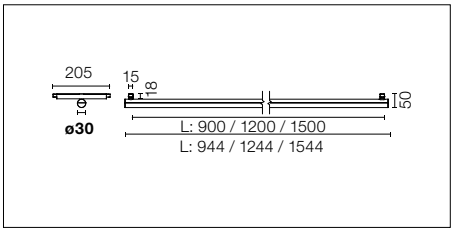
06.1988.40
06.1988.14

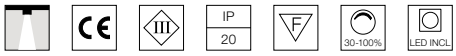
* Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

** Ein aktives Steuerungssystem (SOURCE) ist erforderlich und der Datenbus muss direkt am Profil angeschlossen sein. Für passive Systeme (SINK) ist eine Steuereinheit Dimming BOX erforderlich, die zwischen der Steuereinheit und dem Profil angebracht ist. / An active control system (SOURCE) is required and the data bus must be connected directly to the profile. For passive systems (SINK), a Dimming BOX Control unit is required (located between the control unit and the profile).

Light Tube ø30 Direct

Top LED 23W/m - 1978 lm/m - 2700K/CRI 90 / 23W/m - 2227 lm/m - 3000K/CRI 90



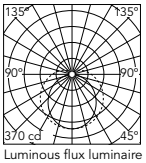


LED-Modul für diffuses Licht zur Installation in das System Infra-Structure.
Befestigungselemente 0 bis 90 Grad drehbar, mit magnetischer Verbindung und mechanischem Sicherheitsbolzen für die Querverbindung zweier Streben.
Die Light Tubes werden nur über ein Ende versorgt und geben über die andere Seite keinen Strom ab.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Diffused LED light module to be installed in The Infra-Structure.
System turning fastening elements 0°-90° with a magnetic connection and mechanic security bock for a transversally installation between two lines of the profile.
The Light Tube are only fed by one od the ends and do not communicate current through the other end.
For wireless lighting control, choose Casambi versions.

2700K
L: 900 mm - 23W - 1820 lm
On board dimmer
03.8100.40A
03.8100.14A
Dali 2
03.8100.40ADA
03.8100.14ADA
1-10V
03.8100.40A1V
03.8100.14A1V
Casambi
03.8100.40ACB
03.8100.14ACB

150°

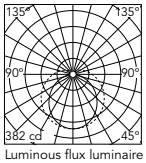


Luminous flux luminaire
1503 lm

Beam Angle:	150°	
h(m)	E(lx)	D(m)
1	370	7.40
2	93	14.80
3	41	22.19
4	23	29.59
5	15	36.99

3000K
L: 900 mm - 23W - 2048 lm
On board dimmer
03.8105.40A
03.8105.14A
Dali 2
03.8105.40ADA
03.8105.14ADA
1-10V
03.8105.40A1V
03.8105.14A1V
Casambi
03.8105.40ACB
03.8105.14ACB

150°

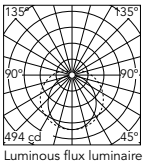


Luminous flux luminaire
1550 lm

Beam Angle:	150°	
h(m)	E(lx)	D(m)
1	382	7.40
2	95	14.80
3	42	22.19
4	24	29.59
5	15	36.99

2700K
L: 1200 mm - 30W - 2366 lm
On board dimmer
03.8101.40A
03.8101.14A
Dali 2
03.8101.40ADA
03.8101.14ADA
1-10V
03.8101.40A1V
03.8101.14A1V
Casambi
03.8101.40ACB
03.8101.14ACB

150°

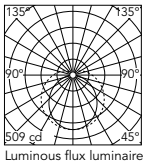


Luminous flux luminaire
2005 lm

Beam Angle:	150°	
h(m)	E(lx)	D(m)
1	494	7.40
2	123	14.80
3	55	22.19
4	31	29.59
5	20	36.99

3000K
L: 1200 mm - 30W - 2663 lm
On board dimmer
03.8106.40A
03.8106.14A
Dali 2
03.8106.40ADA
03.8106.14ADA
1-10V
03.8106.40A1V
03.8106.14A1V
Casambi
03.8106.40ACB
03.8106.14ACB

150°

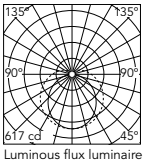


Luminous flux luminaire
2068 lm

Beam Angle:	150°	
h(m)	E(lx)	D(m)
1	509	7.40
2	127	14.80
3	57	22.19
4	32	29.59
5	20	36.99

2700K
L: 1500 mm - 38W - 2912 lm
On board dimmer
03.8102.40A
03.8102.14A
Dali 2
03.8102.40ADA
03.8102.14ADA
1-10V
03.8102.40A1V
03.8102.14A1V
Casambi
03.8102.40ACB
03.8102.14ACB

150°

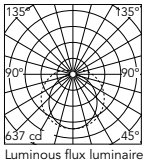


Luminous flux luminaire
2506 lm

Beam Angle:	150°	
h(m)	E(lx)	D(m)
1	617	7.40
2	154	14.80
3	69	22.19
4	39	29.59
5	25	36.99

3000K
L: 1500 mm - 38W - 3278 lm
On board dimmer
03.8107.40A
03.8107.14A
Dali 2
03.8107.40ADA
03.8107.14ADA
1-10V
03.8107.40A1V
03.8107.14A1V
Casambi
03.8107.40ACB
03.8107.14ACB

150°

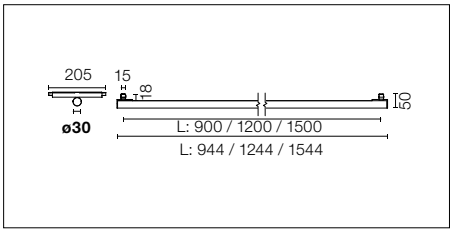


Luminous flux luminaire
2584 lm

Beam Angle:	150°	
h(m)	E(lx)	D(m)
1	636	7.40
2	159	14.80
3	71	22.19
4	40	29.59
5	25	36.99

Light Tube ø30 Indirect

Top LED 23W/m - 1978 lm/m - 2700K/CRI 90 / 23W/m - 2227 lm/m - 3000K/CRI 90



LED-Modul für diffuses Licht zur Installation in das System Infra-Structure.
Befestigungselemente 0 bis 90 Grad drehbar, mit magnetischer Verbindung und mechanischem Sicherheitsbolzen für die Querverbindung zweier Streben.
Die Light Tubes werden nur über ein Ende versorgt und geben über die andere Seite keinen Strom ab.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

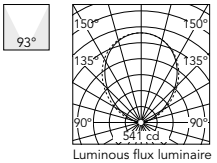
Diffused LED light module to be installed in The Infra-Structure.
System turning fastening elements 0°-90° with a magnetic connection and mechanic security bock for a transversally installation between two lines of the profile.
The Light Tube are only fed by one od the ends and do not communicate current through the other end.
For wireless lighting control, choose Casambi versions.

2700K
L: 900 mm - 23W - 1820 lm
On board dimmer
- ☐ 03.8110.40A
- ■ 03.8110.14A

Dali 2
- ☐ 03.8110.40ADA
- ■ 03.8110.14ADA

1-10V
- ☐ 03.8110.40A1V
- ■ 03.8110.14A1V

Casambi
- ☐ 03.8110.40ACB
- ■ 03.8110.14ACB



Luminous flux luminaire 1260 lm

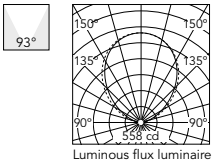
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	541	2.10
2	135	4.20
3	60	6.30
4	34	8.40
5	22	10.51

3000K
L: 900 mm - 23W - 2048 lm
On board dimmer
- ☐ 03.8115.40A
- ■ 03.8115.14A

Dali 2
- ☐ 03.8115.40ADA
- ■ 03.8115.14ADA

1-10V
- ☐ 03.8115.40A1V
- ■ 03.8115.14A1V

Casambi
- ☐ 03.8115.40ACB
- ■ 03.8115.14ACB



Luminous flux luminaire 1299 lm

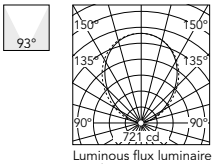
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	558	2.10
2	139	4.20
3	62	6.30
4	35	8.40
5	22	10.51

2700K
L: 1200 mm - 30W - 2366 lm
On board dimmer
- ☐ 03.8111.40A
- ■ 03.8111.14A

Dali 2
- ☐ 03.8111.40ADA
- ■ 03.8111.14ADA

1-10V
- ☐ 03.8111.40A1V
- ■ 03.8111.14A1V

Casambi
- ☐ 03.8111.40ACB
- ■ 03.8111.14ACB



Luminous flux luminaire 1679 lm

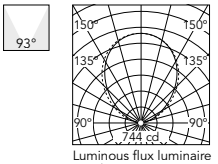
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	721	2.10
2	180	4.20
3	80	6.30
4	45	8.40
5	29	10.51

3000K
L: 1200 mm - 30W - 2663 lm
On board dimmer
- ☐ 03.8116.40A
- ■ 03.8116.14A

Dali 2
- ☐ 03.8116.40ADA
- ■ 03.8116.14ADA

1-10V
- ☐ 03.8116.40A1V
- ■ 03.8116.14A1V

Casambi
- ☐ 03.8116.40ACB
- ■ 03.8116.14ACB



Luminous flux luminaire 1732 lm

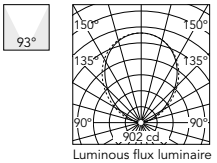
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	744	2.10
2	186	4.20
3	83	6.30
4	46	8.40
5	30	10.51

2700K
L: 1500 mm - 38W - 2912 lm
On board dimmer
- ☐ 03.8112.40A
- ■ 03.8112.14A

Dali 2
- ☐ 03.8112.40ADA
- ■ 03.8112.14ADA

1-10V
- ☐ 03.8112.40A1V
- ■ 03.8112.14A1V

Casambi
- ☐ 03.8112.40ACB
- ■ 03.8112.14ACB



Luminous flux luminaire 2099 lm

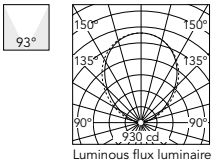
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	902	2.10
2	225	4.20
3	100	6.30
4	56	8.40
5	36	10.51

3000K
L: 1500 mm - 38W - 3278 lm
On board dimmer
- ☐ 03.8117.40A
- ■ 03.8117.14A

Dali 2
- ☐ 03.8117.40ADA
- ■ 03.8117.14ADA

1-10V
- ☐ 03.8117.40A1V
- ■ 03.8117.14A1V

Casambi
- ☐ 03.8117.40ACB
- ■ 03.8117.14ACB

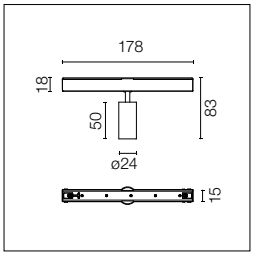


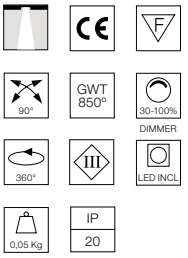
Luminous flux luminaire 2164 lm

Beam Angle:		93°
h(m)	E(lx)	D(m)
1	929	2.10
2	232	4.20
3	103	6.30
4	58	8.40
5	37	10.51

Spot 50

Power LED 3,5W - 286 lm - 2700K/CRI 90 / 3,5W - 307 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System Infra-Structure.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

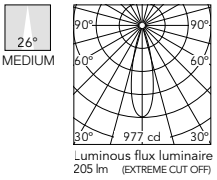
2700K

On board dimmer
- 03.8032.40A
- 03.8032.05B
- 03.8032.14A

Dali 2
- 03.8032.40ADA
- 03.8032.05BDA
- 03.8032.14ADA

1-10V
- 03.8032.40A1V
- 03.8032.05B1V
- 03.8032.14A1V

Casambi
- 03.8032.40ACB
- 03.8032.05BCB
- 03.8032.14ACB



Luminous flux luminaire
205 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	977	0.47
2	244	0.94
3	109	1.41
4	61	1.88
5	39	2.35

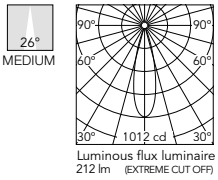
3000K

On board dimmer
- 03.8033.40A
- 03.8033.05B
- 03.8033.14A

Dali 2
- 03.8033.40ADA
- 03.8033.05BDA
- 03.8033.14ADA

1-10V
- 03.8033.40A1V
- 03.8033.05B1V
- 03.8033.14A1V

Casambi
- 03.8033.40ACB
- 03.8033.05BCB
- 03.8033.14ACB



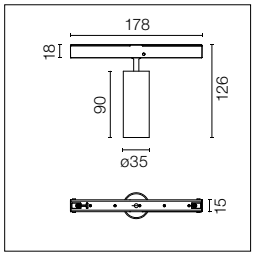
Luminous flux luminaire
212 lm (EXTREME CUT OFF)

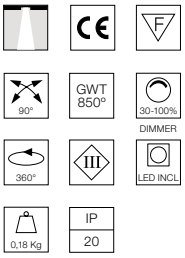
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1012	0.47
2	253	0.94
3	112	1.41
4	63	1.88
5	40	2.35

Spot 90

Power LED 8,5W - 610 lm - 2700K/CRI 90 / 8,5W - 656 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System Infra-Structure.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

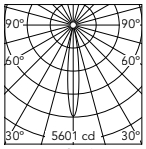
2700K
On board dimmer
- 03.8042.40A
- 03.8042.05B
- 03.8042.14A

Dali 2
- 03.8042.40ADA
- 03.8042.05BDA
- 03.8042.14ADA

1-10V
- 03.8042.40A1V
- 03.8042.05B1V
- 03.8042.14A1V

Casambi
- 03.8042.40ACB
- 03.8042.05BCB
- 03.8042.14ACB

14°
SPOT



Luminous flux luminaire
428 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5601	0.25
2	1400	0.49
3	622	0.74
4	350	0.98
5	224	1.23

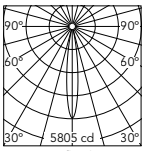
3000K
On board dimmer
- 03.8043.40A
- 03.8043.05B
- 03.8043.14A

Dali 2
- 03.8043.40ADA
- 03.8043.05BDA
- 03.8043.14ADA

1-10V
- 03.8043.40A1V
- 03.8043.05B1V
- 03.8043.14A1V

Casambi
- 03.8043.40ACB
- 03.8043.05BCB
- 03.8043.14ACB

14°
SPOT



Luminous flux luminaire
443 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5805	0.25
2	1451	0.49
3	645	0.74
4	363	0.98
5	232	1.23

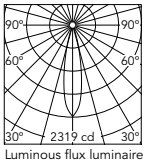
2700K
On board dimmer
- 03.8044.40A
- 03.8044.05B
- 03.8044.14A

Dali 2
- 03.8044.40ADA
- 03.8044.05BDA
- 03.8044.14ADA

1-10V
- 03.8044.40A1V
- 03.8044.05B1V
- 03.8044.14A1V

Casambi
- 03.8044.40ACB
- 03.8044.05BCB
- 03.8044.14ACB

22°
MEDIUM



Luminous flux luminaire
392 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2319	0.38
2	580	0.77
3	258	1.15
4	145	1.54
5	93	1.92

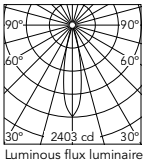
3000K
On board dimmer
- 03.8045.40A
- 03.8045.05B
- 03.8045.14A

Dali 2
- 03.8045.40ADA
- 03.8045.05BDA
- 03.8045.14ADA

1-10V
- 03.8045.40A1V
- 03.8045.05B1V
- 03.8045.14A1V

Casambi
- 03.8045.40ACB
- 03.8045.05BCB
- 03.8045.14ACB

22°
MEDIUM



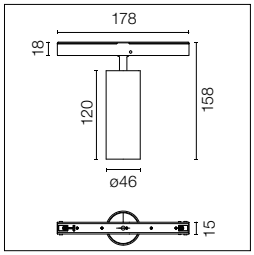
Luminous flux luminaire
406 lm (EXTREME CUT OFF)

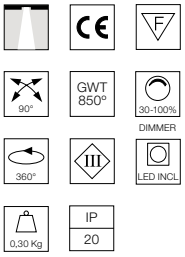
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2403	0.38
2	601	0.77
3	267	1.15
4	150	1.54
5	96	1.92

Spot 120

Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System Infra-Structure.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

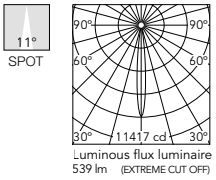
Accessories included (honeycomb and screening crosspiece).

2700K
On board dimmer
- 03.8052.40A
- 03.8052.05B
- 03.8052.14A

Dali 2
- 03.8052.40ADA
- 03.8052.05BDA
- 03.8052.14ADA

1-10V
- 03.8052.40A1V
- 03.8052.05B1V
- 03.8052.14A1V

Casambi
- 03.8052.40ACB
- 03.8052.05BCB
- 03.8052.14ACB



Luminous flux luminaire 539 lm (EXTREME CUT OFF)

Beam Angle: 11°

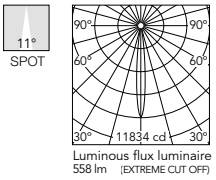
h(m)	E(lx)	D(m)
1	11417	0.19
2	2854	0.37
3	1269	0.56
4	714	0.75
5	457	0.93

3000K
On board dimmer
- 03.8053.40A
- 03.8053.05B
- 03.8053.14A

Dali 2
- 03.8053.40ADA
- 03.8053.05BDA
- 03.8053.14ADA

1-10V
- 03.8053.40A1V
- 03.8053.05B1V
- 03.8053.14A1V

Casambi
- 03.8053.40ACB
- 03.8053.05BCB
- 03.8053.14ACB



Luminous flux luminaire 558 lm (EXTREME CUT OFF)

Beam Angle: 11°

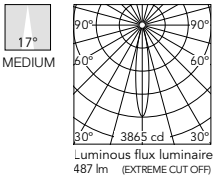
h(m)	E(lx)	D(m)
1	11834	0.19
2	2958	0.37
3	1315	0.56
4	740	0.75
5	473	0.93

2700K
On board dimmer
- 03.8054.40A
- 03.8054.05B
- 03.8054.14A

Dali 2
- 03.8054.40ADA
- 03.8054.05BDA
- 03.8054.14ADA

1-10V
- 03.8054.40A1V
- 03.8054.05B1V
- 03.8054.14A1V

Casambi
- 03.8054.40ACB
- 03.8054.05BCB
- 03.8054.14ACB



Luminous flux luminaire 487 lm (EXTREME CUT OFF)

Beam Angle: 17°

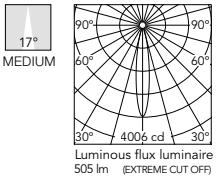
h(m)	E(lx)	D(m)
1	3865	0.29
2	966	0.59
3	429	0.88
4	242	1.18
5	155	1.47

3000K
On board dimmer
- 03.8055.40A
- 03.8055.05B
- 03.8055.14A

Dali 2
- 03.8055.40ADA
- 03.8055.05BDA
- 03.8055.14ADA

1-10V
- 03.8055.40A1V
- 03.8055.05B1V
- 03.8055.14A1V

Casambi
- 03.8055.40ACB
- 03.8055.05BCB
- 03.8055.14ACB



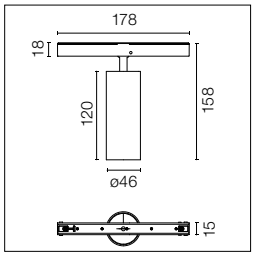
Luminous flux luminaire 505 lm (EXTREME CUT OFF)

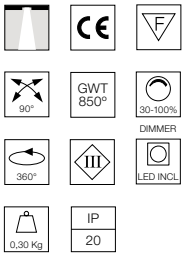
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4006	0.29
2	1001	0.59
3	445	0.88
4	250	1.18
5	160	1.47

Spot 120

LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System Infra-Structure.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

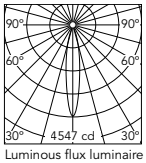
2700K
On board dimmer
- 03.8154.40
- 03.8154.05A
- 03.8154.14

Dali 2
- 03.8154.40.DA
- 03.8154.05ADA
- 03.8154.14.DA

1-10V
- 03.8154.40.1V
- 03.8154.05A1V
- 03.8154.14.1V

Casambi
- 03.8154.40.CB
- 03.8154.05ACB
- 03.8154.14.CB

17° MEDIUM



Luminous flux luminaire 654 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4547	0.31
2	1137	0.61
3	505	0.92
4	284	1.23
5	182	1.53

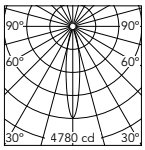
3000K
On board dimmer
- 03.8155.40
- 03.8155.05A
- 03.8155.14

Dali 2
- 03.8155.40.DA
- 03.8155.05ADA
- 03.8155.14.DA

1-10V
- 03.8155.40.1V
- 03.8155.05A1V
- 03.8155.14.1V

Casambi
- 03.8155.40.CB
- 03.8155.05ACB
- 03.8155.14.CB

17° MEDIUM



Luminous flux luminaire 687 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4780	0.31
2	1195	0.61
3	531	0.92
4	299	1.23
5	191	1.53

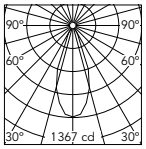
2700K
On board dimmer
- 03.8156.40
- 03.8156.05A
- 03.8156.14

Dali 2
- 03.8156.40.DA
- 03.8156.05ADA
- 03.8156.14.DA

1-10V
- 03.8156.40.1V
- 03.8156.05A1V
- 03.8156.14.1V

Casambi
- 03.8156.40.CB
- 03.8156.05ACB
- 03.8156.14.CB

40° FLOOD



Luminous flux luminaire 599 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1367	0.73
2	342	1.45
3	152	2.18
4	85	2.91
5	55	3.64

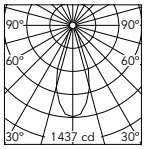
3000K
On board dimmer
- 03.8157.40
- 03.8157.05A
- 03.8157.14

Dali 2
- 03.8157.40.DA
- 03.8157.05ADA
- 03.8157.14.DA

1-10V
- 03.8157.40.1V
- 03.8157.05A1V
- 03.8157.14.1V

Casambi
- 03.8157.40.CB
- 03.8157.05ACB
- 03.8157.14.CB

40° FLOOD



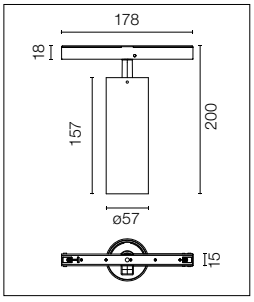
Luminous flux luminaire 629 lm

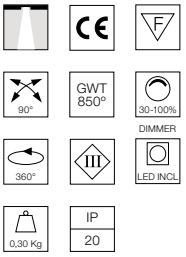
Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1437	0.73
2	359	1.45
3	160	2.18
4	90	2.91
5	57	3.64

Spot 150

LED Array 22,5W - 2411 lm - 2700K/CRI 90 / 22,5W - 2569 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System Infra-Structure.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

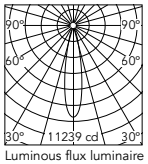
2700K
On board dimmer
- 03.8072.40A
- 03.8072.05B
- 03.8072.14A

Dali 2
- 03.8072.40ADA
- 03.8072.05BDA
- 03.8072.14ADA

1-10V
- 03.8072.40A1V
- 03.8072.05B1V
- 03.8072.14A1V

Casambi
- 03.8072.40ACB
- 03.8072.05BCB
- 03.8072.14ACB

21° SPOT



Luminous flux luminaire
1818 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11239	0.37
2	2810	0.74
3	1249	1.11
4	702	1.48
5	450	1.85

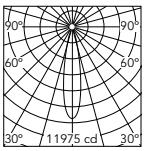
3000K
On board dimmer
- 03.8073.40A
- 03.8073.05B
- 03.8073.14A

Dali 2
- 03.8073.40ADA
- 03.8073.05BDA
- 03.8073.14ADA

1-10V
- 03.8073.40A1V
- 03.8073.05B1V
- 03.8073.14A1V

Casambi
- 03.8073.40ACB
- 03.8073.05BCB
- 03.8073.14ACB

21° SPOT



Luminous flux luminaire
1937 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11975	0.37
2	2994	0.74
3	1331	1.11
4	748	1.48
5	479	1.85

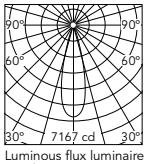
2700K
On board dimmer
- 03.8074.40A
- 03.8074.05B
- 03.8074.14A

Dali 2
- 03.8074.40ADA
- 03.8074.05BDA
- 03.8074.14ADA

1-10V
- 03.8074.40A1V
- 03.8074.05B1V
- 03.8074.14A1V

Casambi
- 03.8074.40ACB
- 03.8074.05BCB
- 03.8074.14ACB

27° MEDIUM



Luminous flux luminaire
1564 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7167	0.49
2	1792	0.98
3	796	1.47
4	448	1.96
5	287	2.44

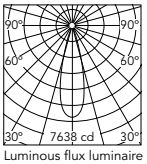
3000K
On board dimmer
- 03.8075.40A
- 03.8075.05B
- 03.8075.14A

Dali 2
- 03.8075.40ADA
- 03.8075.05BDA
- 03.8075.14ADA

1-10V
- 03.8075.40A1V
- 03.8075.05B1V
- 03.8075.14A1V

Casambi
- 03.8075.40ACB
- 03.8075.05BCB
- 03.8075.14ACB

27° MEDIUM



Luminous flux luminaire
1667 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7638	0.49
2	1910	0.98
3	849	1.47
4	477	1.96
5	306	2.44

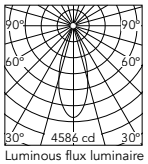
2700K
On board dimmer
- 03.8076.40A
- 03.8076.05B
- 03.8076.14A

Dali 2
- 03.8076.40ADA
- 03.8076.05BDA
- 03.8076.14ADA

1-10V
- 03.8076.40A1V
- 03.8076.05B1V
- 03.8076.14A1V

Casambi
- 03.8076.40ACB
- 03.8076.05BCB
- 03.8076.14ACB

36° FLOOD



Luminous flux luminaire
1569 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4586	0.64
2	1146	1.28
3	510	1.92
4	287	2.56
5	183	3.20

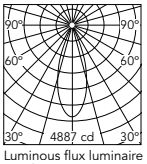
3000K
On board dimmer
- 03.8077.40A
- 03.8077.05B
- 03.8077.14A

Dali 2
- 03.8077.40ADA
- 03.8077.05BDA
- 03.8077.14ADA

1-10V
- 03.8077.40A1V
- 03.8077.05B1V
- 03.8077.14A1V

Casambi
- 03.8077.40ACB
- 03.8077.05BCB
- 03.8077.14ACB

36° FLOOD



Luminous flux luminaire
1672 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4887	0.64
2	1222	1.28
3	543	1.92
4	305	2.56
5	195	3.20

Zubehör / Accessories

Spot 150

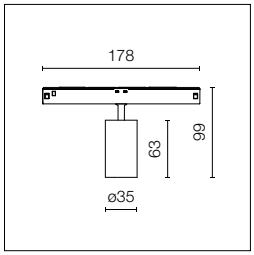
Querabschirmung, Linsen und Honeycomb können ohne Befestigungszubehör direkt in den Leuchtenkopf eingesetzt werden. Honeycomb + Linse können gleichzeitig verwendet werden.

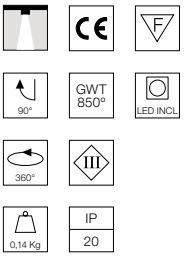
Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Querabschirmung.	Screening crosspiece.		08.8429.00
Elliptische linse.	Elliptical lens.		08.8431.00
Floodlinse.	Flood lens.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Konische abschirmung.	Snoot shielding cone.		08.0526.00 08.0526.40 08.0526.BW

Light Shadow Spot 30

Power LED 4,5W - 257 lm - 2700K/CRI 90 / 4,5W - 263 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System Infra-Structure.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in Infra-Structure system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

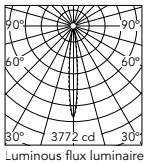
Optic Spot - 2700K

On board dimmer
- 05.9000.40
- 05.9000.14
- 05.9000.ER
- 05.9000.ES
- 05.9000.EQ

Dali 2
- 05.9000.40.DA
- 05.9000.14.DA
- 05.9000.ER.DA
- 05.9000.ES.DA
- 05.9000.EQ.DA

1-10V
- 05.9000.40.1V
- 05.9000.14.1V
- 05.9000.ER.1V
- 05.9000.ES.1V
- 05.9000.EQ.1V

Casambi
- 05.9000.40.CB
- 05.9000.14.CB
- 05.9000.ER.CB
- 05.9000.ES.CB
- 05.9000.EQ.CB



Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

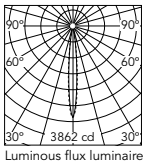
Optic Spot - 3000K

On board dimmer
- 05.9005.40
- 05.9005.14
- 05.9005.ER
- 05.9005.ES
- 05.9005.EQ

Dali 2
- 05.9005.40.DA
- 05.9005.14.DA
- 05.9005.ER.DA
- 05.9005.ES.DA
- 05.9005.EQ.DA

1-10V
- 05.9005.40.1V
- 05.9005.14.1V
- 05.9005.ER.1V
- 05.9005.ES.1V
- 05.9005.EQ.1V

Casambi
- 05.9005.40.CB
- 05.9005.14.CB
- 05.9005.ER.CB
- 05.9005.ES.CB
- 05.9005.EQ.CB



Luminous flux luminaire 214 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

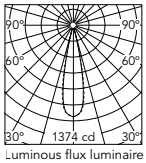
Optic Medium - 2700K

On board dimmer
- 05.9001.40
- 05.9001.14
- 05.9001.ER
- 05.9001.ES
- 05.9001.EQ

Dali 2
- 05.9001.40.DA
- 05.9001.14.DA
- 05.9001.ER.DA
- 05.9001.ES.DA
- 05.9001.EQ.DA

1-10V
- 05.9001.40.1V
- 05.9001.14.1V
- 05.9001.ER.1V
- 05.9001.ES.1V
- 05.9001.EQ.1V

Casambi
- 05.9001.40.CB
- 05.9001.14.CB
- 05.9001.ER.CB
- 05.9001.ES.CB
- 05.9001.EQ.CB



Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

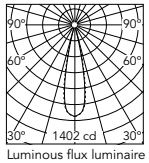
Optic Medium - 3000K

On board dimmer
- 05.9006.40
- 05.9006.14
- 05.9006.ER
- 05.9006.ES
- 05.9006.EQ

Dali 2
- 05.9006.40.DA
- 05.9006.14.DA
- 05.9006.ER.DA
- 05.9006.ES.DA
- 05.9006.EQ.DA

1-10V
- 05.9006.40.1V
- 05.9006.14.1V
- 05.9006.ER.1V
- 05.9006.ES.1V
- 05.9006.EQ.1V

Casambi
- 05.9006.40.CB
- 05.9006.14.CB
- 05.9006.ER.CB
- 05.9006.ES.CB
- 05.9006.EQ.CB



Luminous flux luminaire 205 lm

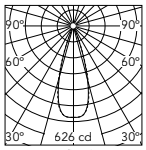
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

On board dimmer

- 05.9002.40
- 05.9002.14
- 05.9002.ER
- 05.9002.ES
- 05.9002.EQ



Luminous flux luminaire
200 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Dali 2

- 05.9002.40.DA
- 05.9002.14.DA
- 05.9002.ER.DA
- 05.9002.ES.DA
- 05.9002.EQ.DA

1-10V

- 05.9002.40.1V
- 05.9002.14.1V
- 05.9002.ER.1V
- 05.9002.ES.1V
- 05.9002.EQ.1V

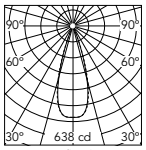
Casambi

- 05.9002.40.CB
- 05.9002.14.CB
- 05.9002.ER.CB
- 05.9002.ES.CB
- 05.9002.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9007.40
- 05.9007.14
- 05.9007.ER
- 05.9007.ES
- 05.9007.EQ



Luminous flux luminaire
204 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Dali 2

- 05.9007.40.DA
- 05.9007.14.DA
- 05.9007.ER.DA
- 05.9007.ES.DA
- 05.9007.EQ.DA

1-10V

- 05.9007.40.1V
- 05.9007.14.1V
- 05.9007.ER.1V
- 05.9007.ES.1V
- 05.9007.EQ.1V

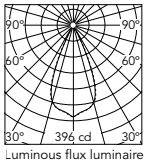
Casambi

- 05.9007.40.CB
- 05.9007.14.CB
- 05.9007.ER.CB
- 05.9007.ES.CB
- 05.9007.EQ.CB

Optic Wide Flood - 2700K

On board dimmer

- 05.9003.40
- 05.9003.14
- 05.9003.ER
- 05.9003.ES
- 05.9003.EQ



Luminous flux luminaire
209 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9003.40.DA
- 05.9003.14.DA
- 05.9003.ER.DA
- 05.9003.ES.DA
- 05.9003.EQ.DA

1-10V

- 05.9003.40.1V
- 05.9003.14.1V
- 05.9003.ER.1V
- 05.9003.ES.1V
- 05.9003.EQ.1V

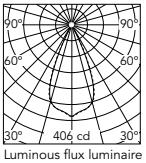
Casambi

- 05.9003.40.CB
- 05.9003.14.CB
- 05.9003.ER.CB
- 05.9003.ES.CB
- 05.9003.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9008.40
- 05.9008.14
- 05.9008.ER
- 05.9008.ES
- 05.9008.EQ



Luminous flux luminaire
214 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9008.40.DA
- 05.9008.14.DA
- 05.9008.ER.DA
- 05.9008.ES.DA
- 05.9008.EQ.DA

1-10V

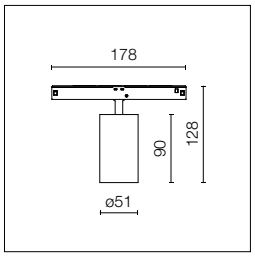
- 05.9008.40.1V
- 05.9008.14.1V
- 05.9008.ER.1V
- 05.9008.ES.1V
- 05.9008.EQ.1V

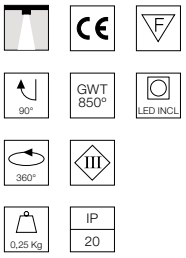
Casambi

- 05.9008.40.CB
- 05.9008.14.CB
- 05.9008.ER.CB
- 05.9008.ES.CB
- 05.9008.EQ.CB

Light Shadow Spot 45

LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System Infra-Structure.
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Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

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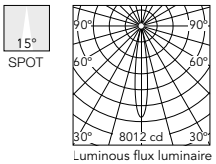
Optic Spot - 2700K

On board dimmer
- 05.9030.40
- 05.9030.14
- 05.9030.ER
- 05.9030.ES
- 05.9030.EQ

Dali 2
- 05.9030.40.DA
- 05.9030.14.DA
- 05.9030.ER.DA
- 05.9030.ES.DA
- 05.9030.EQ.DA

1-10V
- 05.9030.40.1V
- 05.9030.14.1V
- 05.9030.ER.1V
- 05.9030.ES.1V
- 05.9030.EQ.1V

Casambi
- 05.9030.40.CB
- 05.9030.14.CB
- 05.9030.ER.CB
- 05.9030.ES.CB
- 05.9030.EQ.CB



Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

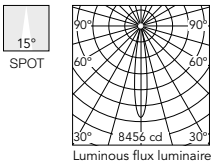
Optic Spot - 3000K

On board dimmer
- 05.9035.40
- 05.9035.14
- 05.9035.ER
- 05.9035.ES
- 05.9035.EQ

Dali 2
- 05.9035.40.DA
- 05.9035.14.DA
- 05.9035.ER.DA
- 05.9035.ES.DA
- 05.9035.EQ.DA

1-10V
- 05.9035.40.1V
- 05.9035.14.1V
- 05.9035.ER.1V
- 05.9035.ES.1V
- 05.9035.EQ.1V

Casambi
- 05.9035.40.CB
- 05.9035.14.CB
- 05.9035.ER.CB
- 05.9035.ES.CB
- 05.9035.EQ.CB



Luminous flux luminaire 686 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

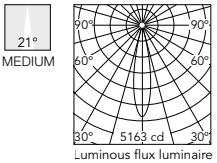
Optic Medium - 2700K

On board dimmer
- 05.9031.40
- 05.9031.14
- 05.9031.ER
- 05.9031.ES
- 05.9031.EQ

Dali 2
- 05.9031.40.DA
- 05.9031.14.DA
- 05.9031.ER.DA
- 05.9031.ES.DA
- 05.9031.EQ.DA

1-10V
- 05.9031.40.1V
- 05.9031.14.1V
- 05.9031.ER.1V
- 05.9031.ES.1V
- 05.9031.EQ.1V

Casambi
- 05.9031.40.CB
- 05.9031.14.CB
- 05.9031.ER.CB
- 05.9031.ES.CB
- 05.9031.EQ.CB



Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

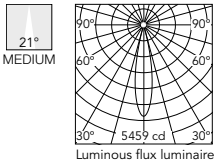
Optic Medium - 3000K

On board dimmer
- 05.9036.40
- 05.9036.14
- 05.9036.ER
- 05.9036.ES
- 05.9036.EQ

Dali 2
- 05.9036.40.DA
- 05.9036.14.DA
- 05.9036.ER.DA
- 05.9036.ES.DA
- 05.9036.EQ.DA

1-10V
- 05.9036.40.1V
- 05.9036.14.1V
- 05.9036.ER.1V
- 05.9036.ES.1V
- 05.9036.EQ.1V

Casambi
- 05.9036.40.CB
- 05.9036.14.CB
- 05.9036.ER.CB
- 05.9036.ES.CB
- 05.9036.EQ.CB



Luminous flux luminaire 682 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

On board dimmer

- 05.9032.40
- 05.9032.14
- 05.9032.ER
- 05.9032.ES
- 05.9032.EQ

Dali 2

- 05.9032.40.DA
- 05.9032.14.DA
- 05.9032.ER.DA
- 05.9032.ES.DA
- 05.9032.EQ.DA

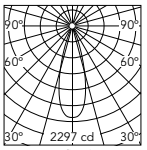
1-10V

- 05.9032.40.1V
- 05.9032.14.1V
- 05.9032.ER.1V
- 05.9032.ES.1V
- 05.9032.EQ.1V

Casambi

- 05.9032.40.CB
- 05.9032.14.CB
- 05.9032.ER.CB
- 05.9032.ES.CB
- 05.9032.EQ.CB

FLOOD



Luminous flux luminaire
646 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

On board dimmer

- 05.9037.40
- 05.9037.14
- 05.9037.ER
- 05.9037.ES
- 05.9037.EQ

Dali 2

- 05.9037.40.DA
- 05.9037.14.DA
- 05.9037.ER.DA
- 05.9037.ES.DA
- 05.9037.EQ.DA

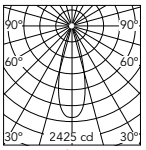
1-10V

- 05.9037.40.1V
- 05.9037.14.1V
- 05.9037.ER.1V
- 05.9037.ES.1V
- 05.9037.EQ.1V

Casambi

- 05.9037.40.CB
- 05.9037.14.CB
- 05.9037.ER.CB
- 05.9037.ES.CB
- 05.9037.EQ.CB

FLOOD



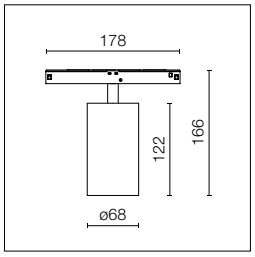
Luminous flux luminaire
682 lm

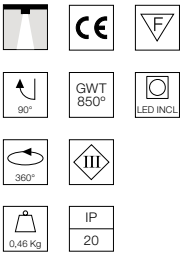
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Light Shadow Spot 60

Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System Infra-Structure.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in Infra-Structure system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

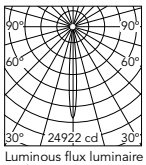
Optic Super Spot - 2700K

On board dimmer
- 05.9060.40
- 05.9060.14
- 05.9060.ER
- 05.9060.ES
- 05.9060.EQ

Dali 2
- 05.9060.40.DA
- 05.9060.14.DA
- 05.9060.ER.DA
- 05.9060.ES.DA
- 05.9060.EQ.DA

1-10V
- 05.9060.40.1V
- 05.9060.14.1V
- 05.9060.ER.1V
- 05.9060.ES.1V
- 05.9060.EQ.1V

Casambi
- 05.9060.40.CB
- 05.9060.14.CB
- 05.9060.ER.CB
- 05.9060.ES.CB
- 05.9060.EQ.CB



Luminous flux luminaire 765 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	24922	0.16
2	6230	0.32
3	2769	0.48
4	1558	0.64
5	997	0.80

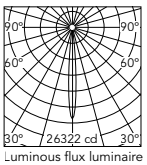
Optic Super Spot - 3000K

On board dimmer
- 05.9065.40
- 05.9065.14
- 05.9065.ER
- 05.9065.ES
- 05.9065.EQ

Dali 2
- 05.9065.40.DA
- 05.9065.14.DA
- 05.9065.ER.DA
- 05.9065.ES.DA
- 05.9065.EQ.DA

1-10V
- 05.9065.40.1V
- 05.9065.14.1V
- 05.9065.ER.1V
- 05.9065.ES.1V
- 05.9065.EQ.1V

Casambi
- 05.9065.40.CB
- 05.9065.14.CB
- 05.9065.ER.CB
- 05.9065.ES.CB
- 05.9065.EQ.CB



Luminous flux luminaire 808 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	26322	0.16
2	6581	0.32
3	2925	0.48
4	1645	0.64
5	1053	0.80

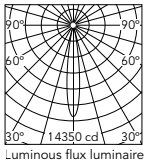
Optic Spot - 2700K

On board dimmer
- 05.9061.40
- 05.9061.14
- 05.9061.ER
- 05.9061.ES
- 05.9061.EQ

Dali 2
- 05.9061.40.DA
- 05.9061.14.DA
- 05.9061.ER.DA
- 05.9061.ES.DA
- 05.9061.EQ.DA

1-10V
- 05.9061.40.1V
- 05.9061.14.1V
- 05.9061.ER.1V
- 05.9061.ES.1V
- 05.9061.EQ.1V

Casambi
- 05.9061.40.CB
- 05.9061.14.CB
- 05.9061.ER.CB
- 05.9061.ES.CB
- 05.9061.EQ.CB



Luminous flux luminaire 1251 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14350	0.27
2	3587	0.54
3	1594	0.81
4	897	1.09
5	574	1.36

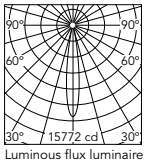
Optic Spot - 3000K

On board dimmer
- 05.9066.40
- 05.9066.14
- 05.9066.ER
- 05.9066.ES
- 05.9066.EQ

Dali 2
- 05.9066.40.DA
- 05.9066.14.DA
- 05.9066.ER.DA
- 05.9066.ES.DA
- 05.9066.EQ.DA

1-10V
- 05.9066.40.1V
- 05.9066.14.1V
- 05.9066.ER.1V
- 05.9066.ES.1V
- 05.9066.EQ.1V

Casambi
- 05.9066.40.CB
- 05.9066.14.CB
- 05.9066.ER.CB
- 05.9066.ES.CB
- 05.9066.EQ.CB



Luminous flux luminaire 1375 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	15772	0.27
2	3943	0.54
3	1752	0.81
4	986	1.09
5	631	1.36

Optic Medium - 2700K

On board dimmer

- 05.9062.40
- 05.9062.14
- 05.9062.ER
- 05.9062.ES
- 05.9062.EQ

Dali 2

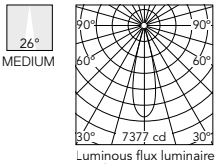
- 05.9062.40.DA
- 05.9062.14.DA
- 05.9062.ER.DA
- 05.9062.ES.DA
- 05.9062.EQ.DA

1-10V

- 05.9062.40.1V
- 05.9062.14.1V
- 05.9062.ER.1V
- 05.9062.ES.1V
- 05.9062.EQ.1V

Casambi

- 05.9062.40.CB
- 05.9062.14.CB
- 05.9062.ER.CB
- 05.9062.ES.CB
- 05.9062.EQ.CB



Luminous flux luminaire
1298 lm

Beam Angle:	26°
h(m)	E(lx)	D(m)
1	7377	0.45
2	1844	0.91
3	820	1.36
4	461	1.82
5	295	2.27

Optic Medium - 3000K

On board dimmer

- 05.9067.40
- 05.9067.14
- 05.9067.ER
- 05.9067.ES
- 05.9067.EQ

Dali 2

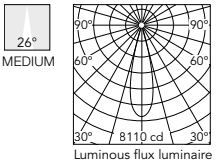
- 05.9067.40.DA
- 05.9067.14.DA
- 05.9067.ER.DA
- 05.9067.ES.DA
- 05.9067.EQ.DA

1-10V

- 05.9067.40.1V
- 05.9067.14.1V
- 05.9067.ER.1V
- 05.9067.ES.1V
- 05.9067.EQ.1V

Casambi

- 05.9067.40.CB
- 05.9067.14.CB
- 05.9067.ER.CB
- 05.9067.ES.CB
- 05.9067.EQ.CB



Luminous flux luminaire
1427 lm

Beam Angle:	26°
h(m)	E(lx)	D(m)
1	8110	0.45
2	2027	0.91
3	901	1.36
4	507	1.82
5	324	2.27

Optic Flood - 2700K

On board dimmer

- 05.9063.40
- 05.9063.14
- 05.9063.ER
- 05.9063.ES
- 05.9063.EQ

Dali 2

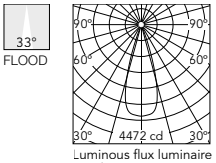
- 05.9063.40.DA
- 05.9063.14.DA
- 05.9063.ER.DA
- 05.9063.ES.DA
- 05.9063.EQ.DA

1-10V

- 05.9063.40.1V
- 05.9063.14.1V
- 05.9063.ER.1V
- 05.9063.ES.1V
- 05.9063.EQ.1V

Casambi

- 05.9063.40.CB
- 05.9063.14.CB
- 05.9063.ER.CB
- 05.9063.ES.CB
- 05.9063.EQ.CB



Luminous flux luminaire
1304 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	4472	0.60
2	1118	1.20
3	497	1.80
4	279	2.40
5	179	3.00

Optic Flood - 3000K

On board dimmer

- 05.9068.40
- 05.9068.14
- 05.9068.ER
- 05.9068.ES
- 05.9068.EQ

Dali 2

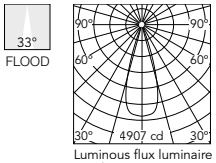
- 05.9068.40.DA
- 05.9068.14.DA
- 05.9068.ER.DA
- 05.9068.ES.DA
- 05.9068.EQ.DA

1-10V

- 05.9068.40.1V
- 05.9068.14.1V
- 05.9068.ER.1V
- 05.9068.ES.1V
- 05.9068.EQ.1V

Casambi

- 05.9068.40.CB
- 05.9068.14.CB
- 05.9068.ER.CB
- 05.9068.ES.CB
- 05.9068.EQ.CB

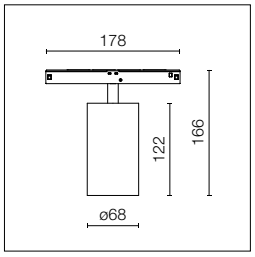


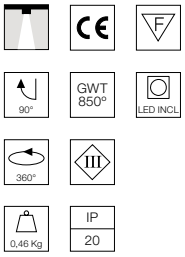
Luminous flux luminaire
1431 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	4907	0.60
2	1227	1.20
3	545	1.80
4	307	2.40
5	196	3.00

Light Shadow Spot 60

Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90





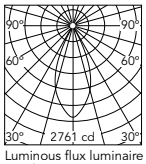
LED-Modul für Akzentbeleuchtung, installierbar mit dem System Infra-Structure.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in Infra-Structure system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Optic Wide Flood - 2700K

On board dimmer

- 05.9064.40
- 05.9064.14
- 05.9064.ER
- 05.9064.ES
- 05.9064.EQ



Luminous flux luminaire
1268 lm

Beam Angle:	43°
h(m)	E(lx)	D(m)
1	2761	0.79
2	690	1.59
3	307	2.38
4	173	3.17
5	110	3.97

Dali 2

- 05.9064.40.DA
- 05.9064.14.DA
- 05.9064.ER.DA
- 05.9064.ES.DA
- 05.9064.EQ.DA

1-10V

- 05.9064.40.1V
- 05.9064.14.1V
- 05.9064.ER.1V
- 05.9064.ES.1V
- 05.9064.EQ.1V

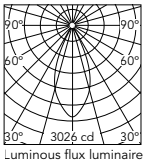
Casambi

- 05.9064.40.CB
- 05.9064.14.CB
- 05.9064.ER.CB
- 05.9064.ES.CB
- 05.9064.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9069.40
- 05.9069.14
- 05.9069.ER
- 05.9069.ES
- 05.9069.EQ



Luminous flux luminaire
1390 lm

Beam Angle:	43°
h(m)	E(lx)	D(m)
1	3026	0.79
2	757	1.59
3	336	2.38
4	189	3.17
5	121	3.97

Dali 2

- 05.9069.40.DA
- 05.9069.14.DA
- 05.9069.ER.DA
- 05.9069.ES.DA
- 05.9069.EQ.DA

1-10V

- 05.9069.40.1V
- 05.9069.14.1V
- 05.9069.ER.1V
- 05.9069.ES.1V
- 05.9069.EQ.1V

Casambi

- 05.9069.40.CB
- 05.9069.14.CB
- 05.9069.ER.CB
- 05.9069.ES.CB
- 05.9069.EQ.CB

Zubehör / Accessories

Light Shadow Spot 30

Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

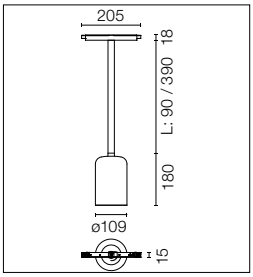
Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

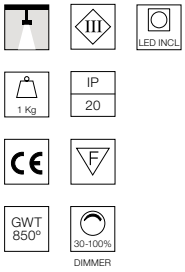
Light Shadow Spot 60

Wabenraster	Honeycomb		Super Spot 08.0175.14
			Spot / Medium / Flood / Wide Flood 08.0176.14
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase Super Spot 2700K >> 3125±75K 3000K >> 3600±75K 08.0796.00
			Spot / Medium / Flood / Wide Flood 2700K >> 3125±75K 3000K >> 3600±75K 08.0798.00
			Decrease Super Spot 2700K >> 2450±75K 3000K >> 2700±75K 08.0797.00
			Spot / Medium / Flood / Wide Flood 2700K >> 2450±75K 3000K >> 2700±75K 08.0799.00

Suspension Glass Downlight 110

LED Array 13,5W - 1296 lm - 2700K/CRI 90 / 13,5W - 1371 lm - 3000K/CRI 90





Hängeleuchte an fester Strebe aus geblasenem Glas in verschieden Farben zum Einbau in das Infra-Structure System.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Suspended luminaire with rigid rod and blown glass in several finishes to be installed in the Infra-Structure system.
For wireless lighting control, choose Casambi versions.

2700K

Black Rod
L: 100 mm
On board dimmer
- 03.8130.00
- 03.8130.FU
- 03.8130.RC

Dali 2
- 03.8130.00.DA
- 03.8130.FU.DA
- 03.8130.RC.DA

1-10V
- 03.8130.00.1V
- 03.8130.FU.1V
- 03.8130.RC.1V

Casambi
- 03.8130.00.CB
- 03.8130.FU.CB
- 03.8130.RC.CB

Black Rod
L: 400 mm
On board dimmer
- 03.8131.00
- 03.8131.FU
- 03.8131.RC

Dali 2
- 03.8131.00.DA
- 03.8131.FU.DA
- 03.8131.RC.DA

1-10V
- 03.8131.00.1V
- 03.8131.FU.1V
- 03.8131.RC.1V

Casambi
- 03.8131.00.CB
- 03.8131.FU.CB
- 03.8131.RC.CB

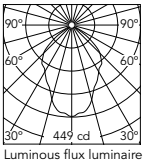
White Rod
L: 100 mm
On board dimmer
- 03.8135.00
- 03.8135.FU
- 03.8135.RC

Dali 2
- 03.8135.00.DA
- 03.8135.FU.DA
- 03.8135.RC.DA

1-10V
- 03.8135.00.1V
- 03.8135.FU.1V
- 03.8135.RC.1V

Casambi
- 03.8135.00.CB
- 03.8135.FU.CB
- 03.8135.RC.CB

82° .00

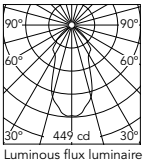


Luminous flux luminaire 706 lm

Beam Angle: 82°

h(m)	E(lx)	D(m)
1	449	1.74
2	112	3.48
3	50	5.22
4	28	6.96
5	18	8.71

47° .FU

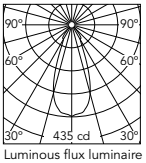


Luminous flux luminaire 483 lm

Beam Angle: 47°

h(m)	E(lx)	D(m)
1	449	0.86
2	112	1.72
3	50	2.58
4	28	3.45
5	18	4.31

42° .RC



Luminous flux luminaire 292 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	435	0.76
2	109	1.52
3	48	2.28
4	27	3.04
5	17	3.80

3000K

Black Rod
L: 100 mm
On board dimmer
- 03.8132.00
- 03.8132.FU
- 03.8132.RC

Dali 2
- 03.8132.00.DA
- 03.8132.FU.DA
- 03.8132.RC.DA

1-10V
- 03.8132.00.1V
- 03.8132.FU.1V
- 03.8132.RC.1V

Casambi
- 03.8132.00.CB
- 03.8132.FU.CB
- 03.8132.RC.CB

Black Rod
L: 400 mm
On board dimmer
- 03.8133.00
- 03.8133.FU
- 03.8133.RC

Dali 2
- 03.8133.00.DA
- 03.8133.FU.DA
- 03.8133.RC.DA

1-10V
- 03.8133.00.1V
- 03.8133.FU.1V
- 03.8133.RC.1V

Casambi
- 03.8133.00.CB
- 03.8133.FU.CB
- 03.8133.RC.CB

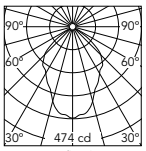
White Rod
L: 100 mm
On board dimmer
- 03.8137.00
- 03.8137.FU
- 03.8137.RC

Dali 2
- 03.8137.00.DA
- 03.8137.FU.DA
- 03.8137.RC.DA

1-10V
- 03.8137.00.1V
- 03.8137.FU.1V
- 03.8137.RC.1V

Casambi
- 03.8137.00.CB
- 03.8137.FU.CB
- 03.8137.RC.CB

82° .00

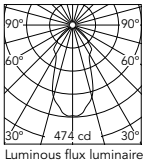


Luminous flux luminaire 746 lm

Beam Angle: 82°

h(m)	E(lx)	D(m)
1	474	1.74
2	119	3.48
3	53	5.22
4	30	6.96
5	19	8.71

47° .FU

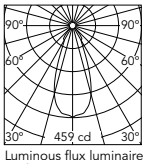


Luminous flux luminaire 510 lm

Beam Angle: 47°

h(m)	E(lx)	D(m)
1	474	0.86
2	119	1.72
3	53	2.58
4	30	3.45
5	19	4.31

42° .RC



Luminous flux luminaire 309 lm

Beam Angle: 42°

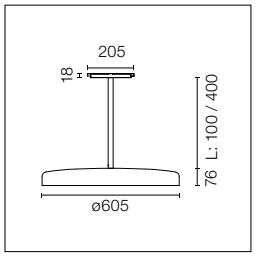
h(m)	E(lx)	D(m)
1	459	0.76
2	115	1.52
3	51	2.28
4	29	3.04
5	18	3.80

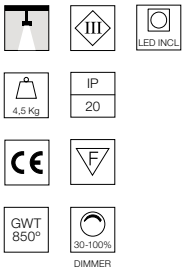
White Rod
L: 400 mm
On board dimmer
03.8136.00
03.8136.FU
03.8136.RC
Dali 2
03.8136.00.DA
03.8136.FU.DA
03.8136.RC.DA
1-10V
03.8136.00.1V
03.8136.FU.1V
03.8136.RC.1V
Casambi
03.8136.00.CB
03.8136.FU.CB
03.8136.RC.CB

White Rod
L: 400 mm
On board dimmer
03.8138.00
03.8138.FU
03.8138.RC
Dali 2
03.8138.00.DA
03.8138.FU.DA
03.8138.RC.DA
1-10V
03.8138.00.1V
03.8138.FU.1V
03.8138.RC.1V
Casambi
03.8138.00.CB
03.8138.FU.CB
03.8138.RC.CB

Suspension Panel 600

Top LED 25,6W - 3332 lm - 2700K/CRI 90 / 40W - 3540 lm - 3000K/ CRI 90





Hängeleuchte an fester Strebe zum Einbau in das Infra-Structure System.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

E= Außenfarbe
I= Innenfarbe

Suspended luminaire with rigid rod, to be installed in the Infra-Structure system.
For wireless lighting control, choose Casambi versions.

E= External Finish
I= Internal Finish

2700K

L: 100 mm

E I On board dimmer
03.8140.40A

E I Dali 2
03.8140.40ADA

E I 1-10V
03.8140.40A1V

E I Casambi
03.8140.40ACB

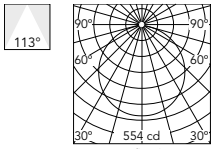
L: 400 mm

E I On board dimmer
03.8141.40A

E I Dali 2
03.8141.40ADA

E I 1-10V
03.8141.40A1V

E I Casambi
03.8141.40ACB



Luminous flux luminaire
1595 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	554	3.05
2	139	6.09
3	62	9.14
4	35	12.19
5	22	15.24

3000K

L: 100 mm

E I On board dimmer
03.8142.40A

E I Dali 2
03.8142.40ADA

E I 1-10V
03.8142.40A1V

E I Casambi
03.8142.40ACB

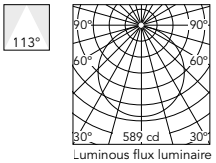
L: 400 mm

E I On board dimmer
03.8143.40A

E I Dali 2
03.8143.40ADA

E I 1-10V
03.8143.40A1V

E I Casambi
03.8143.40ACB



Luminous flux luminaire
1694 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	589	3.05
2	147	6.09
3	65	9.14
4	37	12.19
5	24	15.24

2700K

L: 100 mm

E I On board dimmer
03.8140.14A

E I Dali 2
03.8140.14ADA

E I 1-10V
03.8140.14A1V

E I Casambi
03.8140.14ACB

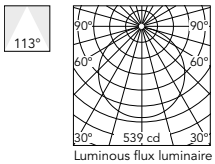
L: 400 mm

E I On board dimmer
03.8141.14A

E I Dali 2
03.8141.14ADA

E I 1-10V
03.8141.14A1V

E I Casambi
03.8141.14ACB



Luminous flux luminaire
1550 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	539	3.05
2	135	6.09
3	60	9.14
4	34	12.19
5	22	15.24

3000K

L: 100 mm

E I On board dimmer
03.8142.14A

E I Dali 2
03.8142.14ADA

E I 1-10V
03.8142.14A1V

E I Casambi
03.8142.14ACB

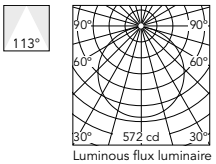
L: 400 mm

E I On board dimmer
03.8143.14A

E I Dali 2
03.8143.14ADA

E I 1-10V
03.8143.14A1V

E I Casambi
03.8143.14ACB



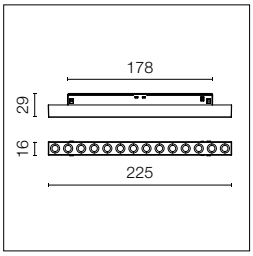
Luminous flux luminaire
1647 lm

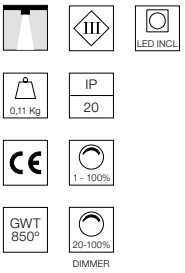
Beam Angle: 113°

h(m)	E(lx)	D(m)
1	572	3.05
2	143	6.09
3	64	9.14
4	36	12.19
5	23	15.24

Multi Spot Mini

Power LED 7,5W - 635 lm - 2700K/CRI 90 / 7,5W - 650 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit 14 Scheinwerfern und geringer Blendung für den Einbau in das System Infra-Structure.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

LED lighting module with 14 spotlights and low glare, to be installed in The Infra-Structure system.
For wireless lighting control, choose integrated Casambi versions.

Optic Spot - 2700K

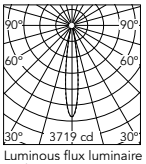
On board dimmer
- 05.3550.40
- 05.3550.14

Dali 2
- 05.3550.40.DA
- 05.3550.14.DA

1-10V
- 05.3550.40.1V
- 05.3550.14.1V

Casambi
- 05.3550.40.CB
- 05.3550.14.CB

15° SPOT



Luminous flux luminaire 398 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3719	0.27
2	930	0.54
3	413	0.81
4	232	1.08
5	149	1.35

Optic Spot - 3000K

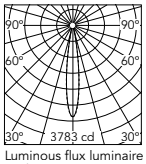
On board dimmer
- 05.3551.40
- 05.3551.14

Dali 2
- 05.3551.40.DA
- 05.3551.14.DA

1-10V
- 05.3551.40.1V
- 05.3551.14.1V

Casambi
- 05.3551.40.CB
- 05.3551.14.CB

15° SPOT



Luminous flux luminaire 405 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3783	0.27
2	946	0.54
3	420	0.81
4	236	1.08
5	151	1.35

Optic Medium - 2700K

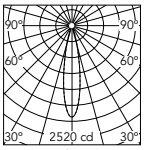
On board dimmer
- 05.3552.40
- 05.3552.14

Dali 2
- 05.3552.40.DA
- 05.3552.14.DA

1-10V
- 05.3552.40.1V
- 05.3552.14.1V

Casambi
- 05.3552.40.CB
- 05.3552.14.CB

20° MEDIUM



Luminous flux luminaire 424 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2520	0.36
2	630	0.72
3	280	1.08
4	158	1.44
5	101	1.80

Optic Medium - 3000K

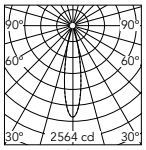
On board dimmer
- 05.3553.40
- 05.3553.14

Dali 2
- 05.3553.40.DA
- 05.3553.14.DA

1-10V
- 05.3553.40.1V
- 05.3553.14.1V

Casambi
- 05.3553.40.CB
- 05.3553.14.CB

20° MEDIUM



Luminous flux luminaire 431 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2564	0.36
2	641	0.72
3	285	1.08
4	160	1.44
5	103	1.80

Optic Flood - 2700K

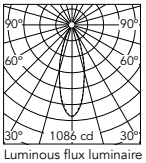
On board dimmer
- 05.3554.40
- 05.3554.14

Dali 2
- 05.3554.40.DA
- 05.3554.14.DA

1-10V
- 05.3554.40.1V
- 05.3554.14.1V

Casambi
- 05.3554.40.CB
- 05.3554.14.CB

32° FLOOD



Luminous flux luminaire 391 lm (EXTREME CUT OFF)

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1086	0.58
2	271	1.15
3	121	1.73
4	68	2.30
5	43	2.88

Optic Flood - 3000K

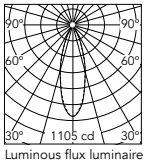
On board dimmer
- 05.3555.40
- 05.3555.14

Dali 2
- 05.3555.40.DA
- 05.3555.14.DA

1-10V
- 05.3555.40.1V
- 05.3555.14.1V

Casambi
- 05.3555.40.CB
- 05.3555.14.CB

32° FLOOD



Luminous flux luminaire 397 lm (EXTREME CUT OFF)

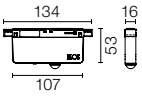
Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1105	0.58
2	276	1.15
3	123	1.73
4	69	2.30
5	44	2.88

Zubehör / Accessories

Multifunktionales Smart Device.
Dreifachfunktionalität 3x1: Casambi Signalverstärker, Lichtsensor und Präsenzmelder.
FLOS Control® by Casambi.

Multifunction Smart Device.
Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.



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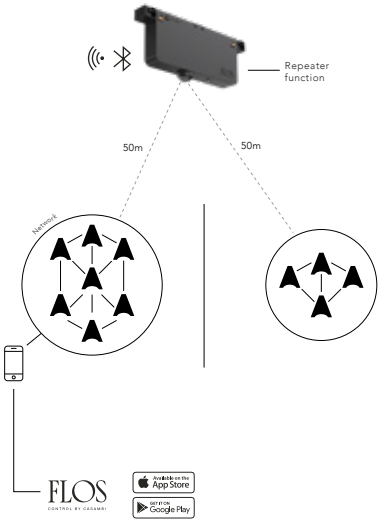
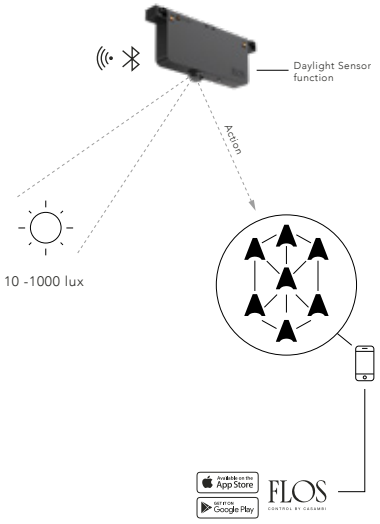
Multifunction Smart Device. Triple Functionality 3x1

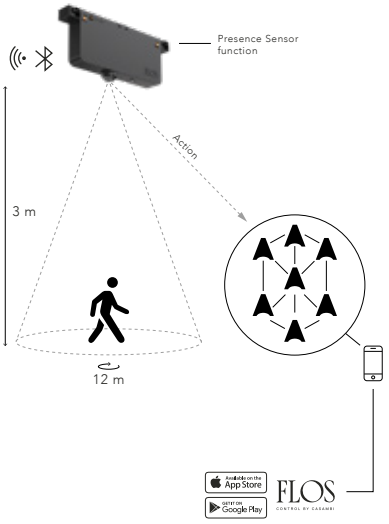
Repeater



Daylight Sensor



Presence Sensor



▲ Casambi object

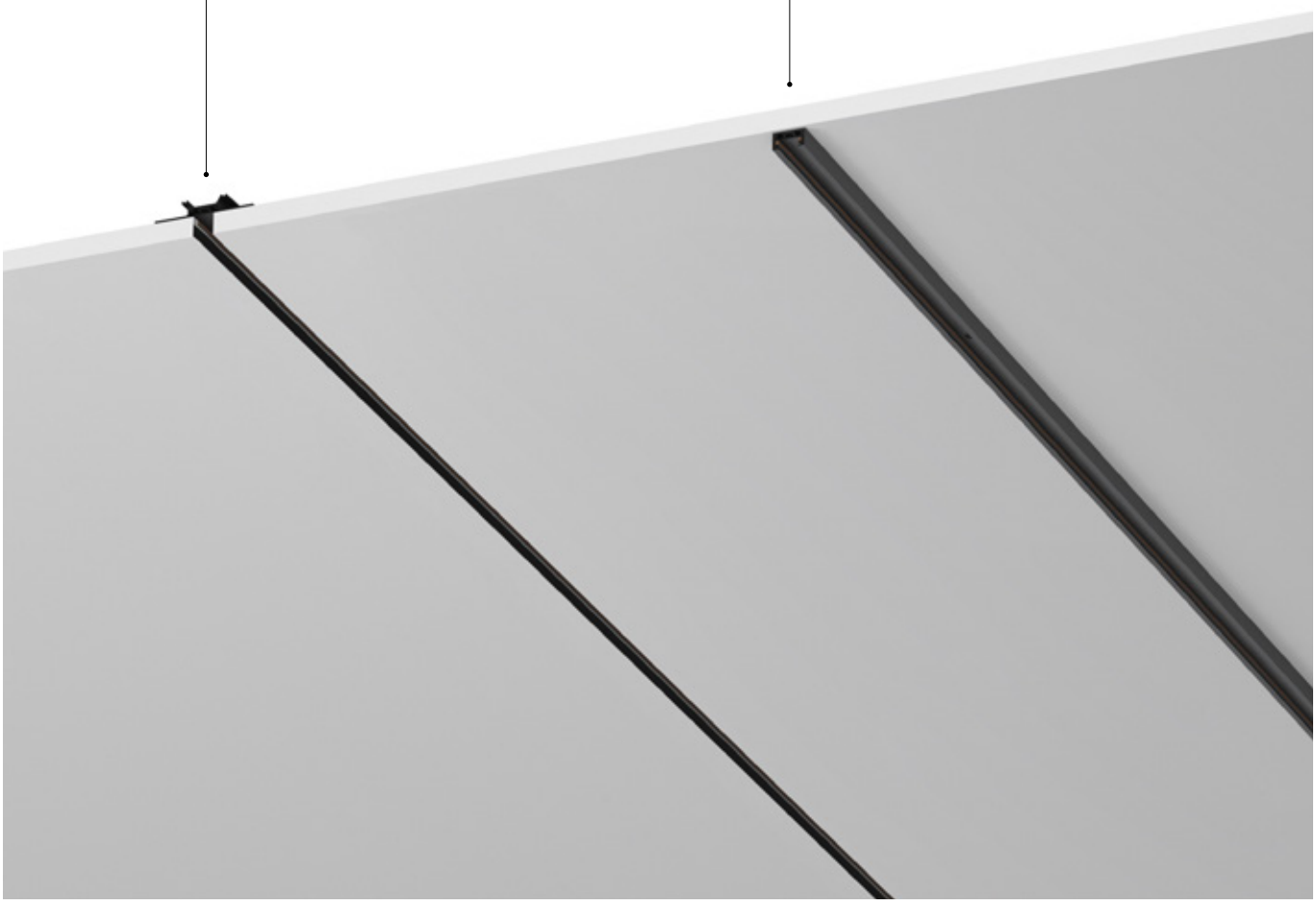
NEW

ZERO TRACK PRO

DESIGNED BY FLOS ARCHITECTURAL

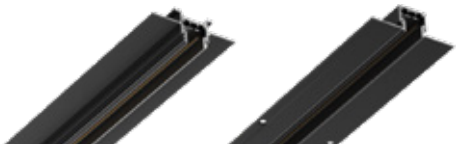
RECESSED

SURFACE



Recessed Profiles

Schwarz
Black



Surface Profiles

Weiss
White

Schwarz
Black

Gebürstetes Kupfer
Brushed Copper

Gebürsteter Stahl
Brushed Steel

Gebürstete Bronze
Brushed Bronze

NEW

Produktbeschreibung
Zero Track Pro ist ein Niederspannungsprofil (24V), das in zwei Ausführungen erhältlich ist: als Einbau- oder Aufbauversion, wodurch es sich nahtlos in verschiedene Raumtypen integrieren lässt. Sein schlankes und elegantes Design verleiht eine moderne und minimalistische Ästhetik. Es beherbergt in kleiner Größe die Technologie für die Dimmsteuerung mit Protokollen, die eine professionelle Verwaltung der Leuchten per Datenleitung oder drahtlos (sowohl durch Übertragung als auch individuell Punkt-zu-Punkt) ermöglichen.

Steuerungssystem
Das System kann entweder über ein externes Netzteil oder mit den "Power Supply Drivers" für die Aufbauversion betrieben werden – diese sind als Zubehör erhältlich.
Die Integration der Stromschienen und der elektrischen Elemente in das Profil ermöglicht bei dieser Pro-Version professionelle Steuerungssysteme, die in der Lage sind, die Leuchten Punkt-zu-Punkt einzeln zu steuern. Zero Track Pro bietet DALI- und Casambi-Steuerungsprotokolle sowie 1-10 V-Übertragung (siehe die für jede Leuchte verfügbaren Protokolle).
Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Alle Leuchten verfügen über eine integrierte Casambi-Elektronikoption - außer Light Shadow Spot, Magic Stick und Light Stripes
Der stromführende Anschluss (live end feed) hat eine Reserve für die Kabeleinführung sowohl von oben als auch von hinten. Die übrigen Einspeiseelemente sind für die Kabeleinführung von oben reserviert.

Zusätzliche Informationen
Zero Track Pro wird mit einer Spannung von 24 V DC versorgt und ist auf einen Höchststrom von 8 A und eine maximale Systemleistung von 192 W begrenzt. Außerdem ist sie auf höchstens 10 Meter und 10 Verbindungen beschränkt.
Für die 1-10 V-Steuerung ist ein aktives Steuersystem (SOURCE) und eine direkte Verbindung des Steuerdatenbusses mit dem Profil erforderlich. Es können höchstens 25 Leuchten an dieselbe Steuerung angeschlossen werden (jede Leuchte benötigt maximal 2 mA). Um passive Steuersysteme (SINK) in aktive (SOURCE) umzuwandeln, ist eine „*Control Dimming Box*" erforderlich, die sich zwischen Steuereinheit und Schiene befindet. Die Verwendung der von Flos empfohlenen „*Control Dimming Box*" wird angeraten.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Einhaltung von Vorschriften und Gütezeichen
Die Leuchte entspricht der europäischen technischen Norm EN60598-1 und den zweiten Teilen.

Description
Zero Track Pro is a low-voltage (24V) profile available in two versions: recessed and surface-mounted, allowing it to integrate seamlessly into different types of spaces. Its sleek and elegant design provides a modern and minimalist aesthetic.
Its reduced dimensions also hold the technology to control adjustment with protocols that allow professional management of appliances through data paths or wirelessly (either in broadcast mode or individually, point to point).

Control system
The system can be powered either by a remote power supply or by the surface-mounted Power Supply Drivers, which are available as accessories.
The integration of the tracks and electrical components into the profile allows the Pro version to have professional control systems that can manage appliances individually, point to point. Zero Track Pro therefore offers DALI and Casambi control protocols and in broadcast mode 1-10V (See the protocols available for each appliance).
To manage appliances through Casambi, you need the FLOS Control® mobile app (available to download from Apple Store and Google Play). There is an integrated Casambi electronics option on all appliances, except for Light Shadow Spot, Magic Stick and Light Stripes.
The initial power connector (live end feed) has space for cables either from the top or the back. The other elements that need power (feed) only have space for cables on the top.

Additional information
Zero Track Pro is supplied with a voltage of 24 VDC and is limited to a maximum current of 8A and to a maximum system power of 192W. It is also limited to a maximum of 10 metres and 10 interconnections.
For a 1-10V setting, you need an active control system (SOURCE) and a direct connection for the data control bus to the profile. You can connect a maximum of 25 appliances to the same control (each appliance requires a maximum of 2 mA). To transform passive control systems (SINK) into active systems (SOURCE), you need a "*Control Dimming Box*" located between the control unit and the track. It is best to use the "*Control Dimming Box*" recommended by Flos.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Regulatory Compliance and Quality Labels
Appliance compliant with the European Technical Regulation EN60598-1 and Part 2

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

ZERO TRACK PRO

LIGHT MODULES

LIGHT STRIPE 600

LIGHT SOURCE
TOP LED
7W
555 lm
2700K/CRI 90
582 lm
3000K/CRI 90

LIGHT STRIPE 900

LIGHT SOURCE
TOP LED
10W
1111 lm
2700K/CRI 90
1166 lm
3000K/CRI 90

LIGHT STRIPE 1200

LIGHT SOURCE
TOP LED
13,5W
1667 lm
2700K/CRI 90
1750 lm
3000K/CRI 90

MAGIC STICK

LIGHT SOURCE
Power LED
10,5W
1200 lm
2700K/CRI 90
1200 lm
3000K/CRI 90

MAGIC STICK ASYMMETRIC

LIGHT SOURCE
Power LED
12W
1450 lm
2700K/CRI 90
1490 lm
3000K/CRI 90

FIND ME 0

LIGHT SOURCE
POWER LED
3,5W
276 lm
2700K/CRI 90
302 lm
3000K/CRI 90

FIND ME 1

LIGHT SOURCE
POWER LED
5,5W
432 lm
2700K/CRI 90
446 lm
3000K/CRI 90

FIND ME 2

LIGHT SOURCE
POWER LED
10,5W
724 lm
2700K/CRI 90
781 lm
3000K/CRI 90

FIND ME 1 SUSPENSION

LIGHT SOURCE
POWER LED
5,5W
432 lm
2700K/CRI 90
446 lm
3000K/CRI 90

MY SPOT Ø25 SHORT / LONG

LIGHT SOURCE
POWER LED
Up to 4,7W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø35 SHORT / LONG

LIGHT SOURCE
LED ARRAY
Up to 11W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4,7W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
11W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

ATOM 90

LIGHT SOURCE
POWER LED
5,5W
432 lm
2700K/CRI 90
446 lm
3000K/CRI 90

ATOM 120

LIGHT SOURCE
POWER LED
8W
600 lm
2700K/CRI 90
648 lm
3000K/CRI 90

ATOM 200

LIGHT SOURCE
TOP LED
10,5W
1005 lm
2700K/CRI 90
1080 lm
3000K/CRI 90

ZERO TRACK PRO

NEW

Magic Stick

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Light Shadow Spot

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Find Me

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Atom

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

My Spot

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Light Stripe

14 Schwarz
14 Black

Accessories & Adapters

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

NEW

HOW TO ORDER

1 CHOOSE YOUR PROFILE & LENGTH

RECESSED PROFILES
Non Dimmable / Dim

Zero Track Pro Standard

Zero Track Pro Reinforced

L: 1 / 2 / 3 m

SURFACE PROFILE
Non Dimmable / Dim

L: 1 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Accessories
Standard

Fixed ceiling kit

or

Adjustable ceiling kit

Accessories
Standard & Reinforced

Live End Feed

Non Dimmable / Dim

Blind End

Straight Connector

Inner Corner

90° Corner

T Connector

X Connector

Live End Feed

Non Dimmable / Dim

Blind End

Track Cover

Straight Connector

Linear Connector Feed

Non Dimmable / Dim

Inner Corner

90° Corner Feed

Non Dimmable / Dim

X Connector Feed

Non Dimmable / Dim

T Connector Feed

Non Dimmable / Dim

NEW

3 SELECT POWER SUPPLY

Remote Installation Driver
Surface & Recessed

60W - 220/240V

120W - 220/240V

200W - 100/240V

Surface Installation Driver

Power Supply
Surface End

100W - 220/240V

or

Power Supply
Surface Middle

100W - 220/240V

4 SELECT A LIGHT MODULE AND CONTROL OPTION

No DIM / DALI / 1-10V

Light Stripe
600 / 900 / 1200

General Lighting

Light Stripe Recessed
600 / 900 / 1200

General Lighting

Magic Stick
Magic Stick Asymmetric

General Lighting

Light Shadow Spot 30 / 45

S/M/F/WF

No DIM / DALI / 1-10V / Casambi

Find Me 0 / 1 / 2

S/M/F

Find Me Suspension

S/M

My Spot Ø25 / Ø35
Short / Long

S/M/F

Atom 90 / 120

S/M

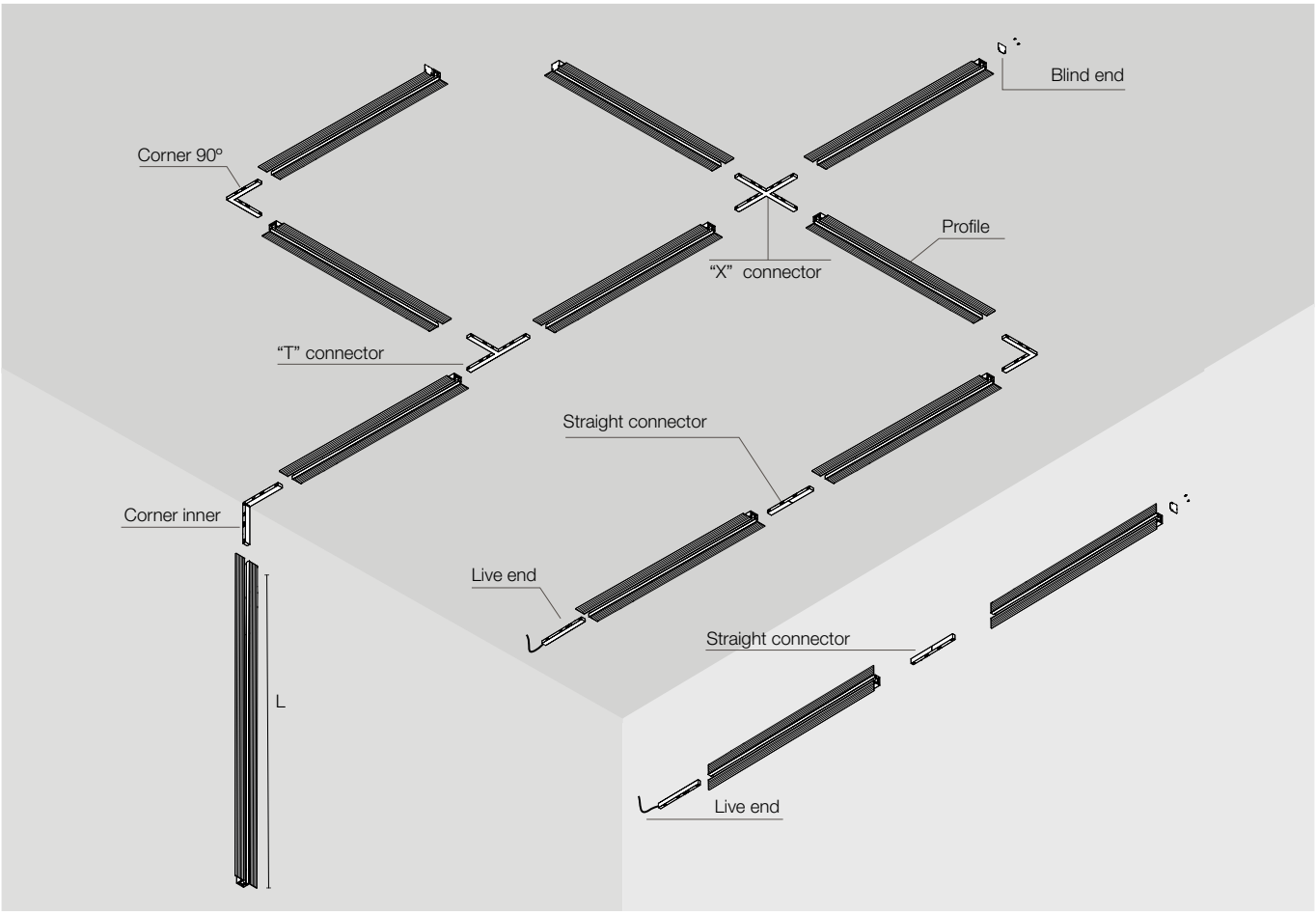
Atom 200

General Lighting

NEW

ZERO TRACK PRO — PROFILES

RECESSED INSTALLATION

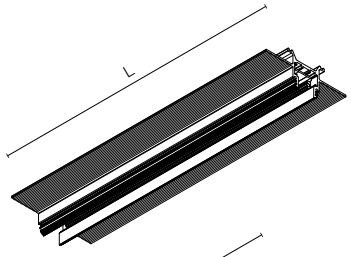


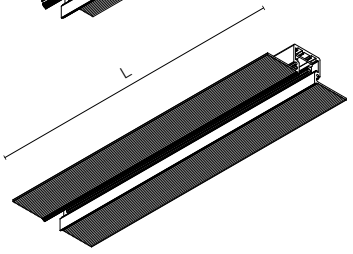
Profile

Elektromechanisches Einbauprofil für den Innenbereich (24Vdc) mit einer Länge von 1 bis 3 Metern zur Wand- oder Deckenmontage. Stromanschlüsse, Zwischenverbinder und Abdeckungen separat anfordern. Verbindungsstücke in L-, T- und X-Form auf derselben Ebene erhältlich. Enthält außerdem einen linearen elektrischen Verbinder zum Verbinden von zwei Schienenabschnitten auf derselben Ebene sowie einen 90°-elektromechanischen Verbinder zum Verbinden von Profilabschnitten auf unterschiedlichen Ebenen (Innenwand-Wand, Decke-Wand).
Zwei alternative Profile sind erhältlich, um sich an jede Art von Deckenkonstruktion anzupassen.

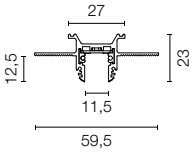
Profiles

Interior electromechanical recessed profile (24Vdc) from 1 to 3m long for wall or ceiling installation. Request power connectors, intermediate connectors, and covers separately. Unit joints available in L, T, and X shapes in the same plane. Also includes a linear electric connector for joining two track sections in the same plane and a 90° electromechanical connector for joining profile sections in different planes (interior wall-wall, ceiling-wall).
Two alternative profiles are available to fit any type of ceiling construction.

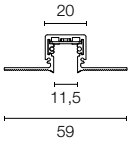




Zero Track Pro Standard



Zero Track Pro Reinforced



Non Dimmable
L: 1000 mm
06.2643.14
L: 2000 mm
06.2644.14
L: 3000 mm
06.2645.14

Dimmable
L: 1000 mm
06.2640.14
L: 2000 mm
06.2641.14
L: 3000 mm
06.2642.14

Non Dimmable
L: 1000 mm
06.0453.14
L: 2000 mm
06.0454.14
L: 3000 mm
06.0455.14

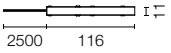
Dimmable
L: 1000 mm
06.0450.14
L: 2000 mm
06.0451.14
L: 3000 mm
06.0452.14

L: 1 m / 2 m / 3 m

NEW

Ursprünglicher Stromanschluss
Netzteil für die externe Stromversorgungseinheit. Inklusive vorinstalliertem Netzkabel und kompatibel mit on/off und dimmbaren Versionen.

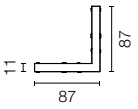
Live End Feed
Power supply unit for the remote power source unit. Includes preinstalled power cable and is compatible with both on/off and dimmable versions.



■ 06.0456.14

Ecke 90°
Flache 90°-Ecke ohne Stromzufuhr-Eingang.

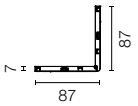
90° Corner
90° flat corner with no feed entry.



■ 06.0457.14

Innenecke
Innenecke Decke/Wand - Wand/Wand. Ohne Stromzufuhr.

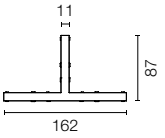
Inner Corner
Ceiling/wall - wall/wall inner corner with no feed entry.



■ 06.0458.14

T-Form-Konnektor
T-Form-Konnektor ohne Stromzufuhr.

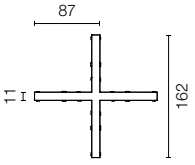
T Connector
T-shaped connector with no feed entry.



■ 06.0459.14

X-Form-Konnektor
X-Form-Konnektor ohne Stromzufuhr.

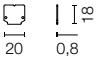
X Connector
Cross-shaped connector with no feed entry.



■ 06.0460.14

Abschließbares Terminal
Deckel. Set mit 2 stück.

Blind End
End Cap. 2 unit kit.



■ 06.0461.14

Gerader Anschluss
Zwischenstecker ohne Stromanschluss.

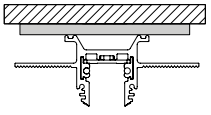
Straight Connector
Intermediate connector with no feed entry.

■ 06.2608.14

Zubehör / Accessories
Compatible only with Zero Track Pro Standard

Befestigungssatz feste decke (fakultativ). Set mit 2 stück.

Fixed ceiling kit (optional). 2 unit kit.

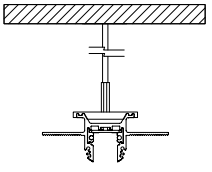


■ 08.8866.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000	2	1
2000	3	2
3000	4	2

Befestigungssatz an absenkbare decke (fakultativ). Set mit 2 stück.

Adjustable ceiling kit (optional). 2 unit kit.



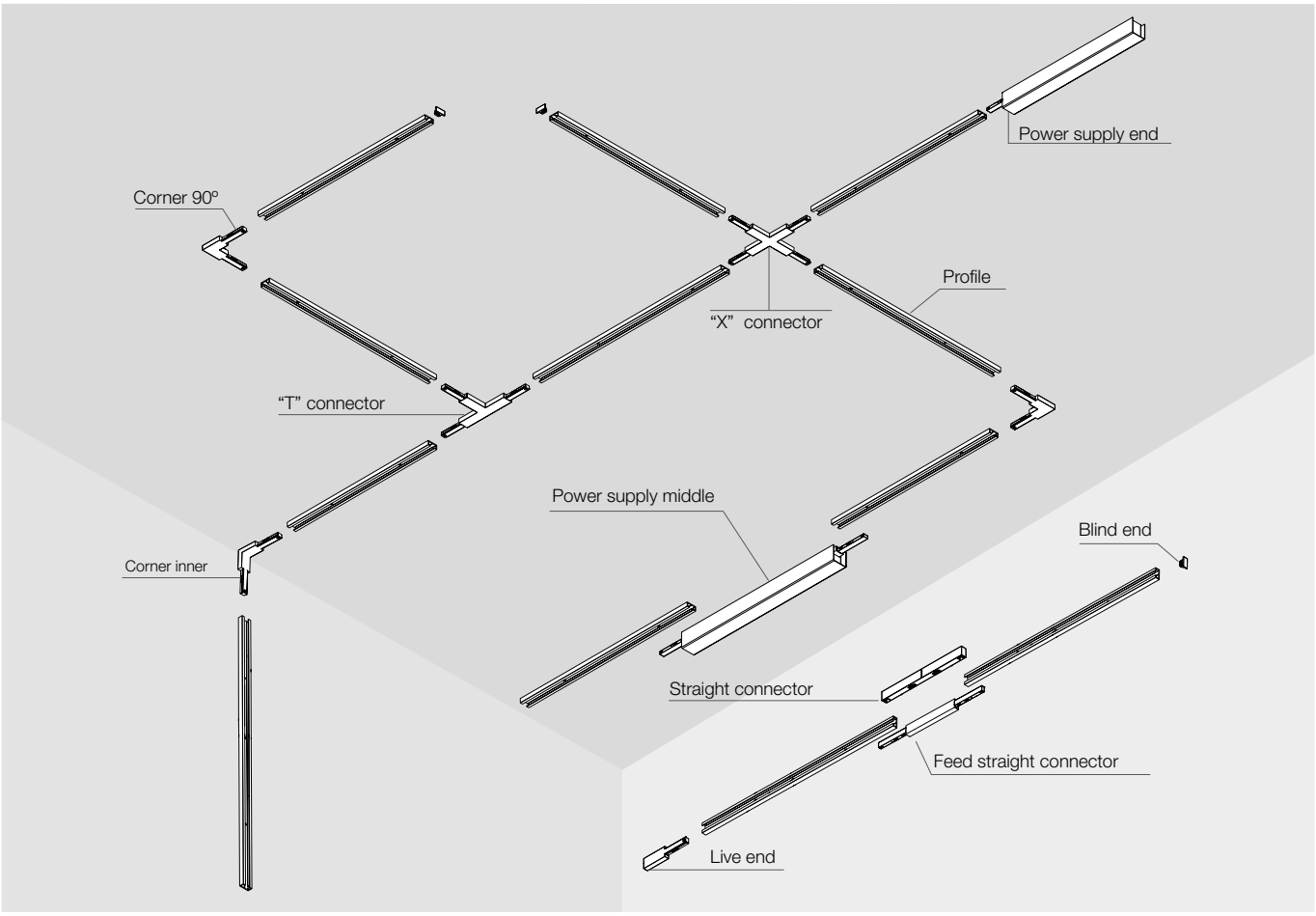
■ 08.8867.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000	2	1
2000	3	2
3000	4	2

NEW

ZERO TRACK PRO — PROFILES

SURFACE INSTALLATION

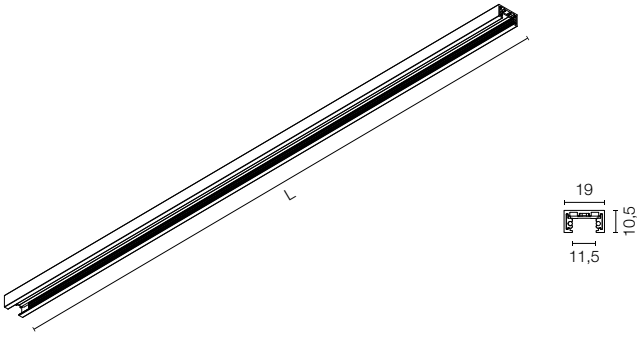


Profile

Elektromechanisches Profil für den Innenbereich (24 Vdc) - mit Längen von 1 bis 3 m - für die Oberflächeninstallation (Decke oder Wand) mit Befestigung mittels spezieller Schrauben und Dübel, die mit dem Profil geliefert werden. Netzstecker, Zwischenstecker und Abdeckungen müssen separat bestellt werden. Es sind L-, T- und X-förmige mechanische Durchführungen in der gleichen Ebene erhältlich. Außerdem verfügt es über einen linearen elektrischen Verbinder, um zwei Schienensegmente in derselben Ebene zu verbinden, und einen elektromechanischen 90°-Eckverbinder, um Profilsegmente in verschiedenen Ebenen (Decke-Wand und Wand-Innenwand) zu verbinden. Optional sind auch ästhetische Abdeckungen für den inneren Profilspalt erhältlich.

Profiles

Interior electromechanical profile (24Vdc) from 1 to 3m long for wall or ceiling installation, fastened with special screws and plugs provided with the profile. Request power connectors, intermediate connectors and covers separately. Feed unit joints available in the form of L, T and X in the same plane. It also has a linear electric connector for joining two track sections in the same plane and a 90° electromechanical connector for joining profile sections in different planes (interior wall-wall, ceiling-wall). Aesthetic covers for the inner profile gap available as an option.



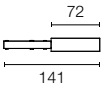
L: 1 m / 2 m / 3 m

Non Dimmable	Dimmable
L: 1000 mm	L: 1000 mm
06.2603.40	06.2600.40
06.2603.14	06.2600.14
06.2603.EQ	06.2600.EQ
06.2603.ER	06.2600.ER
06.2603.ES	06.2600.ES
L: 2000 mm	L: 2000 mm
06.2604.40	06.2601.40
06.2604.14	06.2601.14
06.2604.EQ	06.2601.EQ
06.2604.ER	06.2601.ER
06.2604.ES	06.2601.ES
L: 3000 mm	L: 3000 mm
06.2605.40	06.2602.40
06.2605.14	06.2602.14

NEW

Ursprünglicher Stromanschluss
Netzgerät für die Fernspeisung. Das Einführen des Netzkabels ist sowohl von hinten als auch von der Seite möglich.

Live End Feed
Feed unit for remote power supply unit. Power cable inserting is possible both from the Rear and the side.

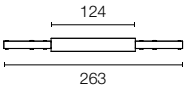


Non Dimmable
- 06.2613.40
- 06.2613.14
- 06.2613.EQ
- 06.2613.ER
- 06.2613.ES

Dimmable
- 06.2606.40
- 06.2606.14
- 06.2606.EQ
- 06.2606.ER
- 06.2606.ES

Linearer Stromanschluss
Zwischengeschalteter Stromanschluss.
Stromkabelzuführung von hinten.

Linear Connector Feed
Feed intermediate connector. Rear feeding cable entry.



Non Dimmable
- 06.2621.40
- 06.2621.14
- 06.2621.EQ
- 06.2621.ER
- 06.2621.ES

Dimmable
- 06.2607.40
- 06.2607.14
- 06.2607.EQ
- 06.2607.ER
- 06.2607.ES

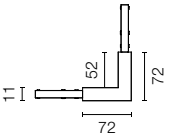
Gerader Anschluss
Zwischenstecker ohne Stromanschluss.

Straight Connector
Intermediate connector with no feed entry.

- 06.2608.40
- 06.2608.14

Stromversorgung 90°-Ecke
Flache Ecke 90°. Mit Strom versorgbar. Mit Aussparung für rückseitigen Anschluss.
Stromkabelzuführung von hinten.

90° Corner Feed
90° flat corner. Can be powered. It has a rear space for the supply connection. Rear feeding cable entry.

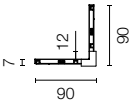


Non Dimmable
- 06.2614.40
- 06.2614.14
- 06.2614.EQ
- 06.2614.ER
- 06.2614.ES

Dimmable
- 06.2609.40
- 06.2609.14
- 06.2609.EQ
- 06.2609.ER
- 06.2609.ES

Innenecke
Innenecke Decke/Wand - Wand/Wand. Stromkabelzuführung von hinten.

Inner Corner
Ceiling/wall - wall/wall inner corner. Rear feeding cable entry.



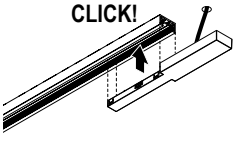
- 06.2610.40
- 06.2610.14

HOW TO INSTALL ZERO TRACK PRO

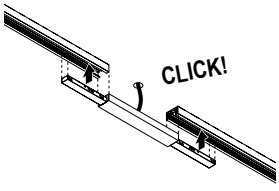
Installationsbeispiele. Gültig für: Feed Elements[A], Connectors[A], Inner Corner[A], Power Supply Boxes[A], Blind End[B] und Track Covers[C].

Installation Examples. Valid for: Feed Elements[A], Connectors[A], Inner Corner[A], Power Supply Boxes[A], Blind End[B] and Track Covers[C].

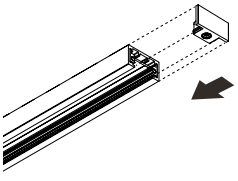
A



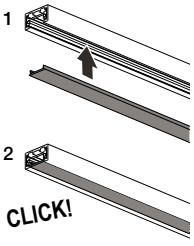
A



B

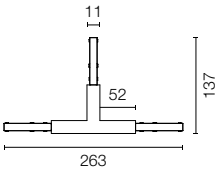


C



T-förmiger Stromanschluss
T-förmiger Anschluss. Mit Strom versorgbar, mit Aussparung für rückseitigen Anschluss. Stromkabelzuführung von hinten.

T Connector Feed
T-shaped connector. Can be powered via connections on the back. Rear feeding cable entry.

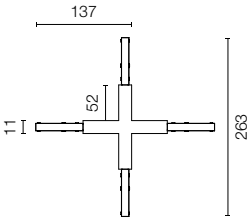


Non Dimmable
06.2615.40
06.2615.14
06.2615.EQ
06.2615.ER
06.2615.ES

Dimmable
06.2611.40
06.2611.14
06.2611.EQ
06.2611.ER
06.2611.ES

Kreuzförmiger Stromanschluss
Kreuzförmiger Anschluss. Mit Strom versorgbar, mit Aussparung für rückseitigen Anschluss. Stromkabelzuführung von hinten.

X Connector Feed
Cross-shaped connector. Can be powered via connections on the back. Rear feeding cable entry.

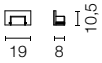


Non Dimmable
06.2616.40
06.2616.14
06.2616.EQ
06.2616.ER
06.2616.ES

Dimmable
06.2612.40
06.2612.14
06.2612.EQ
06.2612.ER
06.2612.ES

Abschließbares Terminal
Deckel.

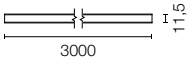
Blind End
End Cap.



06.2617.40
06.2617.14
06.2617.EQ
06.2617.ER
06.2617.ES

Profil Kappe
Kappe zur Abdeckung der Innenseite des Profils. Nur in Schwarz und Weiß erhältlich.

Track Cover
Attractive cover for the inside of the profile. Only available in black and white.



06.2618.40A
06.2618.14A

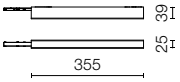
NEW

Treiber / Drivers

Surface Installation Driver (Only Surface Track)

Endstromversorgung für die Oberflächeninstallation.

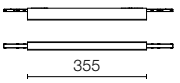
Power supply surface end.



96W - 220/240V
06.2619.40
06.2619.14
06.2619.EQ
06.2619.ER
06.2619.ES

Zwischenstromversorgung für die Oberflächenmontage.

Power supply surface middle.

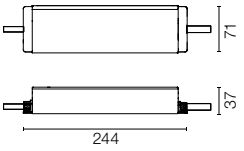


96W - 220/240V
06.2620.40
06.2620.14
06.2620.EQ
06.2620.ER
06.2620.ES

Remote Installation (Recessed and Surface Track)

LED-Netzteil für den Ferneinbau im Verteiler 24V/200W.

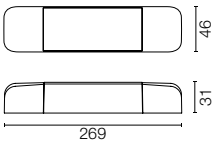
LED power supply source for remote installation in 24V/200W electric control panel.



200W - 100/240V
60.9352

Netzteil für beständiger Spannung 24V - 120W, 220-240W- 50/60Hz.

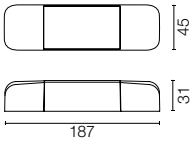
Power supply source with constant voltage 24V - 120W, 220-240W- 50/60Hz.



120W - 220/240V
60.9777A

Netzteil für beständiger Spannung 24V - 60W, 220-240W- 50/60Hz.

Power supply source with constant voltage 24V - 60W, 220-240W- 50/60Hz.

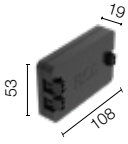


60W - 220/240V
60.9705

Steuereinheit / Control Units

Dimmbares Steuergerät 1-10 V, 24/48 V. Für die Ferninstallation. Um passive Systeme (SINK) in aktive (SOURCE) umzuwandeln. Muss zwischen Steuereinheit und Schiene angebracht werden. Wichtiger Hinweis: Höchstens 25 Lichtmodule.

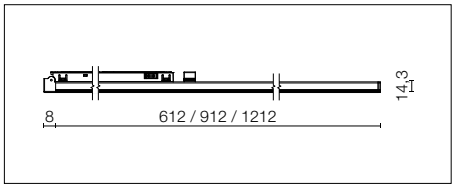
Control dimming box, 1-10V, 24/48V. For remote installation. For transforming passive systems (SINK) into active systems (SOURCE). It must be positioned between the control unit and the track. Important note: Maximum of 25 light modules.

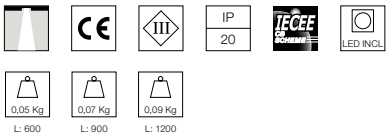


DIM 1-10V - 24/48V
08.0613.14A

Light Stripe Recessed

Top LED - L: 600 mm - 7W - 555 lm - 2700K/CRI 90 / 582 lm - 3000K/CRI 90
L: 900 mm - 10W - 1111 lm - 2700K/CRI 90 / 1166 lm - 3000K/CRI 90
L: 1200 mm - 13,5W - 1667 lm - 2700K/CRI 90 / 1750 lm - 3000K/CRI 90





LED-Modul für diffuse Beleuchtung zur Installation im Einbausystem Zero Track Pro. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.

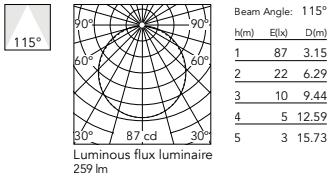
LED diffuse lighting module for installation in the Zero Track Pro recessed system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

L: 600 - 2700K

Non Dimmable
05.5290.14

Dali
05.5290.14.DA

1-10V
05.5290.14.1V



Luminous flux luminaire
259 lm

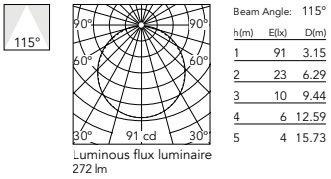
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	87	3.15
2	22	6.29
3	10	9.44
4	5	12.59
5	3	15.73

L: 600 - 3000K

Non Dimmable
05.5291.14

Dali
05.5291.14.DA

1-10V
05.5291.14.1V



Luminous flux luminaire
272 lm

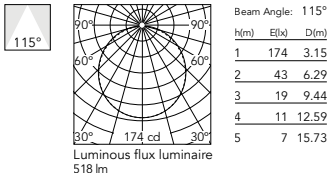
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	91	3.15
2	23	6.29
3	10	9.44
4	6	12.59
5	4	15.73

L: 900 - 2700K

Non Dimmable
05.5292.14

Dali
05.5292.14.DA

1-10V
05.5292.14.1V



Luminous flux luminaire
518 lm

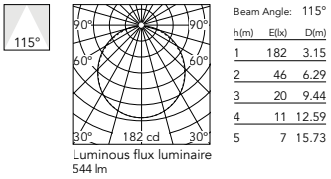
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	174	3.15
2	43	6.29
3	19	9.44
4	11	12.59
5	7	15.73

L: 900 - 3000K

Non Dimmable
05.5293.14

Dali
05.5293.14.DA

1-10V
05.5293.14.1V



Luminous flux luminaire
544 lm

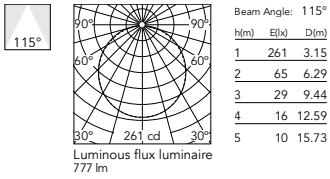
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	182	3.15
2	46	6.29
3	20	9.44
4	11	12.59
5	7	15.73

L: 1200 - 2700K

Non Dimmable
05.5294.14

Dali
05.5294.14.DA

1-10V
05.5294.14.1V



Luminous flux luminaire
777 lm

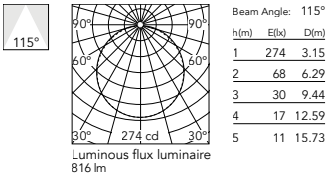
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	261	3.15
2	65	6.29
3	29	9.44
4	16	12.59
5	10	15.73

L: 1200 - 3000K

Non Dimmable
05.5295.14

Dali
05.5295.14.DA

1-10V
05.5295.14.1V



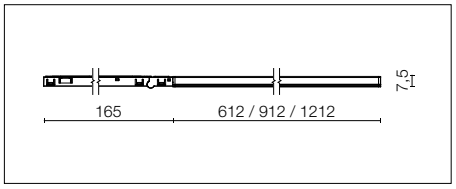
Luminous flux luminaire
816 lm

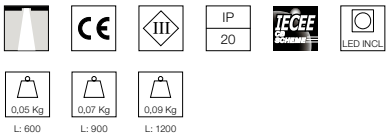
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	274	3.15
2	68	6.29
3	30	9.44
4	17	12.59
5	11	15.73

NEW

Light Stripe

Top LED - L: 600 mm - 7W - 555 lm - 2700K/CRI 90 / 582 lm - 3000K/CRI 90
L: 900 mm - 10W - 1111 lm - 2700K/CRI 90 / 1166 lm - 3000K/CRI 90
L: 1200 mm - 13,5W - 1667 lm - 2700K/CRI 90 / 1750 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit diffusem Licht für den Einbau in das Zero Track Pro System. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.

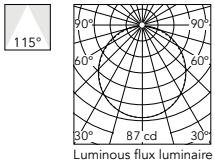
LED diffuse lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

L: 600 - 2700K

Non Dimmable
05.5190.14

Dali
05.5190.14.DA

1-10V
05.5190.14.1V



Luminous flux luminaire
259 lm

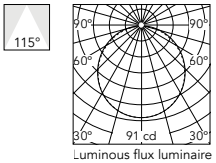
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	87	3.15
2	22	6.29
3	10	9.44
4	5	12.59
5	3	15.73

L: 600 - 3000K

Non Dimmable
05.5191.14

Dali
05.5191.14.DA

1-10V
05.5191.14.1V



Luminous flux luminaire
272 lm

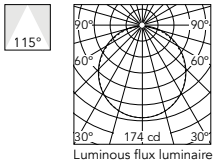
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	91	3.15
2	23	6.29
3	10	9.44
4	6	12.59
5	4	15.73

L: 900 - 2700K

Non Dimmable
05.5192.14

Dali
05.5192.14.DA

1-10V
05.5192.14.1V



Luminous flux luminaire
518 lm

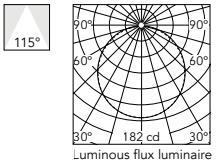
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	174	3.15
2	43	6.29
3	19	9.44
4	11	12.59
5	7	15.73

L: 900 - 3000K

Non Dimmable
05.5193.14

Dali
05.5193.14.DA

1-10V
05.5193.14.1V



Luminous flux luminaire
544 lm

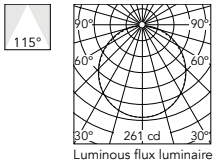
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	182	3.15
2	46	6.29
3	20	9.44
4	11	12.59
5	7	15.73

L: 1200 - 2700K

Non Dimmable
05.5194.14

Dali
05.5194.14.DA

1-10V
05.5194.14.1V



Luminous flux luminaire
777 lm

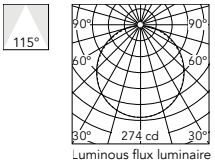
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	261	3.15
2	65	6.29
3	29	9.44
4	16	12.59
5	10	15.73

L: 1200 - 3000K

Non Dimmable
05.5195.14

Dali
05.5195.14.DA

1-10V
05.5195.14.1V

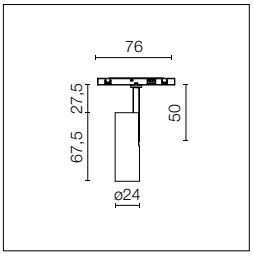


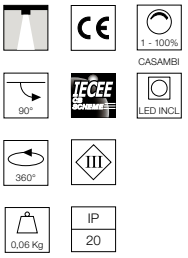
Luminous flux luminaire
816 lm

Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	274	3.15
2	68	6.29
3	30	9.44
4	17	12.59
5	11	15.73

Find Me 0 Designed By Jorge Herrera

Power LED 3,5W - 276 lm - 2700K/CRI 90 / 302 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

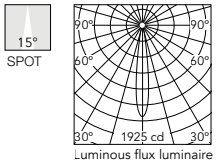
Optic Spot - 2700K

Non Dimmable

- 05.5100.40
- 05.5100.14
- 05.5100.EQ
- 05.5100.ER
- 05.5100.ES

Casambi

- 05.5100.40.CB
- 05.5100.14.CB
- 05.5100.EQ.CB
- 05.5100.ER.CB
- 05.5100.ES.CB



Luminous flux luminaire
169 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1925	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

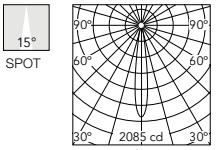
Optic Spot - 3000K

Non Dimmable

- 05.5105.40
- 05.5105.14
- 05.5105.EQ
- 05.5105.ER
- 05.5105.ES

Casambi

- 05.5105.40.CB
- 05.5105.14.CB
- 05.5105.EQ.CB
- 05.5105.ER.CB
- 05.5105.ES.CB



Luminous flux luminaire
183 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	2085	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

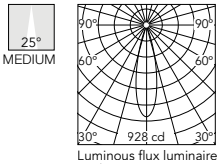
Optic Medium - 2700K

Non Dimmable

- 05.5101.40
- 05.5101.14
- 05.5101.EQ
- 05.5101.ER
- 05.5101.ES

Casambi

- 05.5101.40.CB
- 05.5101.14.CB
- 05.5101.EQ.CB
- 05.5101.ER.CB
- 05.5101.ES.CB



Luminous flux luminaire
179 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	928	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

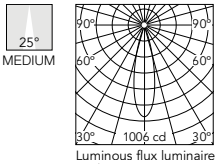
Optic Medium - 3000K

Non Dimmable

- 05.5106.40
- 05.5106.14
- 05.5106.EQ
- 05.5106.ER
- 05.5106.ES

Casambi

- 05.5106.40.CB
- 05.5106.14.CB
- 05.5106.EQ.CB
- 05.5106.ER.CB
- 05.5106.ES.CB



Luminous flux luminaire
194 lm

Beam Angle: 25°

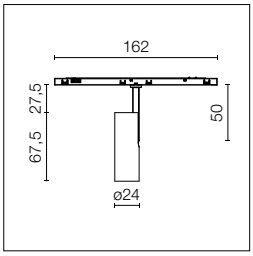
h(m)	E(lx)	D(m)
1	1006	0.45
2	251	0.89
3	112	1.34
4	63	1.79
5	40	2.23

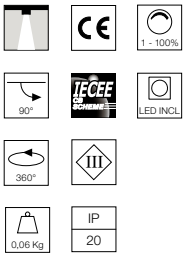
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 0 Designed By Jorge Herrera

Power LED 3,5W - 276 lm - 2700K/CRI 90 / 302 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V. Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Accessories included (honeycomb grid and protection bar).

Optic Spot - 2700K

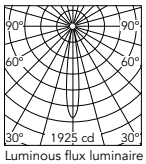
Dali

- 05.5100.40.DA
- 05.5100.14.DA
- 05.5100.EQ.DA
- 05.5100.ER.DA
- 05.5100.ES.DA

1-10V

- 05.5100.40.1V
- 05.5100.14.1V
- 05.5100.EQ.1V
- 05.5100.ER.1V
- 05.5100.ES.1V

15°
SPOT



Luminous flux luminaire
169 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1925	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

Optic Spot - 3000K

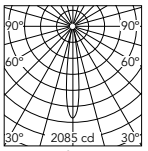
Dali

- 05.5105.40.DA
- 05.5105.14.DA
- 05.5105.EQ.DA
- 05.5105.ER.DA
- 05.5105.ES.DA

1-10V

- 05.5105.40.1V
- 05.5105.14.1V
- 05.5105.EQ.1V
- 05.5105.ER.1V
- 05.5105.ES.1V

15°
SPOT



Luminous flux luminaire
183 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	2085	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

Optic Medium - 2700K

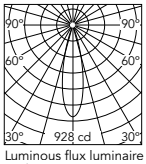
Dali

- 05.5101.40.DA
- 05.5101.14.DA
- 05.5101.EQ.DA
- 05.5101.ER.DA
- 05.5101.ES.DA

1-10V

- 05.5101.40.1V
- 05.5101.14.1V
- 05.5101.EQ.1V
- 05.5101.ER.1V
- 05.5101.ES.1V

25°
MEDIUM



Luminous flux luminaire
179 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	928	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

Optic Medium - 3000K

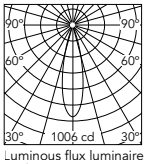
Dali

- 05.5106.40.DA
- 05.5106.14.DA
- 05.5106.EQ.DA
- 05.5106.ER.DA
- 05.5106.ES.DA

1-10V

- 05.5106.40.1V
- 05.5106.14.1V
- 05.5106.EQ.1V
- 05.5106.ER.1V
- 05.5106.ES.1V

25°
MEDIUM



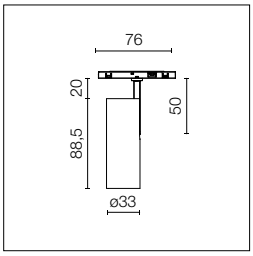
Luminous flux luminaire
194 lm

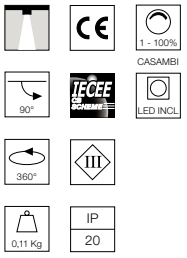
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1006	0.45
2	251	0.89
3	112	1.34
4	63	1.79
5	40	2.23

Find Me 1 Designed By Jorge Herrera

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

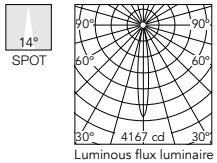
Optic Spot - 2700K

Non Dimmable

- 05.5110.40
- 05.5110.14
- 05.5110.EQ
- 05.5110.ER
- 05.5110.ES

Casambi

- 05.5110.40.CB
- 05.5110.14.CB
- 05.5110.EQ.CB
- 05.5110.ER.CB
- 05.5110.ES.CB



Luminous flux luminaire
309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

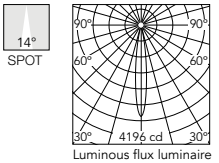
Optic Spot - 3000K

Non Dimmable

- 05.5115.40
- 05.5115.14
- 05.5115.EQ
- 05.5115.ER
- 05.5115.ES

Casambi

- 05.5115.40.CB
- 05.5115.14.CB
- 05.5115.EQ.CB
- 05.5115.ER.CB
- 05.5115.ES.CB



Luminous flux luminaire
314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

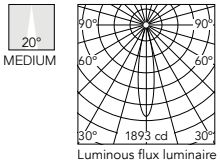
Optic Medium - 2700K

Non Dimmable

- 05.5111.40
- 05.5111.14
- 05.5111.EQ
- 05.5111.ER
- 05.5111.ES

Casambi

- 05.5111.40.CB
- 05.5111.14.CB
- 05.5111.EQ.CB
- 05.5111.ER.CB
- 05.5111.ES.CB



Luminous flux luminaire
284 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

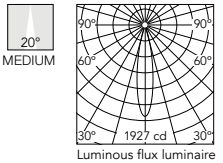
Optic Medium - 3000K

Non Dimmable

- 05.5116.40
- 05.5116.14
- 05.5116.EQ
- 05.5116.ER
- 05.5116.ES

Casambi

- 05.5116.40.CB
- 05.5116.14.CB
- 05.5116.EQ.CB
- 05.5116.ER.CB
- 05.5116.ES.CB



Luminous flux luminaire
289 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1927	0.35
2	482	0.70
3	214	1.06
4	120	1.41
5	77	1.76

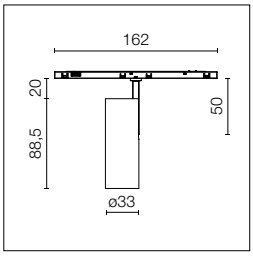
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

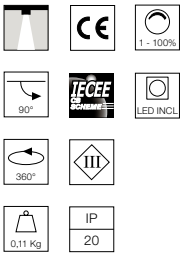
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 1 Designed By Jorge Herrera

Power LED 5,5W - 450 lm - 2700K/CRI 90 / 485 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V. Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Accessories included (honeycomb grid and protection bar).

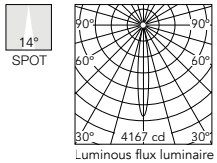
Optic Spot - 2700K

Dali

- 05.5110.40.DA
- 05.5110.14.DA
- 05.5110.EQ.DA
- 05.5110.ER.DA
- 05.5110.ES.DA

1-10V

- 05.5110.40.1V
- 05.5110.14.1V
- 05.5110.EQ.1V
- 05.5110.ER.1V
- 05.5110.ES.1V



Luminous flux luminaire
309 lm

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

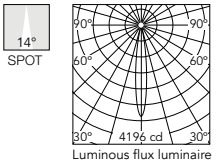
Optic Spot - 3000K

Dali

- 05.5115.40.DA
- 05.5115.14.DA
- 05.5115.EQ.DA
- 05.5115.ER.DA
- 05.5115.ES.DA

1-10V

- 05.5115.40.1V
- 05.5115.14.1V
- 05.5115.EQ.1V
- 05.5115.ER.1V
- 05.5115.ES.1V



Luminous flux luminaire
314 lm

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

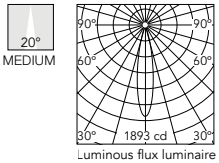
Optic Medium - 2700K

Dali

- 05.5111.40.DA
- 05.5111.14.DA
- 05.5111.EQ.DA
- 05.5111.ER.DA
- 05.5111.ES.DA

1-10V

- 05.5111.40.1V
- 05.5111.14.1V
- 05.5111.EQ.1V
- 05.5111.ER.1V
- 05.5111.ES.1V



Luminous flux luminaire
284 lm

Beam Angle:	20°
h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

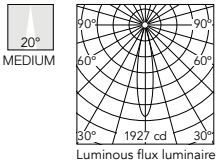
Optic Medium - 3000K

Dali

- 05.5116.40.DA
- 05.5116.14.DA
- 05.5116.EQ.DA
- 05.5116.ER.DA
- 05.5116.ES.DA

1-10V

- 05.5116.40.1V
- 05.5116.14.1V
- 05.5116.EQ.1V
- 05.5116.ER.1V
- 05.5116.ES.1V

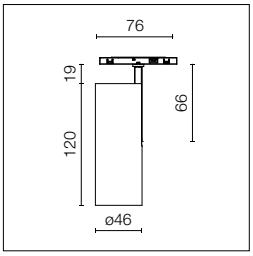


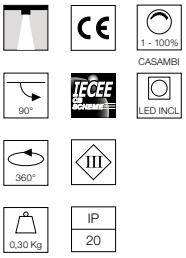
Luminous flux luminaire
289 lm

Beam Angle:	20°
h(m)	E(lx)	D(m)
1	1927	0.35
2	482	0.70
3	214	1.06
4	120	1.41
5	77	1.76

Find Me 2 Designed By Jorge Herrera

Power LED 10,5W - 724 lm - 2700K/CRI90 / 781 lm - 3000K/CRI90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Inklusive Zubehör (Honeycomb und Abschirmhalterung).
Achtung: Nur Deckenmontage.

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).
Warning: Only ceiling installation.

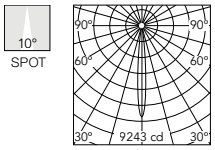
Optic Spot - 2700K

Non Dimmable

- 05.5120.40
- 05.5120.14
- 05.5120.EQ
- 05.5120.ER
- 05.5120.ES

Casambi

- 05.5120.40.CB
- 05.5120.14.CB
- 05.5120.EQ.CB
- 05.5120.ER.CB
- 05.5120.ES.CB



Luminous flux luminaire
479 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	9243 0.18
2	2311 0.35
3	1027 0.53
4	578 0.70
5	370 0.88

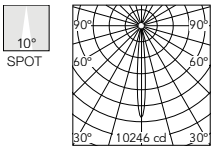
Optic Spot - 3000K

Non Dimmable

- 05.5125.40
- 05.5125.14
- 05.5125.EQ
- 05.5125.ER
- 05.5125.ES

Casambi

- 05.5125.40.CB
- 05.5125.14.CB
- 05.5125.EQ.CB
- 05.5125.ER.CB
- 05.5125.ES.CB



Luminous flux luminaire
531 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	10246 0.18
2	2562 0.35
3	1138 0.53
4	640 0.70
5	410 0.88

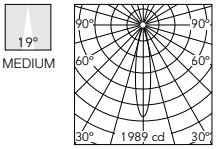
Optic Medium - 2700K

Non Dimmable

- 05.5121.40
- 05.5121.14
- 05.5121.EQ
- 05.5121.ER
- 05.5121.ES

Casambi

- 05.5121.40.CB
- 05.5121.14.CB
- 05.5121.EQ.CB
- 05.5121.ER.CB
- 05.5121.ES.CB



Luminous flux luminaire
441 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	1989 0.34
2	497 0.67
3	221 1.01
4	124 1.34
5	80 1.68

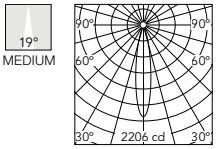
Optic Medium - 3000K

Non Dimmable

- 05.5126.40
- 05.5126.14
- 05.5126.EQ
- 05.5126.ER
- 05.5126.ES

Casambi

- 05.5126.40.CB
- 05.5126.14.CB
- 05.5126.EQ.CB
- 05.5126.ER.CB
- 05.5126.ES.CB



Luminous flux luminaire
489 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2206 0.34
2	551 0.67
3	245 1.01
4	138 1.34
5	88 1.68

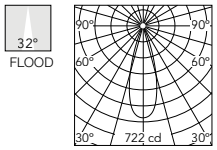
Optic Flood - 2700K

Non Dimmable

- 05.5122.40
- 05.5122.14
- 05.5122.EQ
- 05.5122.ER
- 05.5122.ES

Casambi

- 05.5122.40.CB
- 05.5122.14.CB
- 05.5122.EQ.CB
- 05.5122.ER.CB
- 05.5122.ES.CB



Luminous flux luminaire
364 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	722 0.57
2	180 1.15
3	80 1.72
4	45 2.29
5	29 2.87

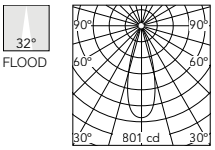
Optic Flood - 3000K

Non Dimmable

- 05.5127.40
- 05.5127.14
- 05.5127.EQ
- 05.5127.ER
- 05.5127.ES

Casambi

- 05.5127.40.CB
- 05.5127.14.CB
- 05.5127.EQ.CB
- 05.5127.ER.CB
- 05.5127.ES.CB



Luminous flux luminaire
404 lm

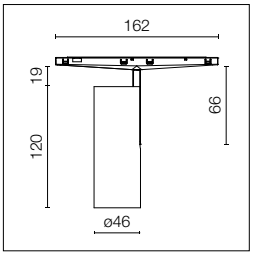
Beam Angle:	32°
h(m)	E(lx) D(m)
1	801 0.57
2	200 1.15
3	89 1.72
4	50 2.29
5	32 2.87

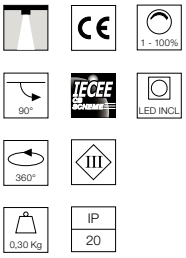
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 2 Designed By Jorge Herrera

Power LED 10,5W - 724 lm - 2700K/CRI90 / 781 lm - 3000K/CRI90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V. Inklusive Zubehör (Honeycomb und Abschirmhalterung).
Achtung: Nur Deckenmontage.

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Accessories included (honeycomb grid and protection bar).
Warning: Only ceiling installation.

Optic Spot - 2700K

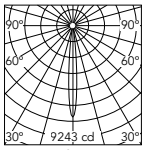
Dali

- 05.5120.40.DA
- 05.5120.14.DA
- 05.5120.EQ.DA
- 05.5120.ER.DA
- 05.5120.ES.DA

1-10V

- 05.5120.40.1V
- 05.5120.14.1V
- 05.5120.EQ.1V
- 05.5120.ER.1V
- 05.5120.ES.1V

10° SPOT



Luminous flux luminaire 479 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	9243 0.18
2	2311 0.35
3	1027 0.53
4	578 0.70
5	370 0.88

Optic Spot - 3000K

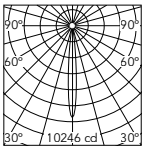
Dali

- 05.5125.40.DA
- 05.5125.14.DA
- 05.5125.EQ.DA
- 05.5125.ER.DA
- 05.5125.ES.DA

1-10V

- 05.5125.40.1V
- 05.5125.14.1V
- 05.5125.EQ.1V
- 05.5125.ER.1V
- 05.5125.ES.1V

10° SPOT



Luminous flux luminaire 531 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	10246 0.18
2	2562 0.35
3	1138 0.53
4	640 0.70
5	410 0.88

Optic Medium - 2700K

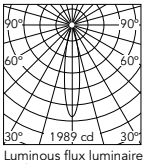
Dali

- 05.5121.40.DA
- 05.5121.14.DA
- 05.5121.EQ.DA
- 05.5121.ER.DA
- 05.5121.ES.DA

1-10V

- 05.5121.40.1V
- 05.5121.14.1V
- 05.5121.EQ.1V
- 05.5121.ER.1V
- 05.5121.ES.1V

19° MEDIUM



Luminous flux luminaire 441 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	1989 0.34
2	497 0.67
3	221 1.01
4	124 1.34
5	80 1.68

Optic Medium - 3000K

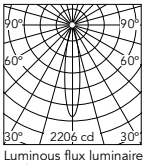
Dali

- 05.5126.40.DA
- 05.5126.14.DA
- 05.5126.EQ.DA
- 05.5126.ER.DA
- 05.5126.ES.DA

1-10V

- 05.5126.40.1V
- 05.5126.14.1V
- 05.5126.EQ.1V
- 05.5126.ER.1V
- 05.5126.ES.1V

19° MEDIUM



Luminous flux luminaire 489 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2206 0.34
2	551 0.67
3	245 1.01
4	138 1.34
5	88 1.68

Optic Flood - 2700K

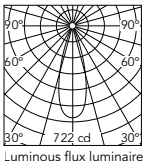
Dali

- 05.5122.40.DA
- 05.5122.14.DA
- 05.5122.EQ.DA
- 05.5122.ER.DA
- 05.5122.ES.DA

1-10V

- 05.5122.40.1V
- 05.5122.14.1V
- 05.5122.EQ.1V
- 05.5122.ER.1V
- 05.5122.ES.1V

32° FLOOD



Luminous flux luminaire 364 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	722 0.57
2	180 1.15
3	80 1.72
4	45 2.29
5	29 2.87

Optic Flood - 3000K

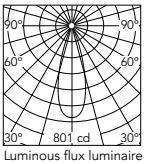
Dali

- 05.5127.40.DA
- 05.5127.14.DA
- 05.5127.EQ.DA
- 05.5127.ER.DA
- 05.5127.ES.DA

1-10V

- 05.5127.40.1V
- 05.5127.14.1V
- 05.5127.EQ.1V
- 05.5127.ER.1V
- 05.5127.ES.1V

32° FLOOD

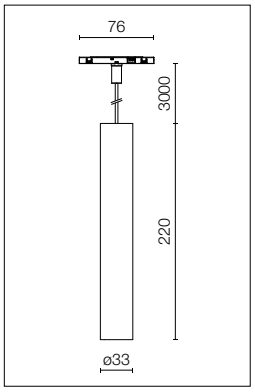


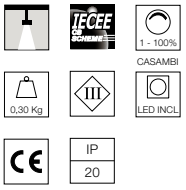
Luminous flux luminaire 404 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	801 0.57
2	200 1.15
3	89 1.72
4	50 2.29
5	32 2.87

Find Me 1 Suspension Designed By Jorge Herrera

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play). Kann nicht an vertikalen Schienen montiert werden. Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Cannot be installed on vertical tracks. Accessories included (honeycomb grid and protection bar).

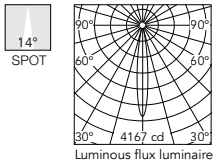
Optic Spot - 2700K

Non Dimmable

- 05.5130.40
- 05.5130.14
- 05.5130.EQ
- 05.5130.ER
- 05.5130.ES

Casambi

- 05.5130.40.CB
- 05.5130.14.CB
- 05.5130.EQ.CB
- 05.5130.ER.CB
- 05.5130.ES.CB



Luminous flux luminaire
309 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

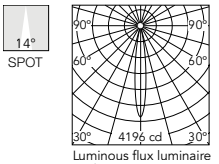
Optic Spot - 3000K

Non Dimmable

- 05.5135.40
- 05.5135.14
- 05.5135.EQ
- 05.5135.ER
- 05.5135.ES

Casambi

- 05.5135.40.CB
- 05.5135.14.CB
- 05.5135.EQ.CB
- 05.5135.ER.CB
- 05.5135.ES.CB



Luminous flux luminaire
314 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

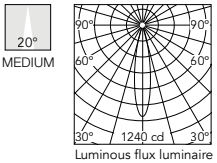
Optic Medium - 2700K

Non Dimmable

- 05.5131.40
- 05.5131.14
- 05.5131.EQ
- 05.5131.ER
- 05.5131.ES

Casambi

- 05.5131.40.CB
- 05.5131.14.CB
- 05.5131.EQ.CB
- 05.5131.ER.CB
- 05.5131.ES.CB



Luminous flux luminaire
186 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	1240	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

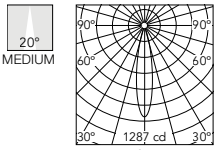
Optic Medium - 3000K

Non Dimmable

- 05.5136.40
- 05.5136.14
- 05.5136.EQ
- 05.5136.ER
- 05.5136.ES

Casambi

- 05.5136.40.CB
- 05.5136.14.CB
- 05.5136.EQ.CB
- 05.5136.ER.CB
- 05.5136.ES.CB



Luminous flux luminaire
193 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	1287	0.35
2	322	0.70
3	143	1.06
4	80	1.41
5	51	1.76

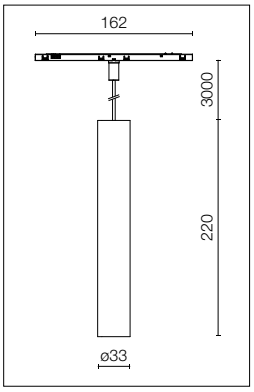
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

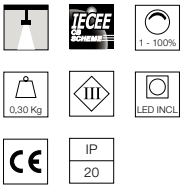
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Find Me 1 Suspension Designed By Jorge Herrera

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V. Kann nicht an vertikalen Schienen montiert werden. Inklusive Zubehör (Honeycomb und Abschirmhalterung).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Cannot be installed on vertical tracks. Accessories included (honeycomb grid and protection bar).

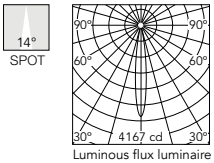
Optic Spot - 2700K

Dali

- 05.5130.40.DA
- 05.5130.14.DA
- 05.5130.EQ.DA
- 05.5130.ER.DA
- 05.5130.ES.DA

1-10V

- 05.5130.40.1V
- 05.5130.14.1V
- 05.5130.EQ.1V
- 05.5130.ER.1V
- 05.5130.ES.1V



Luminous flux luminaire
309 lm

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

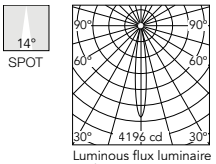
Optic Spot - 3000K

Dali

- 05.5135.40.DA
- 05.5135.14.DA
- 05.5135.EQ.DA
- 05.5135.ER.DA
- 05.5135.ES.DA

1-10V

- 05.5135.40.1V
- 05.5135.14.1V
- 05.5135.EQ.1V
- 05.5135.ER.1V
- 05.5135.ES.1V



Luminous flux luminaire
314 lm

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

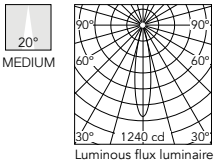
Optic Medium - 2700K

Dali

- 05.5131.40.DA
- 05.5131.14.DA
- 05.5131.EQ.DA
- 05.5131.ER.DA
- 05.5131.ES.DA

1-10V

- 05.5131.40.1V
- 05.5131.14.1V
- 05.5131.EQ.1V
- 05.5131.ER.1V
- 05.5131.ES.1V



Luminous flux luminaire
186 lm

Beam Angle:	20°
h(m)	E(lx)	D(m)
1	1240	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

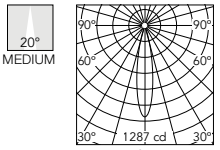
Optic Medium - 3000K

Dali

- 05.5136.40.DA
- 05.5136.14.DA
- 05.5136.EQ.DA
- 05.5136.ER.DA
- 05.5136.ES.DA

1-10V

- 05.5136.40.1V
- 05.5136.14.1V
- 05.5136.EQ.1V
- 05.5136.ER.1V
- 05.5136.ES.1V

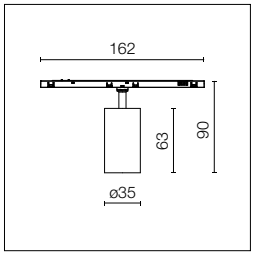


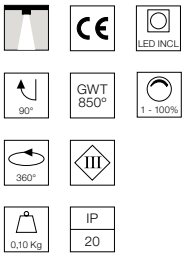
Luminous flux luminaire
193 lm

Beam Angle:	20°
h(m)	E(lx)	D(m)
1	1287	0.35
2	322	0.70
3	143	1.06
4	80	1.41
5	51	1.76

Light Shadow Spot 30

Power LED 4,7W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Optic Spot - 2700K

Non Dimmable

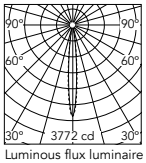
- 05.5170.40
- 05.5170.14
- 05.5170.EQ
- 05.5170.ER
- 05.5170.ES

Dali

- 05.5170.40.DA
- 05.5170.14.DA
- 05.5170.EQ.DA
- 05.5170.ER.DA
- 05.5170.ES.DA

1-10V

- 05.5170.40.1V
- 05.5170.14.1V
- 05.5170.EQ.1V
- 05.5170.ER.1V
- 05.5170.ES.1V



Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

Optic Flood - 2700K

Non Dimmable

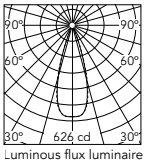
- 05.5172.40
- 05.5172.14
- 05.5172.EQ
- 05.5172.ER
- 05.5172.ES

Dali

- 05.5172.40.DA
- 05.5172.14.DA
- 05.5172.EQ.DA
- 05.5172.ER.DA
- 05.5172.ES.DA

1-10V

- 05.5172.40.1V
- 05.5172.14.1V
- 05.5172.EQ.1V
- 05.5172.ER.1V
- 05.5172.ES.1V



Luminous flux luminaire 200 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Optic Medium - 2700K

Non Dimmable

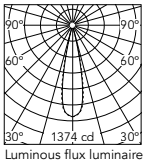
- 05.5171.40
- 05.5171.14
- 05.5171.EQ
- 05.5171.ER
- 05.5171.ES

Dali

- 05.5171.40.DA
- 05.5171.14.DA
- 05.5171.EQ.DA
- 05.5171.ER.DA
- 05.5171.ES.DA

1-10V

- 05.5171.40.1V
- 05.5171.14.1V
- 05.5171.EQ.1V
- 05.5171.ER.1V
- 05.5171.ES.1V



Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

Optic Wide Flood - 2700K

Non Dimmable

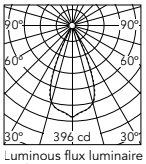
- 05.5173.40
- 05.5173.14
- 05.5173.EQ
- 05.5173.ER
- 05.5173.ES

Dali

- 05.5173.40.DA
- 05.5173.14.DA
- 05.5173.EQ.DA
- 05.5173.ER.DA
- 05.5173.ES.DA

1-10V

- 05.5173.40.1V
- 05.5173.14.1V
- 05.5173.EQ.1V
- 05.5173.ER.1V
- 05.5173.ES.1V



Luminous flux luminaire 209 lm

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

NEW

Optic Spot - 3000K

Non Dimmable

- 05.5175.40
- 05.5175.14
- 05.5175.EQ
- 05.5175.ER
- 05.5175.ES

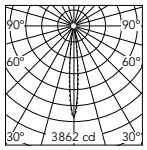
Dali

- 05.5175.40.DA
- 05.5175.14.DA
- 05.5175.EQ.DA
- 05.5175.ER.DA
- 05.5175.ES.DA

1-10V

- 05.5175.40.1V
- 05.5175.14.1V
- 05.5175.EQ.1V
- 05.5175.ER.1V
- 05.5175.ES.1V

SPOT



Luminous flux luminaire
214 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

Optic Flood - 3000K

Non Dimmable

- 05.5177.40
- 05.5177.14
- 05.5177.EQ
- 05.5177.ER
- 05.5177.ES

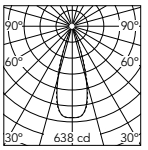
Dali

- 05.5177.40.DA
- 05.5177.14.DA
- 05.5177.EQ.DA
- 05.5177.ER.DA
- 05.5177.ES.DA

1-10V

- 05.5177.40.1V
- 05.5177.14.1V
- 05.5177.EQ.1V
- 05.5177.ER.1V
- 05.5177.ES.1V

FLOOD



Luminous flux luminaire
204 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Optic Medium - 3000K

Non Dimmable

- 05.5176.40
- 05.5176.14
- 05.5176.EQ
- 05.5176.ER
- 05.5176.ES

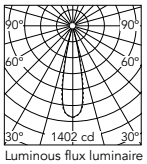
Dali

- 05.5176.40.DA
- 05.5176.14.DA
- 05.5176.EQ.DA
- 05.5176.ER.DA
- 05.5176.ES.DA

1-10V

- 05.5176.40.1V
- 05.5176.14.1V
- 05.5176.EQ.1V
- 05.5176.ER.1V
- 05.5176.ES.1V

MEDIUM



Luminous flux luminaire
205 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Wide Flood - 3000K

Non Dimmable

- 05.5178.40
- 05.5178.14
- 05.5178.EQ
- 05.5178.ER
- 05.5178.ES

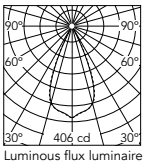
Dali

- 05.5178.40.DA
- 05.5178.14.DA
- 05.5178.EQ.DA
- 05.5178.ER.DA
- 05.5178.ES.DA

1-10V

- 05.5178.40.1V
- 05.5178.14.1V
- 05.5178.EQ.1V
- 05.5178.ER.1V
- 05.5178.ES.1V

WIDE
FLOOD



Luminous flux luminaire
214 lm

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

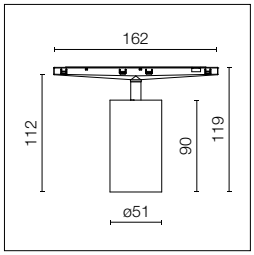
Zubehör / Accessories

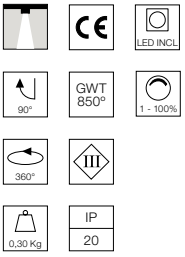
Light Shadow Spot 30

Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

LED Array 11W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Optic Spot - 2700K

Non Dimmable

- 05.5180.40
- 05.5180.14
- 05.5180.EQ
- 05.5180.ER
- 05.5180.ES

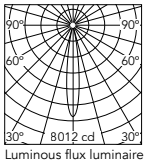
Dali

- 05.5180.40.DA
- 05.5180.14.DA
- 05.5180.EQ.DA
- 05.5180.ER.DA
- 05.5180.ES.DA

1-10V

- 05.5180.40.1V
- 05.5180.14.1V
- 05.5180.EQ.1V
- 05.5180.ER.1V
- 05.5180.ES.1V

SPOT



Luminous flux luminaire
650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Flood - 2700K

Non Dimmable

- 05.5182.40
- 05.5182.14
- 05.5182.EQ
- 05.5182.ER
- 05.5182.ES

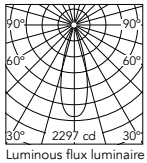
Dali

- 05.5182.40.DA
- 05.5182.14.DA
- 05.5182.EQ.DA
- 05.5182.ER.DA
- 05.5182.ES.DA

1-10V

- 05.5182.40.1V
- 05.5182.14.1V
- 05.5182.EQ.1V
- 05.5182.ER.1V
- 05.5182.ES.1V

FLOOD



Luminous flux luminaire
646 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Medium - 2700K

Non Dimmable

- 05.5181.40
- 05.5181.14
- 05.5181.EQ
- 05.5181.ER
- 05.5181.ES

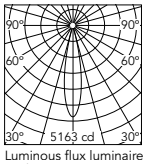
Dali

- 05.5181.40.DA
- 05.5181.14.DA
- 05.5181.EQ.DA
- 05.5181.ER.DA
- 05.5181.ES.DA

1-10V

- 05.5181.40.1V
- 05.5181.14.1V
- 05.5181.EQ.1V
- 05.5181.ER.1V
- 05.5181.ES.1V

MEDIUM



Luminous flux luminaire
645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

NEW

Optic Spot - 3000K

Non Dimmable

- 05.5185.40
- 05.5185.14
- 05.5185.EQ
- 05.5185.ER
- 05.5185.ES

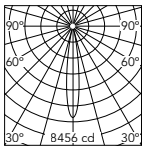
Dali

- 05.5185.40.DA
- 05.5185.14.DA
- 05.5185.EQ.DA
- 05.5185.ER.DA
- 05.5185.ES.DA

1-10V

- 05.5185.40.1V
- 05.5185.14.1V
- 05.5185.EQ.1V
- 05.5185.ER.1V
- 05.5185.ES.1V

SPOT



Luminous flux luminaire
686 lm

Beam Angle:		15°
h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

Optic Flood - 3000K

Non Dimmable

- 05.5187.40
- 05.5187.14
- 05.5187.EQ
- 05.5187.ER
- 05.5187.ES

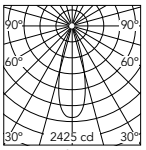
Dali

- 05.5187.40.DA
- 05.5187.14.DA
- 05.5187.EQ.DA
- 05.5187.ER.DA
- 05.5187.ES.DA

1-10V

- 05.5187.40.1V
- 05.5187.14.1V
- 05.5187.EQ.1V
- 05.5187.ER.1V
- 05.5187.ES.1V

FLOOD



Luminous flux luminaire
682 lm

Beam Angle:		31°
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Optic Medium - 3000K

Non Dimmable

- 05.5186.40
- 05.5186.14
- 05.5186.EQ
- 05.5186.ER
- 05.5186.ES

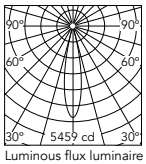
Dali

- 05.5186.40.DA
- 05.5186.14.DA
- 05.5186.EQ.DA
- 05.5186.ER.DA
- 05.5186.ES.DA

1-10V

- 05.5186.40.1V
- 05.5186.14.1V
- 05.5186.EQ.1V
- 05.5186.ER.1V
- 05.5186.ES.1V

MEDIUM



Luminous flux luminaire
682 lm

Beam Angle:		21°
h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

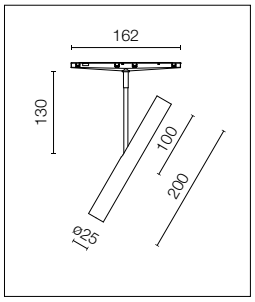
Zubehör / Accessories

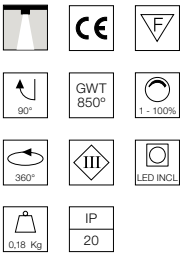
Light Shadow Spot 45

Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

My Spot Ø25 Short By Michael Anastassiades

Power LED
Non Dimming / 1-10V / Dali: 4,7W - 231 lm - 2700K/CRI 90 / 235 lm - 3000K/CRI 90
Casambi: 3,8W - 208 lm - 2700K/CRI 90 / 212 lm - 3000K/CRI 90





LED-Beleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig.
Achtung: Nur Deckenmontage.

LED lighting module for installation in the Zero Track Pro. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning.
In the downlight position, the track connector arm is perfectly flush with the product.
Warning: Only ceiling installation.

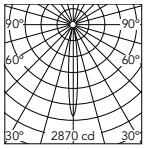
Optic Spot - 2700K

Non Dimmable
- 05.5300.40
- 05.5300.14
- 05.5300.EQ
- 05.5300.ER
- 05.5300.ES

Dali
- 05.5300.40.DA
- 05.5300.14.DA
- 05.5300.EQ.DA
- 05.5300.ER.DA
- 05.5300.ES.DA

1-10V
- 05.5300.40.1V
- 05.5300.14.1V
- 05.5300.EQ.1V
- 05.5300.ER.1V
- 05.5300.ES.1V

Casambi
- 05.5300.40.CB
- 05.5300.14.CB
- 05.5300.EQ.CB
- 05.5300.ER.CB
- 05.5300.ES.CB



Luminous flux luminaire
167 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2870	0.20
2	717	0.40
3	319	0.60
4	179	0.80
5	115	1.00

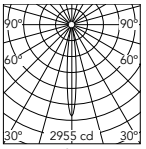
Optic Spot - 3000K

Non Dimmable
- 05.5305.40
- 05.5305.14
- 05.5305.EQ
- 05.5305.ER
- 05.5305.ES

Dali
- 05.5305.40.DA
- 05.5305.14.DA
- 05.5305.EQ.DA
- 05.5305.ER.DA
- 05.5305.ES.DA

1-10V
- 05.5305.40.1V
- 05.5305.14.1V
- 05.5305.EQ.1V
- 05.5305.ER.1V
- 05.5305.ES.1V

Casambi
- 05.5305.40.CB
- 05.5305.14.CB
- 05.5305.EQ.CB
- 05.5305.ER.CB
- 05.5305.ES.CB



Luminous flux luminaire
172 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2955	0.20
2	739	0.40
3	328	0.60
4	185	0.80
5	118	1.00

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Medium - 2700K

Non Dimmable

- 05.5301.40
- 05.5301.14
- 05.5301.EQ
- 05.5301.ER
- 05.5301.ES

Dali

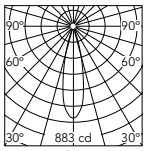
- 05.5301.40.DA
- 05.5301.14.DA
- 05.5301.EQ.DA
- 05.5301.ER.DA
- 05.5301.ES.DA

1-10V

- 05.5301.40.1V
- 05.5301.14.1V
- 05.5301.EQ.1V
- 05.5301.ER.1V
- 05.5301.ES.1V

Casambi

- 05.5301.40.CB
- 05.5301.14.CB
- 05.5301.EQ.CB
- 05.5301.ER.CB
- 05.5301.ES.CB



Luminous flux luminaire
173 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	883	0.44
2	221	0.87
3	98	1.31
4	55	1.75
5	35	2.18

Optic Medium - 3000K

Non Dimmable

- 05.5306.40
- 05.5306.14
- 05.5306.EQ
- 05.5306.ER
- 05.5306.ES

Dali

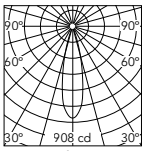
- 05.5306.40.DA
- 05.5306.14.DA
- 05.5306.EQ.DA
- 05.5306.ER.DA
- 05.5306.ES.DA

1-10V

- 05.5306.40.1V
- 05.5306.14.1V
- 05.5306.EQ.1V
- 05.5306.ER.1V
- 05.5306.ES.1V

Casambi

- 05.5306.40.CB
- 05.5306.14.CB
- 05.5306.EQ.CB
- 05.5306.ER.CB
- 05.5306.ES.CB



Luminous flux luminaire
178 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	908	0.44
2	227	0.87
3	101	1.31
4	57	1.75
5	36	2.18

Optic Flood - 2700K

Non Dimmable

- 05.5302.40
- 05.5302.14
- 05.5302.EQ
- 05.5302.ER
- 05.5302.ES

Dali

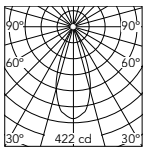
- 05.5302.40.DA
- 05.5302.14.DA
- 05.5302.EQ.DA
- 05.5302.ER.DA
- 05.5302.ES.DA

1-10V

- 05.5302.40.1V
- 05.5302.14.1V
- 05.5302.EQ.1V
- 05.5302.ER.1V
- 05.5302.ES.1V

Casambi

- 05.5302.40.CB
- 05.5302.14.CB
- 05.5302.EQ.CB
- 05.5302.ER.CB
- 05.5302.ES.CB



Luminous flux luminaire
170 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	422	0.72
2	106	1.45
3	47	2.17
4	26	2.90
5	17	3.62

Optic Flood - 3000K

Non Dimmable

- 05.5307.40
- 05.5307.14
- 05.5307.EQ
- 05.5307.ER
- 05.5307.ES

Dali

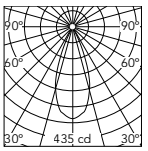
- 05.5307.40.DA
- 05.5307.14.DA
- 05.5307.EQ.DA
- 05.5307.ER.DA
- 05.5307.ES.DA

1-10V

- 05.5307.40.1V
- 05.5307.14.1V
- 05.5307.EQ.1V
- 05.5307.ER.1V
- 05.5307.ES.1V

Casambi

- 05.5307.40.CB
- 05.5307.14.CB
- 05.5307.EQ.CB
- 05.5307.ER.CB
- 05.5307.ES.CB



Luminous flux luminaire
175 lm

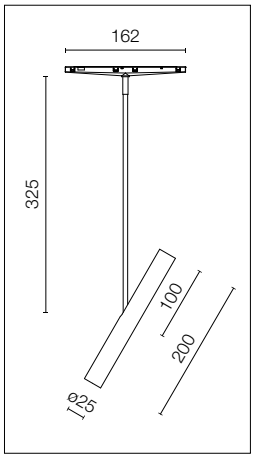
Beam Angle: 40°

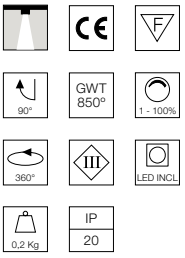
h(m)	E(lx)	D(m)
1	435	0.72
2	109	1.45
3	48	2.17
4	27	2.90
5	17	3.62

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

My Spot Ø25 Long By Michael Anastassiades

Power LED
Non Dimming / 1-10V / Dali: 4,7W - 231 lm - 2700K/CRI 90 / 235 lm - 3000K/CRI 90
Casambi: 3,8W - 208 lm - 2700K/CRI 90 / 212 lm - 3000K/CRI 90





LED-Beleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig.
Achtung: Nur Deckenmontage.

LED lighting module for installation in the Zero Track Pro. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning.
In the downlight position, the track connector arm is perfectly flush with the product.
Warning: Only ceiling installation.

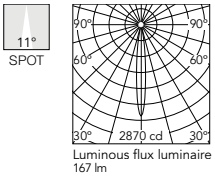
Optic Spot - 2700K

Non Dimmable
- 05.5310.40
- 05.5310.14
- 05.5310.EQ
- 05.5310.ER
- 05.5310.ES

Dali
- 05.5310.40.DA
- 05.5310.14.DA
- 05.5310.EQ.DA
- 05.5310.ER.DA
- 05.5310.ES.DA

1-10V
- 05.5310.40.1V
- 05.5310.14.1V
- 05.5310.EQ.1V
- 05.5310.ER.1V
- 05.5310.ES.1V

Casambi
- 05.5310.40.CB
- 05.5310.14.CB
- 05.5310.EQ.CB
- 05.5310.ER.CB
- 05.5310.ES.CB



Luminous flux luminaire
167 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2870	0.20
2	717	0.40
3	319	0.60
4	179	0.80
5	115	1.00

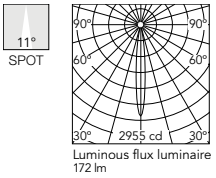
Optic Spot - 3000K

Non Dimmable
- 05.5315.40
- 05.5315.14
- 05.5315.EQ
- 05.5315.ER
- 05.5315.ES

Dali
- 05.5315.40.DA
- 05.5315.14.DA
- 05.5315.EQ.DA
- 05.5315.ER.DA
- 05.5315.ES.DA

1-10V
- 05.5315.40.1V
- 05.5315.14.1V
- 05.5315.EQ.1V
- 05.5315.ER.1V
- 05.5315.ES.1V

Casambi
- 05.5315.40.CB
- 05.5315.14.CB
- 05.5315.EQ.CB
- 05.5315.ER.CB
- 05.5315.ES.CB



Luminous flux luminaire
172 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2955	0.20
2	739	0.40
3	328	0.60
4	185	0.80
5	118	1.00

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Medium - 2700K

Non Dimmable

- 05.5311.40
- 05.5311.14
- 05.5311.EQ
- 05.5311.ER
- 05.5311.ES

Dali

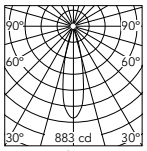
- 05.5311.40.DA
- 05.5311.14.DA
- 05.5311.EQ.DA
- 05.5311.ER.DA
- 05.5311.ES.DA

1-10V

- 05.5311.40.1V
- 05.5311.14.1V
- 05.5311.EQ.1V
- 05.5311.ER.1V
- 05.5311.ES.1V

Casambi

- 05.5311.40.CB
- 05.5311.14.CB
- 05.5311.EQ.CB
- 05.5311.ER.CB
- 05.5311.ES.CB



Luminous flux luminaire
173 lm

Beam Angle:		25°
h(m)	E(lx)	D(m)
1	883	0.44
2	221	0.87
3	98	1.31
4	55	1.75
5	35	2.18

Optic Medium - 3000K

Non Dimmable

- 05.5316.40
- 05.5316.14
- 05.5316.EQ
- 05.5316.ER
- 05.5316.ES

Dali

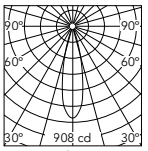
- 05.5316.40.DA
- 05.5316.14.DA
- 05.5316.EQ.DA
- 05.5316.ER.DA
- 05.5316.ES.DA

1-10V

- 05.5316.40.1V
- 05.5316.14.1V
- 05.5316.EQ.1V
- 05.5316.ER.1V
- 05.5316.ES.1V

Casambi

- 05.5316.40.CB
- 05.5316.14.CB
- 05.5316.EQ.CB
- 05.5316.ER.CB
- 05.5316.ES.CB



Luminous flux luminaire
178 lm

Beam Angle:		25°
h(m)	E(lx)	D(m)
1	908	0.44
2	227	0.87
3	101	1.31
4	57	1.75
5	36	2.18

Optic Flood - 2700K

Non Dimmable

- 05.5312.40
- 05.5312.14
- 05.5312.EQ
- 05.5312.ER
- 05.5312.ES

Dali

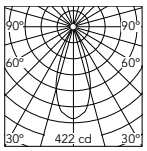
- 05.5312.40.DA
- 05.5312.14.DA
- 05.5312.EQ.DA
- 05.5312.ER.DA
- 05.5312.ES.DA

1-10V

- 05.5312.40.1V
- 05.5312.14.1V
- 05.5312.EQ.1V
- 05.5312.ER.1V
- 05.5312.ES.1V

Casambi

- 05.5312.40.CB
- 05.5312.14.CB
- 05.5312.EQ.CB
- 05.5312.ER.CB
- 05.5312.ES.CB



Luminous flux luminaire
170 lm

Beam Angle:		40°
h(m)	E(lx)	D(m)
1	422	0.72
2	106	1.45
3	47	2.17
4	26	2.90
5	17	3.62

Optic Flood - 3000K

Non Dimmable

- 05.5317.40
- 05.5317.14
- 05.5317.EQ
- 05.5317.ER
- 05.5317.ES

Dali

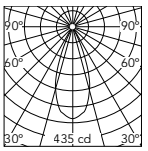
- 05.5317.40.DA
- 05.5317.14.DA
- 05.5317.EQ.DA
- 05.5317.ER.DA
- 05.5317.ES.DA

1-10V

- 05.5317.40.1V
- 05.5317.14.1V
- 05.5317.EQ.1V
- 05.5317.ER.1V
- 05.5317.ES.1V

Casambi

- 05.5317.40.CB
- 05.5317.14.CB
- 05.5317.EQ.CB
- 05.5317.ER.CB
- 05.5317.ES.CB



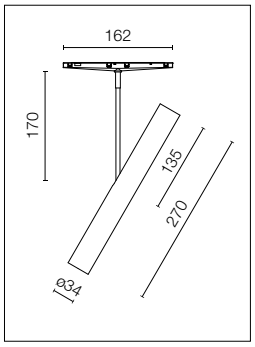
Luminous flux luminaire
175 lm

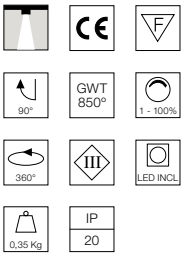
Beam Angle:		40°
h(m)	E(lx)	D(m)
1	435	0.72
2	109	1.45
3	48	2.17
4	27	2.90
5	17	3.62

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

My Spot Ø35 Short By Michael Anastassiades

LED Array
Non Dimming / 1-10V / Dali: 11W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/CRI 90
Casambi: 8W - 759 lm - 2700K/CRI 90 / 804 lm - 3000K/CRI 90





LED-Beleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig.
Achtung: Nur Deckenmontage.

LED lighting module for installation in the Zero Track Pro. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning.
In the downlight position, the track connector arm is perfectly flush with the product.
Warning: Only ceiling installation.

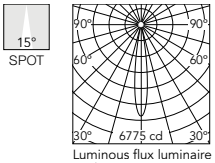
Optic Spot - 2700K

Non Dimmable
- 05.5320.40
- 05.5320.14
- 05.5320.EQ
- 05.5320.ER
- 05.5320.ES

Dali
- 05.5320.40.DA
- 05.5320.14.DA
- 05.5320.EQ.DA
- 05.5320.ER.DA
- 05.5320.ES.DA

1-10V
- 05.5320.40.1V
- 05.5320.14.1V
- 05.5320.EQ.1V
- 05.5320.ER.1V
- 05.5320.ES.1V

Casambi
- 05.5320.40.CB
- 05.5320.14.CB
- 05.5320.EQ.CB
- 05.5320.ER.CB
- 05.5320.ES.CB



Luminous flux luminaire
512 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6775	0.27
2	1694	0.53
3	753	0.80
4	423	1.07
5	271	1.34

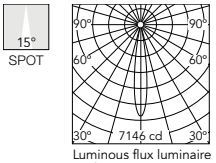
Optic Spot - 3000K

Non Dimmable
- 05.5325.40
- 05.5325.14
- 05.5325.EQ
- 05.5325.ER
- 05.5325.ES

Dali
- 05.5325.40.DA
- 05.5325.14.DA
- 05.5325.EQ.DA
- 05.5325.ER.DA
- 05.5325.ES.DA

1-10V
- 05.5325.40.1V
- 05.5325.14.1V
- 05.5325.EQ.1V
- 05.5325.ER.1V
- 05.5325.ES.1V

Casambi
- 05.5325.40.CB
- 05.5325.14.CB
- 05.5325.EQ.CB
- 05.5325.ER.CB
- 05.5325.ES.CB



Luminous flux luminaire
540 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7146	0.27
2	1786	0.53
3	794	0.80
4	447	1.07
5	286	1.34

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Medium - 2700K

Non Dimmable

- 05.5321.40
- 05.5321.14
- 05.5321.EQ
- 05.5321.ER
- 05.5321.ES

Dali

- 05.5321.40.DA
- 05.5321.14.DA
- 05.5321.EQ.DA
- 05.5321.ER.DA
- 05.5321.ES.DA

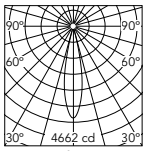
1-10V

- 05.5321.40.1V
- 05.5321.14.1V
- 05.5321.EQ.1V
- 05.5321.ER.1V
- 05.5321.ES.1V

Casambi

- 05.5321.40.CB
- 05.5321.14.CB
- 05.5321.EQ.CB
- 05.5321.ER.CB
- 05.5321.ES.CB

MEDIUM



Luminous flux luminaire
567 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4662	0.38
2	1166	0.75
3	518	1.13
4	291	1.51
5	186	1.88

Optic Medium - 3000K

Non Dimmable

- 05.5326.40
- 05.5326.14
- 05.5326.EQ
- 05.5326.ER
- 05.5326.ES

Dali

- 05.5326.40.DA
- 05.5326.14.DA
- 05.5326.EQ.DA
- 05.5326.ER.DA
- 05.5326.ES.DA

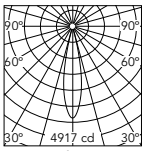
1-10V

- 05.5326.40.1V
- 05.5326.14.1V
- 05.5326.EQ.1V
- 05.5326.ER.1V
- 05.5326.ES.1V

Casambi

- 05.5326.40.CB
- 05.5326.14.CB
- 05.5326.EQ.CB
- 05.5326.ER.CB
- 05.5326.ES.CB

MEDIUM



Luminous flux luminaire
598 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4917	0.38
2	1229	0.75
3	546	1.13
4	307	1.51
5	197	1.88

Optic Flood - 2700K

Non Dimmable

- 05.5322.40
- 05.5322.14
- 05.5322.EQ
- 05.5322.ER
- 05.5322.ES

Dali

- 05.5322.40.DA
- 05.5322.14.DA
- 05.5322.EQ.DA
- 05.5322.ER.DA
- 05.5322.ES.DA

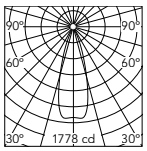
1-10V

- 05.5322.40.1V
- 05.5322.14.1V
- 05.5322.EQ.1V
- 05.5322.ER.1V
- 05.5322.ES.1V

Casambi

- 05.5322.40.CB
- 05.5322.14.CB
- 05.5322.EQ.CB
- 05.5322.ER.CB
- 05.5322.ES.CB

FLOOD



Luminous flux luminaire
565 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1761	0.58
2	440	1.16
3	196	1.75
4	110	2.33
5	70	2.91

Optic Flood - 3000K

Non Dimmable

- 05.5327.40
- 05.5327.14
- 05.5327.EQ
- 05.5327.ER
- 05.5327.ES

Dali

- 05.5327.40.DA
- 05.5327.14.DA
- 05.5327.EQ.DA
- 05.5327.ER.DA
- 05.5327.ES.DA

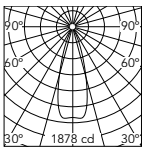
1-10V

- 05.5327.40.1V
- 05.5327.14.1V
- 05.5327.EQ.1V
- 05.5327.ER.1V
- 05.5327.ES.1V

Casambi

- 05.5327.40.CB
- 05.5327.14.CB
- 05.5327.EQ.CB
- 05.5327.ER.CB
- 05.5327.ES.CB

FLOOD



Luminous flux luminaire
597 lm

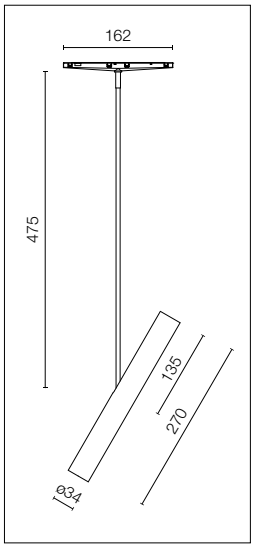
Beam Angle: 32°

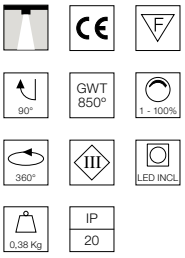
h(m)	E(lx)	D(m)
1	1861	0.58
2	465	1.16
3	207	1.75
4	116	2.33
5	74	2.91

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

My Spot Ø35 Long By Michael Anastassiades

LED Array
Non Dimming / 1-10V / Dali: 11W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/CRI 90
Casambi: 8W - 759 lm - 2700K/CRI 90 / 804 lm - 3000K/CRI 90





LED-Beleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Schienenanschlussarm perfekt mit dem Produkt bündig.
Achtung: Nur Deckenmontage.

LED lighting module for installation in the Zero Track Pro. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning.
In the downlight position, the track connector arm is perfectly flush with the product.
Warning: Only ceiling installation.

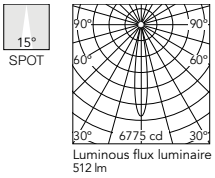
Optic Spot - 2700K

Non Dimmable
- 05.5330.40
- 05.5330.14
- 05.5330.EQ
- 05.5330.ER
- 05.5330.ES

Dali
- 05.5330.40.DA
- 05.5330.14.DA
- 05.5330.EQ.DA
- 05.5330.ER.DA
- 05.5330.ES.DA

1-10V
- 05.5330.40.1V
- 05.5330.14.1V
- 05.5330.EQ.1V
- 05.5330.ER.1V
- 05.5330.ES.1V

Casambi
- 05.5330.40.CB
- 05.5330.14.CB
- 05.5330.EQ.CB
- 05.5330.ER.CB
- 05.5330.ES.CB



Luminous flux luminaire
512 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6775	0.27
2	1694	0.53
3	753	0.80
4	423	1.07
5	271	1.34

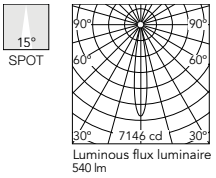
Optic Spot - 3000K

Non Dimmable
- 05.5335.40
- 05.5335.14
- 05.5335.EQ
- 05.5335.ER
- 05.5335.ES

Dali
- 05.5335.40.DA
- 05.5335.14.DA
- 05.5335.EQ.DA
- 05.5335.ER.DA
- 05.5335.ES.DA

1-10V
- 05.5335.40.1V
- 05.5335.14.1V
- 05.5335.EQ.1V
- 05.5335.ER.1V
- 05.5335.ES.1V

Casambi
- 05.5335.40.CB
- 05.5335.14.CB
- 05.5335.EQ.CB
- 05.5335.ER.CB
- 05.5335.ES.CB



Luminous flux luminaire
540 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7146	0.27
2	1786	0.53
3	794	0.80
4	447	1.07
5	286	1.34

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Medium - 2700K

Non Dimmable

- 05.5331.40
- 05.5331.14
- 05.5331.EQ
- 05.5331.ER
- 05.5331.ES

Dali

- 05.5331.40.DA
- 05.5331.14.DA
- 05.5331.EQ.DA
- 05.5331.ER.DA
- 05.5331.ES.DA

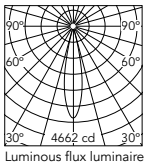
1-10V

- 05.5331.40.1V
- 05.5331.14.1V
- 05.5331.EQ.1V
- 05.5331.ER.1V
- 05.5331.ES.1V

Casambi

- 05.5331.40.CB
- 05.5331.14.CB
- 05.5331.EQ.CB
- 05.5331.ER.CB
- 05.5331.ES.CB

MEDIUM



Luminous flux luminaire
567 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4662	0.38
2	1166	0.75
3	518	1.13
4	291	1.51
5	186	1.88

Optic Medium - 3000K

Non Dimmable

- 05.5336.40
- 05.5336.14
- 05.5336.EQ
- 05.5336.ER
- 05.5336.ES

Dali

- 05.5336.40.DA
- 05.5336.14.DA
- 05.5336.EQ.DA
- 05.5336.ER.DA
- 05.5336.ES.DA

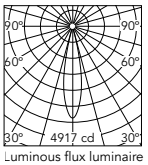
1-10V

- 05.5336.40.1V
- 05.5336.14.1V
- 05.5336.EQ.1V
- 05.5336.ER.1V
- 05.5336.ES.1V

Casambi

- 05.5336.40.CB
- 05.5336.14.CB
- 05.5336.EQ.CB
- 05.5336.ER.CB
- 05.5336.ES.CB

MEDIUM



Luminous flux luminaire
598 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4917	0.38
2	1229	0.75
3	546	1.13
4	307	1.51
5	197	1.88

Optic Flood - 2700K

Non Dimmable

- 05.5332.40
- 05.5332.14
- 05.5332.EQ
- 05.5332.ER
- 05.5332.ES

Dali

- 05.5332.40.DA
- 05.5332.14.DA
- 05.5332.EQ.DA
- 05.5332.ER.DA
- 05.5332.ES.DA

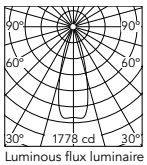
1-10V

- 05.5332.40.1V
- 05.5332.14.1V
- 05.5332.EQ.1V
- 05.5332.ER.1V
- 05.5332.ES.1V

Casambi

- 05.5332.40.CB
- 05.5332.14.CB
- 05.5332.EQ.CB
- 05.5332.ER.CB
- 05.5332.ES.CB

FLOOD



Luminous flux luminaire
565 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1761	0.58
2	440	1.16
3	196	1.75
4	110	2.33
5	70	2.91

Optic Flood - 3000K

Non Dimmable

- 05.5337.40
- 05.5337.14
- 05.5337.EQ
- 05.5337.ER
- 05.5337.ES

Dali

- 05.5337.40.DA
- 05.5337.14.DA
- 05.5337.EQ.DA
- 05.5337.ER.DA
- 05.5337.ES.DA

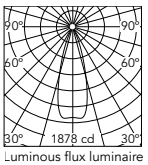
1-10V

- 05.5337.40.1V
- 05.5337.14.1V
- 05.5337.EQ.1V
- 05.5337.ER.1V
- 05.5337.ES.1V

Casambi

- 05.5337.40.CB
- 05.5337.14.CB
- 05.5337.EQ.CB
- 05.5337.ER.CB
- 05.5337.ES.CB

FLOOD



Luminous flux luminaire
597 lm

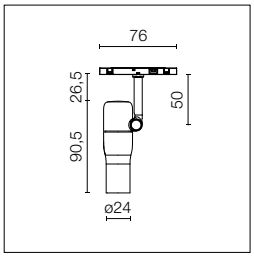
Beam Angle: 32°

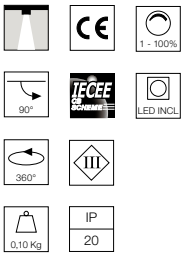
h(m)	E(lx)	D(m)
1	1861	0.58
2	465	1.16
3	207	1.75
4	116	2.33
5	74	2.91

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Atom 90 Designed By Piero Lissoni

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

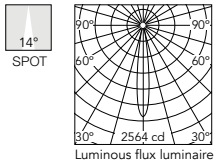
Optic Spot - 2700K

Non Dimmable

- 05.5140.40
- 05.5140.14
- 05.5140.EQ
- 05.5140.ER
- 05.5140.ES

Casambi

- 05.5140.40.CB
- 05.5140.14.CB
- 05.5140.EQ.CB
- 05.5140.ER.CB
- 05.5140.ES.CB



Luminous flux luminaire
224 lm

Beam Angle:	14°
h(m)	E(lx) D(m)
1	2564 0.25
2	641 0.51
3	285 0.76
4	160 1.02
5	103 1.27

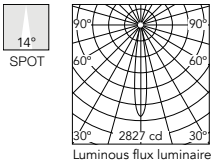
Optic Spot - 3000K

Non Dimmable

- 05.5145.40
- 05.5145.14
- 05.5145.EQ
- 05.5145.ER
- 05.5145.ES

Casambi

- 05.5145.40.CB
- 05.5145.14.CB
- 05.5145.EQ.CB
- 05.5145.ER.CB
- 05.5145.ES.CB



Luminous flux luminaire
247 lm

Beam Angle:	14°
h(m)	E(lx) D(m)
1	2827 0.25
2	707 0.51
3	314 0.76
4	177 1.02
5	113 1.27

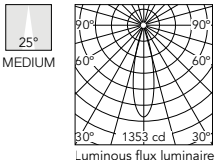
Optic Medium - 2700K

Non Dimmable

- 05.5141.40
- 05.5141.14
- 05.5141.EQ
- 05.5141.ER
- 05.5141.ES

Casambi

- 05.5141.40.CB
- 05.5141.14.CB
- 05.5141.EQ.CB
- 05.5141.ER.CB
- 05.5141.ES.CB



Luminous flux luminaire
261 lm

Beam Angle:	25°
h(m)	E(lx) D(m)
1	1353 0.45
2	338 0.89
3	150 1.34
4	85 1.79
5	54 2.23

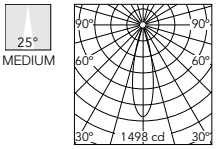
Optic Medium - 3000K

Non Dimmable

- 05.5146.40
- 05.5146.14
- 05.5146.EQ
- 05.5146.ER
- 05.5146.ES

Casambi

- 05.5146.40.CB
- 05.5146.14.CB
- 05.5146.EQ.CB
- 05.5146.ER.CB
- 05.5146.ES.CB



Luminous flux luminaire
289 lm

Beam Angle:	25°
h(m)	E(lx) D(m)
1	1498 0.45
2	375 0.89
3	166 1.34
4	94 1.79
5	60 2.23

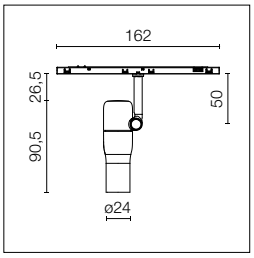
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

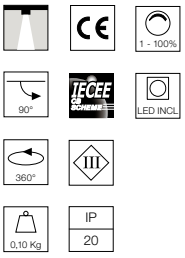
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Atom 90 Designed By Piero Lissoni

Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

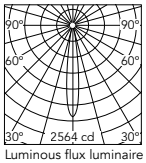
Optic Spot - 2700K

Dali

- 05.5140.40.DA
- 05.5140.14.DA
- 05.5140.EQ.DA
- 05.5140.ER.DA
- 05.5140.ES.DA

1-10V

- 05.5140.40.1V
- 05.5140.14.1V
- 05.5140.EQ.1V
- 05.5140.ER.1V
- 05.5140.ES.1V



Luminous flux luminaire
224 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

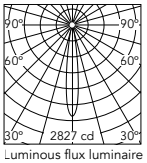
Optic Spot - 3000K

Dali

- 05.5145.40.DA
- 05.5145.14.DA
- 05.5145.EQ.DA
- 05.5145.ER.DA
- 05.5145.ES.DA

1-10V

- 05.5145.40.1V
- 05.5145.14.1V
- 05.5145.EQ.1V
- 05.5145.ER.1V
- 05.5145.ES.1V



Luminous flux luminaire
247 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

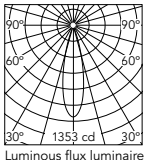
Optic Medium - 2700K

Dali

- 05.5141.40.DA
- 05.5141.14.DA
- 05.5141.EQ.DA
- 05.5141.ER.DA
- 05.5141.ES.DA

1-10V

- 05.5141.40.1V
- 05.5141.14.1V
- 05.5141.EQ.1V
- 05.5141.ER.1V
- 05.5141.ES.1V



Luminous flux luminaire
261 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

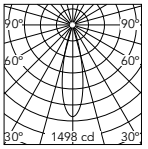
Optic Medium - 3000K

Dali

- 05.5146.40.DA
- 05.5146.14.DA
- 05.5146.EQ.DA
- 05.5146.ER.DA
- 05.5146.ES.DA

1-10V

- 05.5146.40.1V
- 05.5146.14.1V
- 05.5146.EQ.1V
- 05.5146.ER.1V
- 05.5146.ES.1V



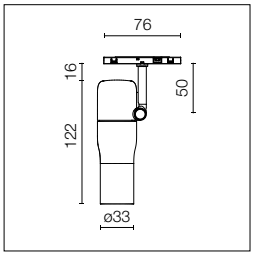
Luminous flux luminaire
289 lm

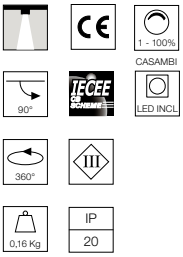
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

Atom 120 Designed By Piero Lissoni

Power LED 8W - 600 lm - 2700K/CRI 90 / 648 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play).

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

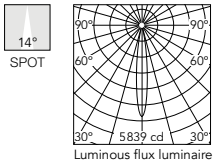
Optic Spot - 2700K

Non Dimmable

- 05.5150.40
- 05.5150.14
- 05.5150.EQ
- 05.5150.ER
- 05.5150.ES

Casambi

- 05.5150.40.CB
- 05.5150.14.CB
- 05.5150.EQ.CB
- 05.5150.ER.CB
- 05.5150.ES.CB



Luminous flux luminaire
433 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	5839	0.24
2	1460	0.48
3	649	0.72
4	365	0.95
5	234	1.19

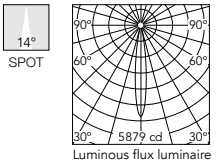
Optic Spot - 3000K

Non Dimmable

- 05.5155.40
- 05.5155.14
- 05.5155.EQ
- 05.5155.ER
- 05.5155.ES

Casambi

- 05.5155.40.CB
- 05.5155.14.CB
- 05.5155.EQ.CB
- 05.5155.ER.CB
- 05.5155.ES.CB



Luminous flux luminaire
440 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	5879	0.24
2	1470	0.49
3	653	0.73
4	367	0.97
5	235	1.21

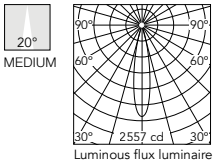
Optic Medium - 2700K

Non Dimmable

- 05.5151.40
- 05.5151.14
- 05.5151.EQ
- 05.5151.ER
- 05.5151.ES

Casambi

- 05.5151.40.CB
- 05.5151.14.CB
- 05.5151.EQ.CB
- 05.5151.ER.CB
- 05.5151.ES.CB



Luminous flux luminaire
364 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	2557	0.35
2	639	0.70
3	284	1.06
4	160	1.41
5	102	1.76

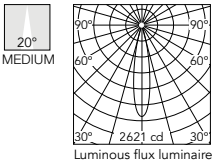
Optic Medium - 3000K

Non Dimmable

- 05.5156.40
- 05.5156.14
- 05.5156.EQ
- 05.5156.ER
- 05.5156.ES

Casambi

- 05.5156.40.CB
- 05.5156.14.CB
- 05.5156.EQ.CB
- 05.5156.ER.CB
- 05.5156.ES.CB



Luminous flux luminaire
373 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	2621	0.35
2	655	0.70
3	291	1.06
4	164	1.41
5	105	1.76

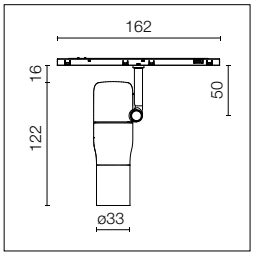
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

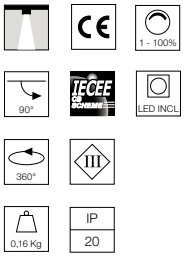
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Atom 120 Designed By Piero Lissoni

Power LED 8W - 600 lm - 2700K/CRI 90 / 648 lm - 3000K/CRI 90





LED-Projektionsbeleuchtungsmodul, das in das System Zero Track Pro eingebaut wird. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.

LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Optic Spot - 2700K

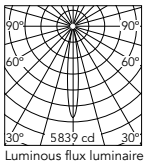
Dali

- 05.5150.40.DA
- 05.5150.14.DA
- 05.5150.EQ.DA
- 05.5150.ER.DA
- 05.5150.ES.DA

1-10V

- 05.5150.40.1V
- 05.5150.14.1V
- 05.5150.EQ.1V
- 05.5150.ER.1V
- 05.5150.ES.1V

14° SPOT



Luminous flux luminaire
433 lm

Beam Angle:	14°
h(m)	E(lx) D(m)
1	5839 0.24
2	1460 0.48
3	649 0.72
4	365 0.95
5	234 1.19

Optic Spot - 3000K

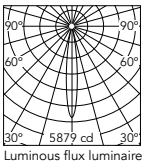
Dali

- 05.5155.40.DA
- 05.5155.14.DA
- 05.5155.EQ.DA
- 05.5155.ER.DA
- 05.5155.ES.DA

1-10V

- 05.5155.40.1V
- 05.5155.14.1V
- 05.5155.EQ.1V
- 05.5155.ER.1V
- 05.5155.ES.1V

14° SPOT



Luminous flux luminaire
440 lm

Beam Angle:	14°
h(m)	E(lx) D(m)
1	5879 0.24
2	1470 0.49
3	653 0.73
4	367 0.97
5	235 1.21

Optic Medium - 2700K

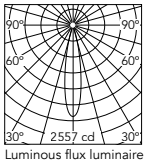
Dali

- 05.5151.40.DA
- 05.5151.14.DA
- 05.5151.EQ.DA
- 05.5151.ER.DA
- 05.5151.ES.DA

1-10V

- 05.5151.40.1V
- 05.5151.14.1V
- 05.5151.EQ.1V
- 05.5151.ER.1V
- 05.5151.ES.1V

20° MEDIUM



Luminous flux luminaire
364 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	2557 0.35
2	639 0.70
3	284 1.06
4	160 1.41
5	102 1.76

Optic Medium - 3000K

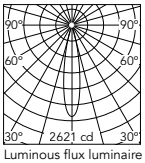
Dali

- 05.5156.40.DA
- 05.5156.14.DA
- 05.5156.EQ.DA
- 05.5156.ER.DA
- 05.5156.ES.DA

1-10V

- 05.5156.40.1V
- 05.5156.14.1V
- 05.5156.EQ.1V
- 05.5156.ER.1V
- 05.5156.ES.1V

20° MEDIUM

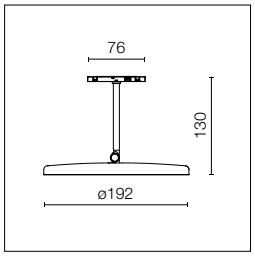


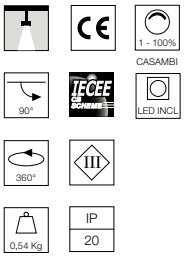
Luminous flux luminaire
373 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	2621 0.35
2	655 0.70
3	291 1.06
4	164 1.41
5	105 1.76

Atom 200 Designed By Piero Lissoni

Top LED 10,5W - 1005 lm - 2700K/CRI 90 / 1080 lm - 3000K/CRI 90





LED-Modul für die Allgemeinbeleuchtung zum Einbau in das Zero Track Pro System. Eingebauter elektronischer DC/DC-Wandler. Individuell drahtlos einstellbar über Casambi. Die Verwaltung über Casambi erfolgt über die FLOS Control®-APP für mobile Geräte (erhältlich im Apple Store und bei Google Play).
Achtung: Nur Deckenmontage.

LED general lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).
Warning: Only ceiling installation.

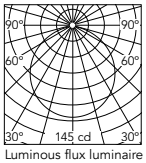
2700K

Non Dimmable

- 05.5160.40
- 05.5160.14
- 05.5160.EQ
- 05.5160.ER
- 05.5160.ES

Casambi

- 05.5160.40.CB
- 05.5160.14.CB
- 05.5160.EQ.CB
- 05.5160.ER.CB
- 05.5160.ES.CB



Luminous flux luminaire
395 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

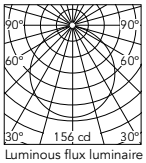
3000K

Non Dimmable

- 05.5161.40
- 05.5161.14
- 05.5161.EQ
- 05.5161.ER
- 05.5161.ES

Casambi

- 05.5161.40.CB
- 05.5161.14.CB
- 05.5161.EQ.CB
- 05.5161.ER.CB
- 05.5161.ES.CB



Luminous flux luminaire
424 lm

Beam Angle: 110°

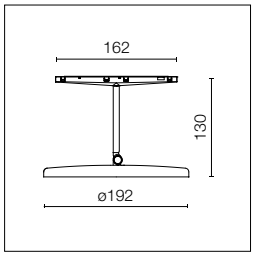
h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

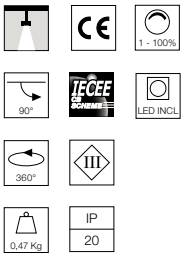
Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Atom 200 Designed By Piero Lissoni

Top LED 10,5W - 1005 lm - 2700K/CRI 90 / 1080 lm - 3000K/CRI 90





LED-Modul für die Allgemeinbeleuchtung zum Einbau in das Zero Track Pro System. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.
Achtung: Nur Deckenmontage.

LED general lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.
Warning: Only ceiling installation.

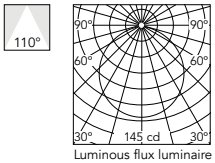
2700K

Dali

- 05.5160.40.DA
- 05.5160.14.DA
- 05.5160.EQ.DA
- 05.5160.ER.DA
- 05.5160.ES.DA

1-10V

- 05.5160.40.1V
- 05.5160.14.1V
- 05.5160.EQ.1V
- 05.5160.ER.1V
- 05.5160.ES.1V



Luminous flux luminaire
395 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

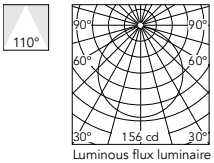
3000K

Dali

- 05.5161.40.DA
- 05.5161.14.DA
- 05.5161.EQ.DA
- 05.5161.ER.DA
- 05.5161.ES.DA

1-10V

- 05.5161.40.1V
- 05.5161.14.1V
- 05.5161.EQ.1V
- 05.5161.ER.1V
- 05.5161.ES.1V



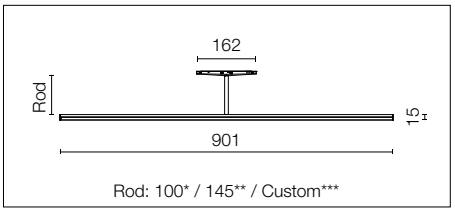
Luminous flux luminaire
424 lm

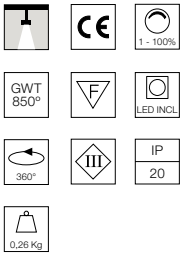
Beam Angle: 110°

h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

Magic Stick by Jorge Herrera

Power LED 10,5W - 1200 lm - 2700K/CRI 90 / 1200 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit diffusem Licht für den Einbau in das Zero Track Pro System. Kann um seine Mittelachse gedreht werden. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.
Achtung: Nur Deckenmontage.

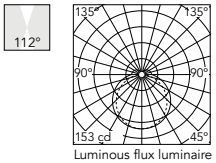
LED diffuse lighting module for installation in the Zero Track Pro system. Can be adjusted by rotating from its central line. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.
Warning: Only ceiling installation.

Rod 100 - 2700K

Non Dimmable
- 05.3200.40
- 05.3200.14
- 05.3200.EQ
- 05.3200.ER
- 05.3200.ES

Dali
- 05.3200.40.DA
- 05.3200.14.DA
- 05.3200.EQ.DA
- 05.3200.ER.DA
- 05.3200.ES.DA

1-10V
- 05.3200.40.1V
- 05.3200.14.1V
- 05.3200.EQ.1V
- 05.3200.ER.1V
- 05.3200.ES.1V



Luminous flux luminaire
587 lm

Beam Angle: - 112°

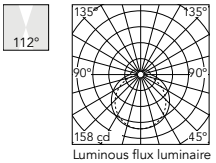
h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72

Rod 100 - 3000K

Non Dimmable
- 05.3201.40
- 05.3201.14
- 05.3201.EQ
- 05.3201.ER
- 05.3201.ES

Dali
- 05.3201.40.DA
- 05.3201.14.DA
- 05.3201.EQ.DA
- 05.3201.ER.DA
- 05.3201.ES.DA

1-10V
- 05.3201.40.1V
- 05.3201.14.1V
- 05.3201.EQ.1V
- 05.3201.ER.1V
- 05.3201.ES.1V



Luminous flux luminaire
608 lm

Beam Angle: - 112°

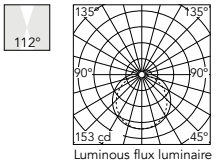
h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72

Rod 145 - 2700K

Non Dimmable
- 05.3220.40
- 05.3220.14
- 05.3220.EQ
- 05.3220.ER
- 05.3220.ES

Dali
- 05.3220.40.DA
- 05.3220.14.DA
- 05.3220.EQ.DA
- 05.3220.ER.DA
- 05.3220.ES.DA

1-10V
- 05.3220.40.1V
- 05.3220.14.1V
- 05.3220.EQ.1V
- 05.3220.ER.1V
- 05.3220.ES.1V



Luminous flux luminaire
587 lm

Beam Angle: - 112°

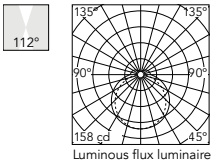
h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72

Rod 145 - 3000K

Non Dimmable
- 05.3221.40
- 05.3221.14
- 05.3221.EQ
- 05.3221.ER
- 05.3221.ES

Dali
- 05.3221.40.DA
- 05.3221.14.DA
- 05.3221.EQ.DA
- 05.3221.ER.DA
- 05.3221.ES.DA

1-10V
- 05.3221.40.1V
- 05.3221.14.1V
- 05.3221.EQ.1V
- 05.3221.ER.1V
- 05.3221.ES.1V



Luminous flux luminaire
608 lm

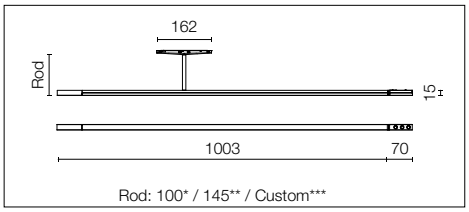
Beam Angle: - 112°

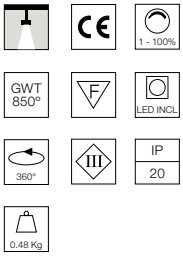
h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72

NEW

Magic Stick Asymmetric by Jorge Herrera

Power LED 12W - 1450 lm - 2700K/CRI 90 / 1490 lm - 3000K/CRI 90





LED-Beleuchtungsmodul, das diffuses Licht und Akzentbeleuchtung kombiniert und in das Zero Track Pro System eingebaut wird. Kann um seine Achse in einer asymmetrischen Position gedreht werden. Eingebauter elektronischer DC/DC-Wandler. Individuell einstellbar über DALI-Protokoll und Übertragung über 1-10 V.
Achtung: Nur Deckenmontage.

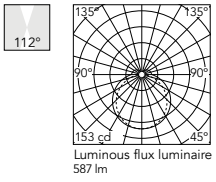
LED diffuse and accent lighting module for installation in the Zero Track Pro system. Can be adjusted by rotating from its axis located in an asymmetrical position. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.
Warning: Only ceiling installation.

Rod 100 - 2700K

Non Dimmable
- 05.3210.40
- 05.3210.14
- 05.3210.EQ
- 05.3210.ER
- 05.3210.ES

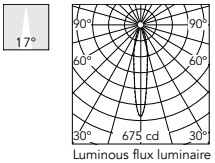
Dali
- 05.3210.40.DA
- 05.3210.14.DA
- 05.3210.EQ.DA
- 05.3210.ER.DA
- 05.3210.ES.DA

1-10V
- 05.3210.40.1V
- 05.3210.14.1V
- 05.3210.EQ.1V
- 05.3210.ER.1V
- 05.3210.ES.1V



Luminous flux luminaire 587 lm

Beam Angle: - 112°		
h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 136 lm

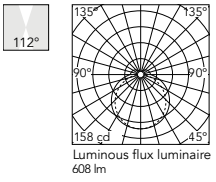
Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	675	0.29
2	169	0.59
3	75	0.88
4	42	1.18
5	27	1.47

Rod 100 - 3000K

Non Dimmable
- 05.3211.40
- 05.3211.14
- 05.3211.EQ
- 05.3211.ER
- 05.3211.ES

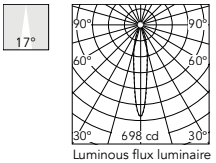
Dali
- 05.3211.40.DA
- 05.3211.14.DA
- 05.3211.EQ.DA
- 05.3211.ER.DA
- 05.3211.ES.DA

1-10V
- 05.3211.40.1V
- 05.3211.14.1V
- 05.3211.EQ.1V
- 05.3211.ER.1V
- 05.3211.ES.1V



Luminous flux luminaire 608 lm

Beam Angle: - 112°		
h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 140 lm

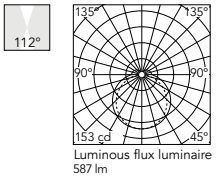
Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	698	0.29
2	174	0.59
3	78	0.88
4	44	1.18
5	28	1.47

Rod 145 - 2700K

Non Dimmable
- 05.3230.40
- 05.3230.14
- 05.3230.EQ
- 05.3230.ER
- 05.3230.ES

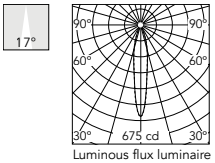
Dali
- 05.3230.40.DA
- 05.3230.14.DA
- 05.3230.EQ.DA
- 05.3230.ER.DA
- 05.3230.ES.DA

1-10V
- 05.3230.40.1V
- 05.3230.14.1V
- 05.3230.EQ.1V
- 05.3230.ER.1V
- 05.3230.ES.1V



Luminous flux luminaire 587 lm

Beam Angle: - 112°		
h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 136 lm

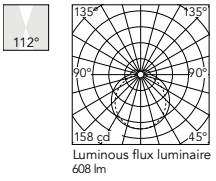
Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	675	0.29
2	169	0.59
3	75	0.88
4	42	1.18
5	27	1.47

Rod 145 - 3000K

Non Dimmable
- 05.3231.40
- 05.3231.14
- 05.3231.EQ
- 05.3231.ER
- 05.3231.ES

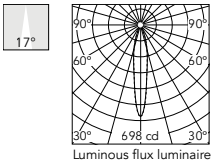
Dali
- 05.3231.40.DA
- 05.3231.14.DA
- 05.3231.EQ.DA
- 05.3231.ER.DA
- 05.3231.ES.DA

1-10V
- 05.3231.40.1V
- 05.3231.14.1V
- 05.3231.EQ.1V
- 05.3231.ER.1V
- 05.3231.ES.1V



Luminous flux luminaire 608 lm

Beam Angle: - 112°		
h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72



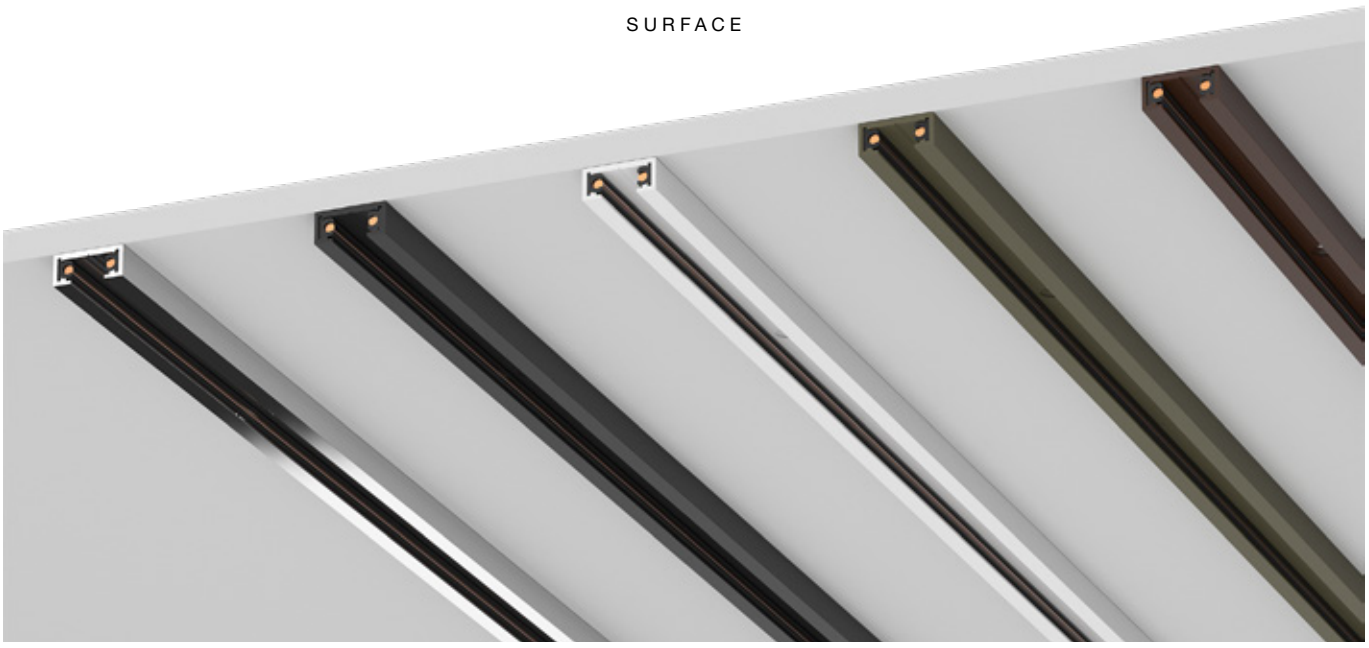
Luminous flux luminaire 140 lm

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	698	0.29
2	174	0.59
3	78	0.88
4	44	1.18
5	28	1.47

ZERO TRACK

DESIGNED BY FLOS ARCHITECTURAL

SURFACE



40 Weiss
40 White

05 Polished Silver
05 Polished Silver

06 Chrom
06 Chrome

14 Schwarz
14 Black

CZ Bronze
CZ Bronze

18 Deep brown
18 Deep brown

LIGHT MODULES

FIND ME 0

LIGHT SOURCE
POWER LED
3,5W
300 lm
2700K/CRI 90
325 lm
3000K/CRI 90

FIND ME 1

LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

FIND ME 2

LIGHT SOURCE
POWER LED
10,5W
650 lm
2700K/CRI 90
700 lm
3000K/CRI 90

FIND ME 1 SUSPENSION

LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

ATOM 90

LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

ATOM 120

LIGHT SOURCE
POWER LED
8W
635 lm
2700K/CRI 90
680 lm
3000K/CRI 90

ATOM 200

LIGHT SOURCE
POWER LED
10,5W
1050 lm
2700K/CRI 90
1150 lm
3000K/CRI 90

Produktbeschreibung
Dieses neue Profilsystem für die Oberflächeninstallation zeichnet sich durch seine reduzierten Abmessungen aus, wodurch es eine minimalistische Ästhetik erhält, die in verschiedenen architektonischen Räumen sehr geschätzt wird. Für Lösungen in nicht begehbaren Decken verfügt das System über integrierte, mit Kontrollsystemen Casambi.
Das Casambi-System zur individuellen Dimmung jedes Lichtpunkts per Bluetooth funktioniert mit der App FLOS Control® powered by Casambi für mobile Geräte (erhältlich im Apple Store und Google Play).
Das System aus Aluminiumschienen bis zu 3 m wurde in weiß, schwarz, deep brown, bronze und chrom stranggepresst. Sie sind mit elektrischen Stromspuren ausgestattet, die mit 24 VDC gespeist werden.

Optisches System
- Find Me 0: Spot, Medium.
- Find Me 1: Spot, Medium.
- Find Me 2: Spot, Medium, Flood.
- Find Me 1 Suspension: Spot, Medium.
- Atom 90: Spot, Medium.
- Atom 120: Spot, Medium.
- Atom 200: General lighting.

Einspeisung
Das System kann mit einer nicht mitgelieferten Fernspeisung betrieben werden oder mit der Stromversorgungseinrichtung, die in die Spur eingefügt werden soll, die eine Stromversorgung enthält.
Der ursprüngliche Netzstecker verfügt über eine Lücke für die Kabeleinführung von oben und von der Seite. Der Netzstecker, die Zwischenspeiseleitung und die 90°-Ecken können nur von hinten gespeist werden.
Die maximale Länge der Strecke mit demselben Treiber beträgt 10 m.

Zusatzinformationen
Zusätzliche Informationen Elektrische Anlage wird mit 24 V Gleichstrom betrieben und ist auf einen maximalen Strom von 5 A und 120 W begrenzt.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
This new system of profiles for surface installation is characterized by its reduced dimensions, providing a minimalist aesthetic which is highly appreciated in various architectural spaces. For non-accessible ceilings, the system has integrated dimmable power supplies, dimmable through Casambi control systems.
The Casambi system for individual Bluetooth dimming of each light point can be managed through the FLOS Control® app powered by Casambi for mobile devices (available on the Apple Store and Google Play).
The system of extruded aluminum tracks up to 3 meters in white, black, deep brown bronze and chrome.
They are equipped with electric tracks supporting 24Vdc power supplies.

Optic system
- Find Me 0: Spot, Medium.
- Find Me 1: Spot, Medium.
- Find Me 2: Spot, Medium, Flood.
- Find Me 1 Suspension: Spot, Medium.
- Atom 90: Spot, Medium.
- Atom 120: Spot, Medium.
- Atom 200: General lighting.

Power Supply
The system can be powered by a remote power supply (not included) or by power supply equipments to be inserted in the track, which include a power supply.
The initial power connector has a space for cable insertion through both the upper and side parts. The power connector, middle power supply and 90° corners can be powered only from the back.
The maximum length of the track with the same driver is 10 meters.

Additional Information
Electrical system powered at 24Vdc and limited to a maximum current of 5A and a maximum power of 120W.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

SURFACE PROFILE

L: 1 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector

Right & Left

End cap

Intermediate Feed connector

Straight

Stopper

Intermediate connector

Feed 90° Corner

Feed Inner 90° Corner

Feed T piece

Feed Cross piece

3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation remote driver

(select the driver with the appropriate power according to the needs of your project)

Non Dimmable

60W / 100W / 120W

Casambi

60W / 100W / 120W

+

Casambi

Surface Installation Driver

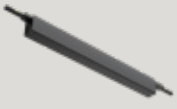
Non Dimmable

Power Supply Surface End

96W

or

Power Supply Surface Middle



96W

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Standard / Casambi Integrated (individual control)

Find Me 0

S/M

Atom 90

S/M

Find Me 1

S/M

Atom 120

S/M

Find Me 2

S/M/F

Atom 200

General Lighting

Find Me Suspension

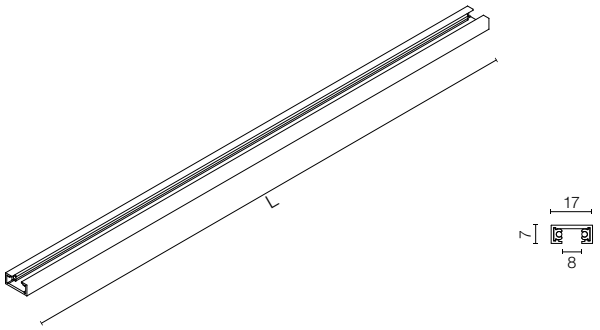
S/M

Profile

Elektromechanisches Innenprofil für die Montage an der Oberfläche (Decke oder Wand) mit Schrauben, die mit dem Profil versehenen speziellen Bolzen befestigt werden. Mit Längen von 1 bis 3 m.
Notwendig, um Stromstecker, Zwischenstecker und Abdeckungen separat zu bestellen.
Mechanische 90°-Ecken verfügbar mit Krümmung auf derselben Ebene (symmetrisches Element für die linke und rechte Ecke) und 90°-Eck auf verschiedenen Ebenen (Decke-Wand und Wand-Innenwand), sowie “T”- und “X”-Verbindungen.
Bei vertikalen Installationen muss der Stopper installiert werden, der separat bestellt werden muss.

Profiles

Electro-mechanical indoor profile for surface installation (ceiling or wall). To be fixed with specific screw plugs that come with the profile. 1-meter to 3-meters lengths.
It is necessary to order the power connector, intermediate connectors and covers separately.
Feed unit connectors available as 90° flat corner and curve (symmetric element for left/right corner), ceiling/wall - wall/wall inner corner, as well as “T” and “X” shape.
For vertical installations, installing the stopper is mandatory. It must be ordered separately.

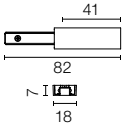


L: 1 m / 2 m / 3 m

L: 1000 mm
06.2500.40
06.2500.06
06.2500.14
06.2500.CZ
06.2500.18
L: 2000 mm
06.2501.40
06.2501.06
06.2501.14
06.2501.CZ
06.2501.18
L: 3000 mm
06.2502.40
06.2502.06
06.2502.14
06.2502.CZ
06.2502.18

Stromanschluss für Fernsteuergeräte. Möglicher Eingang des Stromkabels sowohl oben als auch seitlich.

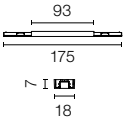
Feed unit for remote power supply unit. Power cable inserting is possible both from the top and the side.



06.2540.40
06.2540.14
06.2540.CZ
06.2540.18

Zwischenstecker. Oberer Netzkabeleingang.

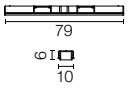
Feed intermediate connector. Upper feeding cable entry.



06.2541.40
06.2541.14
06.2541.CZ
06.2541.18

Außenwinkel.

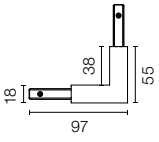
Intermediate connector.



06.2506.40
06.2506.14

90° flache Ecke. Auf der Rückseite befindet sich ein Versorgungsanschluss.

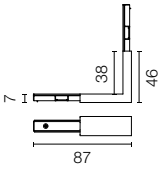
90° flat corner. Can be powered. It has a rear space for the supply connection.



06.2542.40
06.2542.14
06.2542.CZ
06.2542.18

Innenecke Decke / Wand - Wand / Wand. Mit Strom versorgbar, mit zwei Reserven auf beiden Seiten der Rückseite.

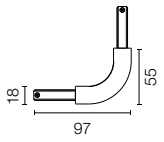
Ceiling/wall - wall/wall inner corner. Can be powered. It has two spaces for the supply connection located on each side at the rear.



06.2543.40
06.2543.14
06.2543.CZ
06.2543.18

Innenkurve Decke/Decke – Wand/ Wand. Stromversorgungsfähig, mit Anschluss auf der Rückseite.

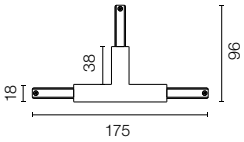
Interior ceiling/ceiling-wall/ wall curve. Can be powered via connections on the back.



06.2544.40
06.2544.14
06.2544.CZ
06.2544.18

T-Anschluss. Einspeisung mit Anschluss auf der Rückseite.

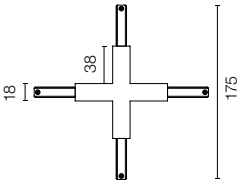
T-shaped connector. Can be powered via connections on the back.



06.2545.40
06.2545.14
06.2545.CZ
06.2545.18

Kreuzförmiger Anschluss. Stromversorgungsfähig, mit Anschluss auf der Rückseite.

Cross-shaped connector. Can be powered via connections on the back.



06.2546.40
06.2546.14
06.2546.CZ
06.2546.18

Endkappe.

End cap.

06.2509.40
06.2509.14
06.2509.CZ
06.2509.18

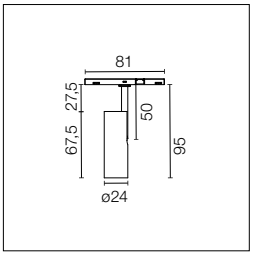
Stopper. Zur Befestigung von Leuchten in vertikalen Schieneninstallationen.

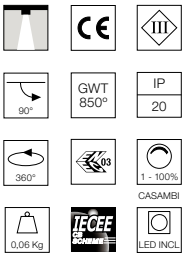
Stopper. For fixing luminaires in vertical track installations.

08.0630.40
08.0630.14

Find Me 0 Designed By Jorge Herrera

Power LED 3,5W - 300 lm - 2700K/CRI 90 / 3,5W - 325 lm - 3000K/CRI 90





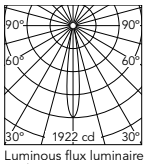
LED-Akzentbeleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

2700K
- 09.3801.40A
- 09.3801.05A
- 09.3801.14A
- 09.3801.CZA
- 09.3801.18A

**Casambi integrated
- 09.3901.40A
- 09.3901.05A
- 09.3901.14A
- 09.3901.CZA
- 09.3901.18A

15° SPOT



Luminous flux luminaire
169 lm

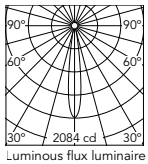
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1922	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

3000K
- 09.3800.40A
- 09.3800.05A
- 09.3800.14A
- 09.3800.CZA
- 09.3800.18A

**Casambi integrated
- 09.3900.40A
- 09.3900.05A
- 09.3900.14A
- 09.3900.CZA
- 09.3900.18A

15° SPOT



Luminous flux luminaire
183 lm

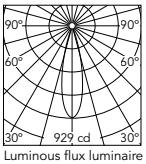
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	2084	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

2700K
- 09.3803.40A
- 09.3803.05A
- 09.3803.14A
- 09.3803.CZA
- 09.3803.18A

**Casambi integrated
- 09.3903.40A
- 09.3903.05A
- 09.3903.14A
- 09.3903.CZA
- 09.3903.18A

25° MEDIUM



Luminous flux luminaire
179 lm

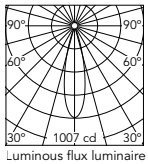
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	929	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

3000K
- 09.3802.40A
- 09.3802.05A
- 09.3802.14A
- 09.3802.CZA
- 09.3802.18A

**Casambi integrated
- 09.3902.40A
- 09.3902.05A
- 09.3902.14A
- 09.3902.CZA
- 09.3902.18A

25° MEDIUM



Luminous flux luminaire
194 lm

Beam Angle: 25°

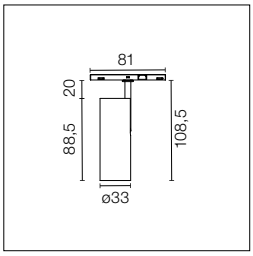
h(m)	E(lx)	D(m)
1	1007	0.45
2	252	0.89
3	112	1.34
4	63	1.79
5	40	2.23

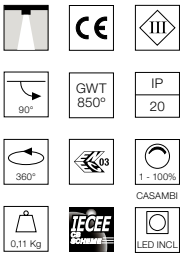
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Find Me 1 Designed By Jorge Herrera

Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90





LED-Akzentbeleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

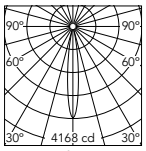
2700K

- 09.3812.40A
- 09.3812.05A
- 09.3812.14A
- 09.3812.CZA
- 09.3812.18A

**Casambi integrated

- 09.3912.40A
- 09.3912.05A
- 09.3912.14A
- 09.3912.CZA
- 09.3912.18A

14° SPOT



Luminous flux luminaire
309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

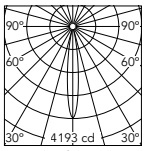
3000K

- 09.3810.40A
- 09.3810.05A
- 09.3810.14A
- 09.3810.CZA
- 09.3810.18A

**Casambi integrated

- 09.3910.40A
- 09.3910.05A
- 09.3910.14A
- 09.3910.CZA
- 09.3910.18A

14° SPOT



Luminous flux luminaire
314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

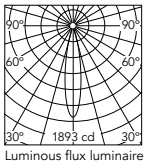
2700K

- 09.3813.40A
- 09.3813.05A
- 09.3813.14A
- 09.3813.CZA
- 09.3813.18A

**Casambi integrated

- 09.3913.40A
- 09.3913.05A
- 09.3913.14A
- 09.3913.CZA
- 09.3913.18A

20° MEDIUM



Luminous flux luminaire
284 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

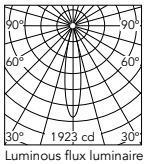
3000K

- 09.3811.40A
- 09.3811.05A
- 09.3811.14A
- 09.3811.CZA
- 09.3811.18A

**Casambi integrated

- 09.3911.40A
- 09.3911.05A
- 09.3911.14A
- 09.3911.CZA
- 09.3911.18A

20° MEDIUM



Luminous flux luminaire
289 lm

Beam Angle: 20°

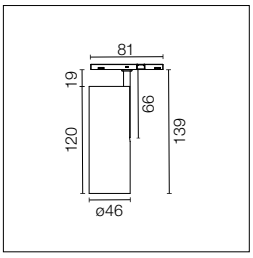
h(m)	E(lx)	D(m)
1	1923	0.35
2	481	0.70
3	214	1.06
4	120	1.41
5	77	1.76

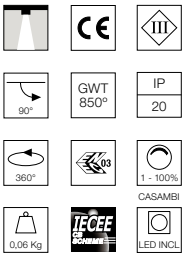
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Find Me 2 Designed By Jorge Herrera

Power LED 10,5W* - 650 lm - 2700K/CRI90 / 10,5W* - 700 lm - 3000K/CRI90





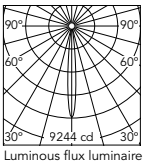
LED-Akzentbeleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).
Achtung: Nur Deckenmontage.

LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).
Warning: Only ceiling installation.

2700K
- 09.3862.40A
- 09.3862.05A*
- 09.3862.14A
- 09.3862.CZA
- 09.3862.18A

**Casambi integrated
- 09.3962.40A
- 09.3962.05A*
- 09.3962.14A
- 09.3962.CZA
- 09.3962.18A

10° SPOT



Luminous flux luminaire 479 lm

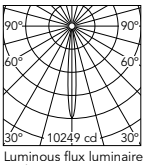
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	9244	0.18
2	2311	0.35
3	1027	0.53
4	578	0.70
5	370	0.88

3000K
- 09.3860.40A
- 09.3860.05A*
- 09.3860.14A
- 09.3860.CZA
- 09.3860.18A

**Casambi integrated
- 09.3960.40A
- 09.3960.05A*
- 09.3960.14A
- 09.3960.CZA
- 09.3960.18A

10° SPOT



Luminous flux luminaire 531 lm

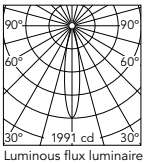
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10249	0.18
2	2562	0.35
3	1139	0.53
4	641	0.70
5	410	0.88

2700K
- 09.3863.40A
- 09.3863.05A*
- 09.3863.14A
- 09.3863.CZA
- 09.3863.18A

**Casambi integrated
- 09.3963.40A
- 09.3963.05A*
- 09.3963.14A
- 09.3963.CZA
- 09.3963.18A

19° MEDIUM



Luminous flux luminaire 441 lm

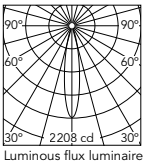
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1991	0.34
2	498	0.67
3	221	1.01
4	124	1.34
5	80	1.68

3000K
- 09.3861.40A
- 09.3861.05A*
- 09.3861.14A
- 09.3861.CZA
- 09.3861.18A

**Casambi integrated
- 09.3961.40A
- 09.3961.05A*
- 09.3961.14A
- 09.3961.CZA
- 09.3961.18A

19° MEDIUM



Luminous flux luminaire 489 lm

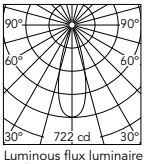
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2208	0.34
2	552	0.67
3	245	1.01
4	138	1.34
5	88	1.68

2700K
- 09.3865.40A
- 09.3865.05A*
- 09.3865.14A
- 09.3865.CZA
- 09.3865.18A

**Casambi integrated
- 09.3965.40A
- 09.3965.05A*
- 09.3965.14A
- 09.3965.CZA
- 09.3965.18A

32° FLOOD



Luminous flux luminaire 364 lm

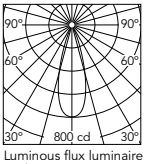
Beam Angle: 32°

h(m)	E(lx)	D(m)
1	722	0.57
2	180	1.15
3	80	1.72
4	45	2.29
5	29	2.87

3000K
- 09.3864.40A
- 09.3864.05A*
- 09.3864.14A
- 09.3864.CZA
- 09.3864.18A

**Casambi integrated
- 09.3964.40A
- 09.3964.05A*
- 09.3964.14A
- 09.3964.CZA
- 09.3964.18A

32° FLOOD



Luminous flux luminaire 404 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	800	0.57
2	200	1.15
3	89	1.72
4	50	2.29
5	32	2.87

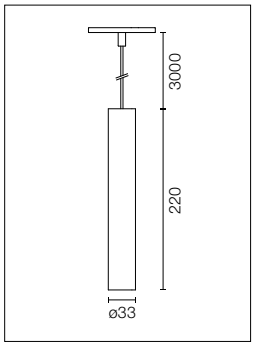
* Für polished silver beträgt ihre Leistung 8W. / For polished silver finishes their power is 8W.

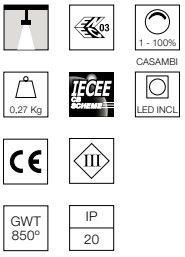
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Find Me 1 Suspension Designed By Jorge Herrera

Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90





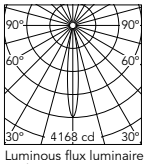
LED-Akzentbeleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Nicht auf vertikalen Schienen montierbar.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Not suitable for vertical installations.
Accessories included (honeycomb and screening crosspiece).

2700K
- 09.3822.40A
- 09.3822.05A
- 09.3822.14A
- 09.3822.CZA
- 09.3822.18A

**Casambi integrated
- 09.3922.40A
- 09.3922.05A
- 09.3922.14A
- 09.3922.CZA
- 09.3922.18A

14° SPOT



Luminous flux luminaire 309 lm

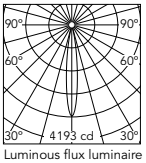
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

3000K
- 09.3820.40A
- 09.3820.05A
- 09.3820.14A
- 09.3820.CZA
- 09.3820.18A

**Casambi integrated
- 09.3920.40A
- 09.3920.05A
- 09.3920.14A
- 09.3920.CZA
- 09.3920.18A

14° SPOT



Luminous flux luminaire 314 lm

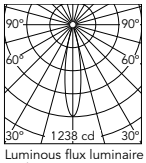
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

2700K
- 09.3823.40A
- 09.3823.05A
- 09.3823.14A
- 09.3823.CZA
- 09.3823.18A

**Casambi integrated
- 09.3923.40A
- 09.3923.05A
- 09.3923.14A
- 09.3923.CZA
- 09.3923.18A

20° MEDIUM



Luminous flux luminaire 186 lm

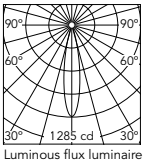
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1238	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

3000K
- 09.3821.40A
- 09.3821.05A
- 09.3821.14A
- 09.3821.CZA
- 09.3821.18A

**Casambi integrated
- 09.3921.40A
- 09.3921.05A
- 09.3921.14A
- 09.3921.CZA
- 09.3921.18A

20° MEDIUM



Luminous flux luminaire 193 lm

Beam Angle: 20°

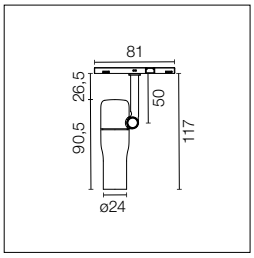
h(m)	E(lx)	D(m)
1	1285	0.35
2	321	0.70
3	143	1.06
4	80	1.41
5	51	1.76

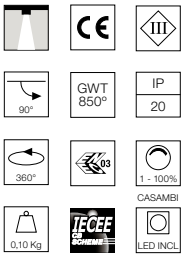
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Atom 90 Designed By Piero Lissoni

Power LED 5,5W* - 450 lm - 2700K/CRI 90 / 5,5W* - 485 lm - 3000K/CRI 90





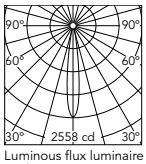
LED-Akzentbeleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

2700K
- 09.3831.40A
- 09.3831.05*
- 09.3831.14A
- 09.3831.CZA
- 09.3831.18A

**Casambi integrated
- 09.3931.40A
- 09.3931.05*
- 09.3931.14A
- 09.3931.CZA
- 09.3931.18A

14° SPOT



Luminous flux luminaire 224 lm

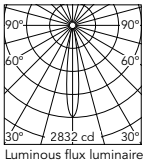
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2558	0.25
2	640	0.51
3	284	0.76
4	160	1.02
5	102	1.27

3000K
- 09.3830.40A
- 09.3830.05*
- 09.3830.14A
- 09.3830.CZA
- 09.3830.18A

**Casambi integrated
- 09.3930.40A
- 09.3930.05*
- 09.3930.14A
- 09.3930.CZA
- 09.3930.18A

14° SPOT



Luminous flux luminaire 247 lm

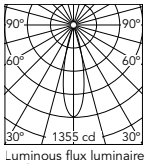
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2832	0.25
2	708	0.51
3	315	0.76
4	177	1.02
5	113	1.27

2700K
- 09.3833.40A
- 09.3833.05*
- 09.3833.14A
- 09.3833.CZA
- 09.3833.18A

**Casambi integrated
- 09.3933.40A
- 09.3933.05*
- 09.3933.14A
- 09.3933.CZA
- 09.3933.18A

25° MEDIUM



Luminous flux luminaire 261 lm

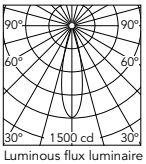
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1355	0.45
2	339	0.89
3	151	1.34
4	85	1.79
5	54	2.23

3000K
- 09.3832.40A
- 09.3832.05*
- 09.3832.14A
- 09.3832.CZA
- 09.3832.18A

**Casambi integrated
- 09.3932.40A
- 09.3932.05*
- 09.3932.14A
- 09.3932.CZA
- 09.3932.18A

25° MEDIUM



Luminous flux luminaire 289 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1500	0.45
2	375	0.89
3	167	1.34
4	94	1.79
5	60	2.23

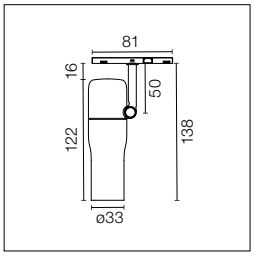
* Für polished silver beträgt ihre Leistung 4,7 W. / For polished silver finishes their power is 4.7W.

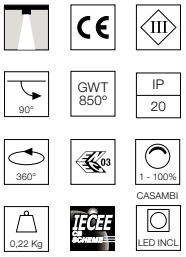
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Atom 120 Designed By Piero Lissoni

Power LED 8W* - 635 lm - 2700K/CRI 90 / 8W* - 680 lm - 3000K/CRI 90





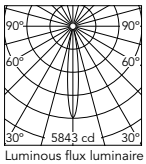
LED-Akzentbeleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

2700K
- 09.3841.40A
- 09.3841.05*
- 09.3841.14A
- 09.3841.CZA
- 09.3841.18A

**Casambi integrated
- 09.3941.40A
- 09.3941.05*
- 09.3941.14A
- 09.3941.CZA
- 09.3941.18A

14° SPOT



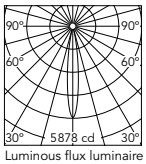
Luminous flux luminaire 433 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	5843	0.24
2	1461	0.48
3	649	0.72
4	365	0.95
5	234	1.19

3000K
- 09.3840.40A
- 09.3840.05*
- 09.3840.14A
- 09.3840.CZA
- 09.3840.18A

**Casambi integrated
- 09.3940.40A
- 09.3940.05*
- 09.3940.14A
- 09.3940.CZA
- 09.3940.18A

14° SPOT



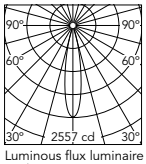
Luminous flux luminaire 440 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	5878	0.24
2	1469	0.49
3	653	0.73
4	367	0.97
5	235	1.21

2700K
- 09.3843.40A
- 09.3843.05*
- 09.3843.14A
- 09.3843.CZA
- 09.3843.18A

**Casambi integrated
- 09.3943.40A
- 09.3943.05*
- 09.3943.14A
- 09.3943.CZA
- 09.3943.18A

20° MEDIUM



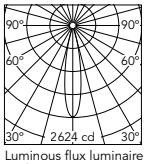
Luminous flux luminaire 364 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	2557	0.35
2	639	0.70
3	284	1.06
4	160	1.41
5	102	1.76

3000K
- 09.3842.40A
- 09.3842.05*
- 09.3842.14A
- 09.3842.CZA
- 09.3842.18A

**Casambi integrated
- 09.3942.40A
- 09.3942.05*
- 09.3942.14A
- 09.3942.CZA
- 09.3942.18A

20° MEDIUM

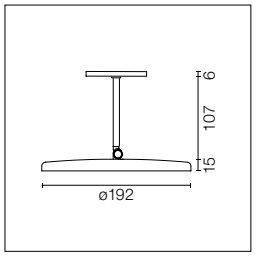


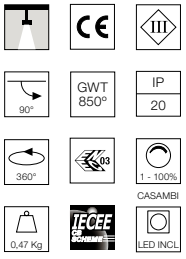
Luminous flux luminaire 373 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	2624	0.35
2	656	0.70
3	292	1.06
4	164	1.41
5	105	1.76

Atom 200 Designed By Piero Lissoni

Power LED 10,5W - 1050 lm - 2700K/CRI 90 / 10,5W - 1150 lm - 3000K/CRI 90





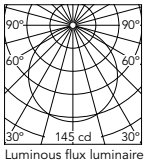
Allgemeines LED-Beleuchtungsmodul zum Einbau in das Zero Track-System.
Integrierter elektronischer Leistungswandler DC/DC.
Für die individuelle Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.
Nicht auf vertikalen Schienen montierbar.
Achtung: Nur Deckenmontage.

LED general lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Not suitable for vertical installations.
Warning: Only ceiling installation.

2700K
- 09.3851.40
- 09.3851.05
- 09.3851.14
- 09.3851.CZ
- 09.3851.18

**Casambi integrated
- 09.3951.40
- 09.3951.05
- 09.3951.14
- 09.3951.CZ
- 09.3951.18

110°



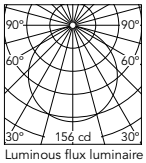
Luminous flux luminaire 395 lm

Beam Angle:		110°
h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

3000K
- 09.3850.40
- 09.3850.05
- 09.3850.14
- 09.3850.CZ
- 09.3850.18

**Casambi integrated
- 09.3950.40
- 09.3950.05
- 09.3950.14
- 09.3950.CZ
- 09.3950.18

110°



Luminous flux luminaire 424 lm

Beam Angle:		110°
h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

* Für polished silver beträgt ihre Leistung 6W. / For polished silver finishes their power is 6W.

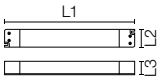
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Treiber / Drivers

Remote Installation
Fernspeisung.
No Dimable. 220/240V.

Remote power supply.
Non Dimmable. 220/240V.



120W - 220/240V
L1: 300 - L2: 40 - L3: 30
60.9516

120W - 220/240V
L1: 268 - L2: 45 - L3: 31
60.9777A

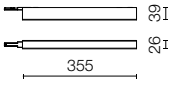
100W - 220/240V
L1: 295 - L2: 43 - L3: 30
60.9443

60W - 220/240V
L1: 180 - L2: 52 - L3: 30
60.9515

60W - 220/240V
L1: 225 - L2: 43 - L3: 30
60.9374

Surface Installation Driver
Zwischenstromversorgung für die Oberflächeninstallation. No Dimable.

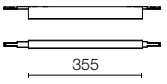
Power supply surface end. Non Dimmable.



96W
06.2510.40A
06.2510.05A
06.2510.14A
06.2510.CZA
06.2510.18A

Zwischenstromversorgung für die Oberflächenmontage. No Dimable.

Power supply surface middle. Non Dimmable.

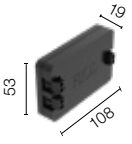


96W
06.2511.40A
06.2511.05A
06.2511.14A
06.2511.CZA
06.2511.18A

Steuereinheit / Control Units

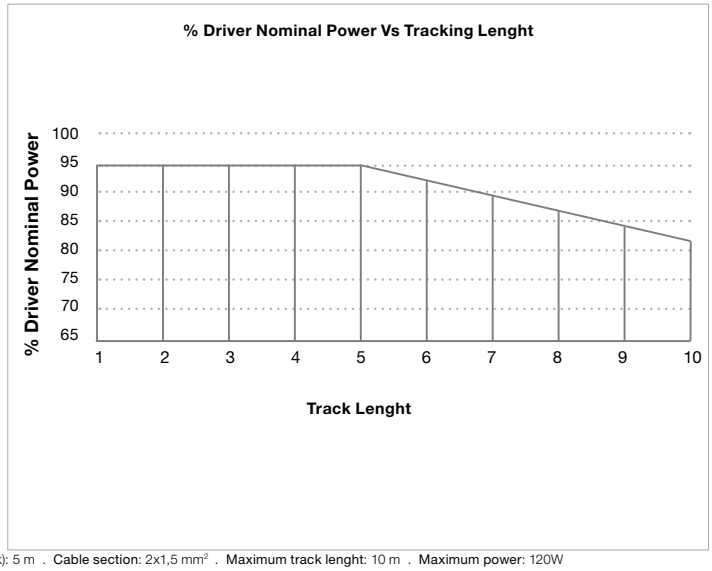
Drahtlose Dimmerbrücke. Von 1-10V bis Casambi. Zur Remote-Installation. Siehe Produktspezifikationen im Flos Control-Handbuch. Akkreditiert als Aktuar als Lutron-Amerikaner bei Casambi.

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.



DIM 1-10V >> Casambi
08.0824.14

Track Lenght (m)	% Driver Nominal Power
1	95
2	95
3	95
4	95
5	95
6	93
7	91
8	89
9	87
10	85

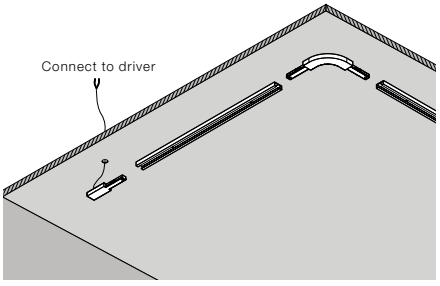


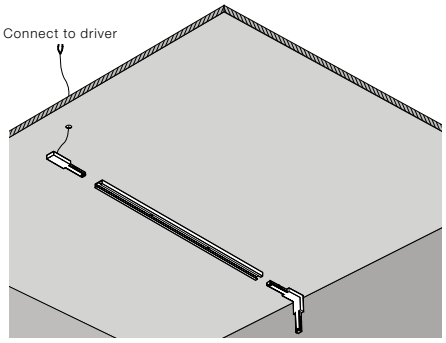
Example:
Ref. 60.9515: 60W / 4 m track
60W x 0,95= 57W available

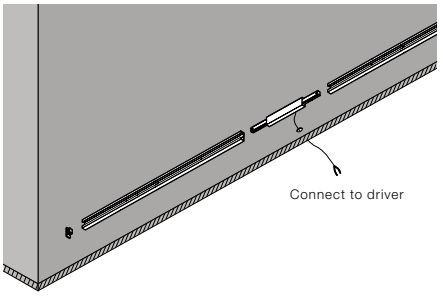
	W luminary	N° luminaries	W luminaries
Find Me 0	3,5	3	10,5
Find Me 1	5,5	0	0
Find Me 2	10,5	0	0
Atom 90	5,5	3	16,5
Atom 120	8	2	16
Atom 200	10,5	1	10,5
	Total system power: 53,5W		

Maximum cable lenght: (driver to track): 5 m . **Cable section:** 2x1,5 mm² . **Maximum track lenght:** 10 m . **Maximum power:** 120W

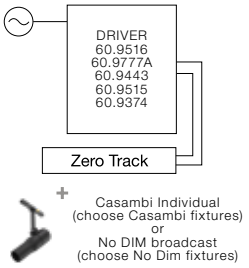
Remote Driver Installations







Individual Casambi / No DIM



FLOS
CONTROL BY CASAMBI

RECESSED

SURFACE

Recessed Profiles ■ 14 Schwarz
14 Black

Surface Profiles □ 40 Weiss
40 White

■ 14 Schwarz
14 Black

Produktbeschreibung
Innovatives Programm ultra-miniaturisierter Strukturen in Einbau- oder Aufputzversionen. Dank einer magnetischen Befestigung mit einer Vielzahl an professionellen Beleuchtungslösungen kompatibel. Der Micro Running Magnet ist die ultimative Lösung zur Beleuchtung von Ausstellungen. Ein umfassendes und professionelles Programm, das neben geringen Abmessungen ein ausbalanciertes und attraktives Licht bietet, um jedes Objekt in 360° optimal hervorzuheben.
Die Quintessenz des integrierten Lichts, das dank eines nur 5 mm breiten Profils erzielt wird und das die vollständige Einbindung der Mikrovorrichtungen ermöglicht, die entworfen wurden, um mit der Struktur kombiniert zu werden, bis sie nahezu komplett verschwinden.
Die unglaublich geringe Größe des Profils, welches das Programm kennzeichnet, erhöht die Flexibilität des Lichts und unterstreicht seine Beziehung zur Architektur. Die Installation der Leuchtkörper erfolgt mittels einer Magnethalterung innerhalb des Profils für eine unübertroffene Benutzerfreundlichkeit.
Magnetische Befestigung der Leuchten, die auch eine Handhabung in heißem Zustand ermöglicht. Die Leuchtkörper können in eingeschaltetem Zustand bewegt werden, sodass jederzeit eine größere Flexibilität und Anpassungsfähigkeit der Konfiguration zu erzielen ist.
Sämtliche Konstruktionsprofile von Micro Running Magnet bestehen aus extrudiertem Aluminium in Schwarz und Weiß und sind mit elektrischen Schienen ausgestattet, die mit 24 V versorgt werden, auf denen die LED-Leuchten über ein magnetisches Befestigungssystem angebracht werden.
Komplettes Sortiment von Mikro-Projektoren, die mit unterschiedlicher Leistung und in verschiedenen Größen erhältlich sind. Sie alle enthalten professionell stabilisierte Mikrolinsen aus Acryl für eine maximale Kontrolle über die Leuchteffekte.

Steuerung
- DALI: Broadcast-Steuerung, alle Leuchten gleichzeitig.
- 1-10V: Broadcast-Fernsteuerung (Dimmen aller Leuchten einer Gruppe).
- CASAMBI: Broadcast und Einzel-Steuerung mittels App für Tablet oder Smartphone (FLOS Control®).
Für Mobilgeräte ist eine APP erforderlich (erhältlich im Apple Store und auf Google Play).

Optisches System
Das Akzentbeleuchtungsmodul ist mit intensiver (spot lens) und extensiver Optik (medium, flood und wide flood) erhältlich.
Das lineare Beleuchtungsmodul mit direktem Licht für die Allgemein- und Wandbeleuchtung in unterschiedlichen Längen zwischen 300 mm und 1200 mm.

Einspeisung
Fern-Netzteil 24V nicht enthalten.

Zusatzinformationen
Der Micro Running Magnet ist ein mit 24 V gespeistes elektrisches System, das auf eine maximale Stromstärke von 5 A und 120 V begrenzt ist, um Überlastungen zu verhindern. Jedes Mal, wenn 120 W erreicht werden, muss die Verbindung über ein Einspeisungsprofil erneut erfolgen.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.
Empfohlen für die Installation auf 12,5 mm dicken Gipskartonoberflächen für die Recessed-Version. PWM Dimmbare Treiber mit Spannungsausgang sind bei Frequenzen zwischen 250 und 500 Hz zu verwenden.
In manchen Fällen, je nach Installation, kann das Dimmen per Broadcast ein hörbares Summen produzieren.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Innovative program of ultra-miniaturized structures in recessed and surface versions. Compatible with a wide range of professional lighting solutions by means of magnetic fixing. The Micro Running Magnet is the ultimate solution for exhibition lighting. A complete and professional program that, in addition to its reduced dimensions, provides a balanced and attractive light to highlight each object in the best way and in 360º.
The quintessence of integrated light obtained thanks to a profile of only 5 mm that allows the total integration of micro-devices designed to be combined with the structure until they disappear almost completely.
The incredibly small profile size that characterizes the program enhances the light's flexibility and its relationship with the architecture. The light¬ing bodies are installed by means of a magnetic support inside the profile, providing an unparalleled ease of use.
Magnetic fixing of the luminaries, which allows hot handling. The lighting bodies can be orientated when they are still on, achieving enormous flexibility and adaptability in the configuration at any time.
The profile of all The Micro Running Magnet structural tracks is extruded aluminum, painted black or white, housing a graphite electric track fed at 24V, on which all magnetic luminaries are installed simply by insertion.
Complete range of micro-projectors available in various powers and sizes. They all include professional acrylic stabilized micro-lenses for a maximum control of lighting effects.

Control
- DALI: broadcasting remote control (dimming of all the luminaires in a single group).
- 1/10V: broadcasting remote control (dimming of all the luminaires in a single group).
- Casambi: individual and broadcast control through a tablet or smartphone application (FLOS Control®).
App needed for mobile devices (available in Apple Store y Google Play).

Optic system
The accent light modules are available with intensive optics (spot lens) and extensive optics (medium, flood and wide flood lens).
Linear lighting modules with direct diffused or wall-washer light emission, available in different lengths from 300mm up to 1200mm.

Power Supply
Remote 24V power supply not included.

Additional Information
The Micro Running Magnet is a 24V electrical system limited to a maximum power current of 5A and 120W to avoid overloads. After every 120W make a new connection with a feed unit profile.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.
For Recessed version, installation on 12.5 mm-thick plasterboard surfaces is recommended. PWM Voltage output dimmable drivers shall be used at. Frequencies between 250 and 500 Hz.
In few cases, depending on the installation, the broadcast dimming can produce an audible buzz.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and anysubsequent additions

THE MICRO RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

LIGHT MODULES

NANO SPOT

LIGHT SOURCE
POWER LED
2W
165 lm
2700K/CRI 90
170 lm
3000K/CRI 90
185 lm
4000K/CRI 90
200 lm
5000K/CRI 90

MICRO SPOT

LIGHT SOURCE
POWER LED
3W
275 lm
2700K/CRI 90
295 lm
3000K/CRI 90
315 lm
4000K/CRI 90
335 lm
5000K/CRI 90

SPOT

LIGHT SOURCE
POWER LED
6W
545 lm
2700K/CRI 90
585 lm
3000K/CRI 90
625 lm
4000K/CRI 90
665 lm
5000K/CRI 90

LIGHT SHADOW SPOT Ø30

LIGHT SOURCE
POWER LED
3W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90
300 lm
4000K/CRI 90
320 lm
5000K/CRI 90

FIND ME 0

LIGHT SOURCE
POWER LED
3,5W
249 lm
2700K/CRI 90
270 lm
3000K/CRI 90

FIND ME 1

LIGHT SOURCE
POWER LED
5,5W
446 lm
2700K/CRI 90
463 lm
3000K/CRI 90

LIGHT STRIPE DIFFUSED

LIGHT STRIPE WALL-WASHER

LIGHT SOURCE
TOP LED
15W/m
1440 lm/m
2700K/CRI 90
1550 lm/m
3000K/CRI 90
1660 lm
4000K/CRI 90
1775 lm
5000K/CRI 90

Recessed Profile

14 Schwarz
14 Black

Surface Profile

40 Weiss
40 White

14 Schwarz
14 Black

Spots & Light Shadow Spot Ø30

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer*
EQ Brushed Copper*

ER Gebürsteter Stahl*
ER Brushed Steel*

ES Gebürstete Bronze*
ES Brushed Bronze*

*On Demand - Metallic Colours

Find Me

40 Weiss
40 White

14 Schwarz
14 Black

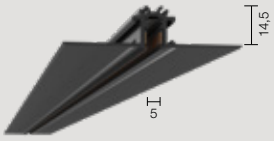
Light Stripes

14 Schwarz
14 Black

HOW TO ORDER

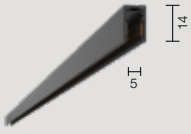
1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

SURFACE PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector

Intermediate connector

Straight

End cap

90º Corner

Electrical / Mechanical joint

Inner corner

Electrical / Mechanical joint

Feed connector

Intermediate connector

Straight

End cap

90º Corner

Electrical / Mechanical

Inner corner

Electrical / Mechanical

3 SELECT POWER SUPPLY

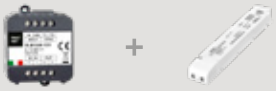
Installation remote driver

(select the driver with the appropriate power according to the needs of your project)

Non Dimmable / Casambi Individual

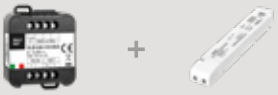
60W / 100W / 120W

0/1-10V · Push broadcast



Dimmer + 60W / 100W / 120W

DALI · Push broadcast



Dimmer + 60W / 100W / 120W

Casambi broadcast

Dimmer + 60W / 100W / 120W + No DIM

4 SELECT A LIGHT MODULE

No DIM / Broadcast DIM

Light Stripe Diffused

L: 300 mm / 600 mm / 900 mm / 1200 mm

General lighting

Light Stripe Wall-Washer

L: 300 mm / 600 mm / 900 mm / 1200 mm

Wall-Washer

Nano Spot

M/F

Micro Spot

S/M/F

Spot

S/M

Light Shadow Spot Ø30

S/M/F/WF

*On Demand - Metallic Colours

Casambi Individual DIM

Find Me 0

S/M

Find Me 1

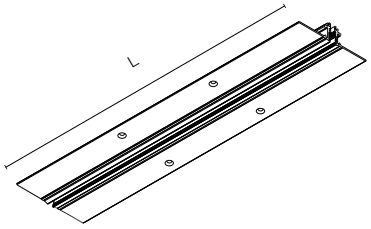
S/M

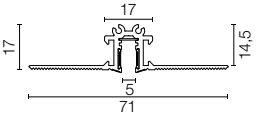
Profile

Sehr kompaktes elektromechanisches Profil für den Einbau in Gipskartondecken und -wänden in Längen von 1 bis 3 m erhältlich.
Befestigungszubehör im Lieferumfang der Profile enthalten.
90°-Ecken auf derselben Ebene verfügbar (symmetrisches Element für die linke und rechte Ecke).

Profiles

Electromechanical profile of reduced size for recessed installation in plasterboard ceilings/walls with lengths from 1 to 3 m.
Fastening accessories included with the profiles.
90° corners available in the same plane (symmetrical element for left and right corners).



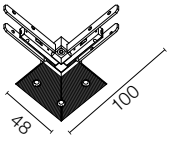


L: 1000 mm
06.6000.14
L: 1500 mm
06.6001.14
L: 2000 mm
06.6002.14
L: 2500 mm
06.6003.14
L: 3000 mm
06.6004.14

L: 1 m / 1,5 m / 2m / 2,5m / 3 m

90° Winkel.
Elektrische/mechanische Verbindung. Ohne Stromversorgung. Leuchten können nicht an den Ecken angebracht werden.

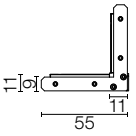
90° Corner.
Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.



06.6030.14

Innenwinkel.
Elektrische/mechanische Verbindung. Ohne Stromversorgung. Leuchten können nicht an den Ecken angebracht werden.

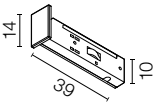
Inner corner.
Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.



06.6032.14

Versorgungsanschluss.
2 m Kabel enthalten.
Elektrische Verbindung. Leuchten können nicht am Stecker angebracht werden.

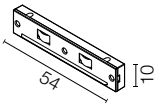
Feed connector.
2m cable included.
Electrical connection. Luminaires cannot be located in the connector.



06.6034.14

Mittlerer Verbinder.
Elektrische Verbindung. Leuchten können nicht am Stecker angebracht werden.

Intermediate connector.
Electrical connection. Luminaires cannot be located in the connector.



06.6035.14

Endkappe. Set mit 1 Einheit.

End cap. 1 unit kit.

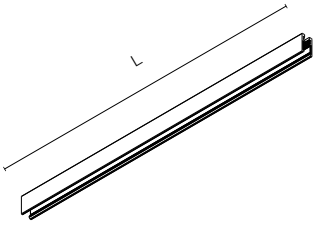
06.6036.14

Profile

Sehr kompaktes elektromechanisches Profil für die Oberflächenmontage (Decke oder Wand) in Längen von 1 bis 3 m erhältlich.
Befestigungszubehör im Lieferumfang der Profile enthalten.
90°-Ecken auf derselben Ebene verfügbar (symmetrisches Element für die linke und rechte Ecke).
Die Innenseite des Profils wird immer in Schwarz geliefert.

Profiles

Electromechanical profile of reduced size for installation on surfaces (ceiling or wall) with lengths from 1 to 3 m.
Fastening accessories included with the profiles.
90° corners available in the same plane (symmetrical element for left and right corners).
The inner part of the profile is always supplied in black.

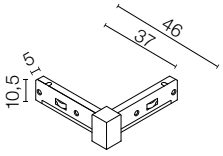


L: 1 m / 1,5 m / 2m / 2,5m / 3 m

L: 1000 mm
06.6010.40
06.6010.14
L: 1500 mm
06.6011.40
06.6011.14
L: 2000 mm
06.6012.40
06.6012.14
L: 2500 mm
06.6013.40
06.6013.14
L: 3000 mm
06.6014.40
06.6014.14

90° Winkel.
Elektrische/mechanische Verbindung. Ohne Stromversorgung. Leuchten können nicht an den Ecken angebracht werden.

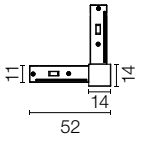
90° Corner.
Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.



06.6031.40
06.6031.14

Innenwinkel.
Elektrische/mechanische Verbindung. Ohne Stromversorgung. Leuchten können nicht an den Ecken angebracht werden.

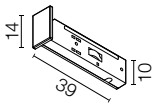
Inner corner.
Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.



06.6033.40
06.6033.14

Versorgungsanschluss.
2 m Kabel enthalten.
Elektrische Verbindung. Leuchten können nicht am Stecker angebracht werden.

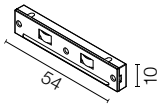
Feed connector.
2m cable included.
Electrical connection. Luminaires cannot be located in the connector.



06.6034.40
06.6034.14

Mittlerer Verbinder.
Elektrische Verbindung. Leuchten können nicht am Stecker angebracht werden.

Intermediate connector.
Electrical connection. Luminaires cannot be located in the connector.



06.6035.14

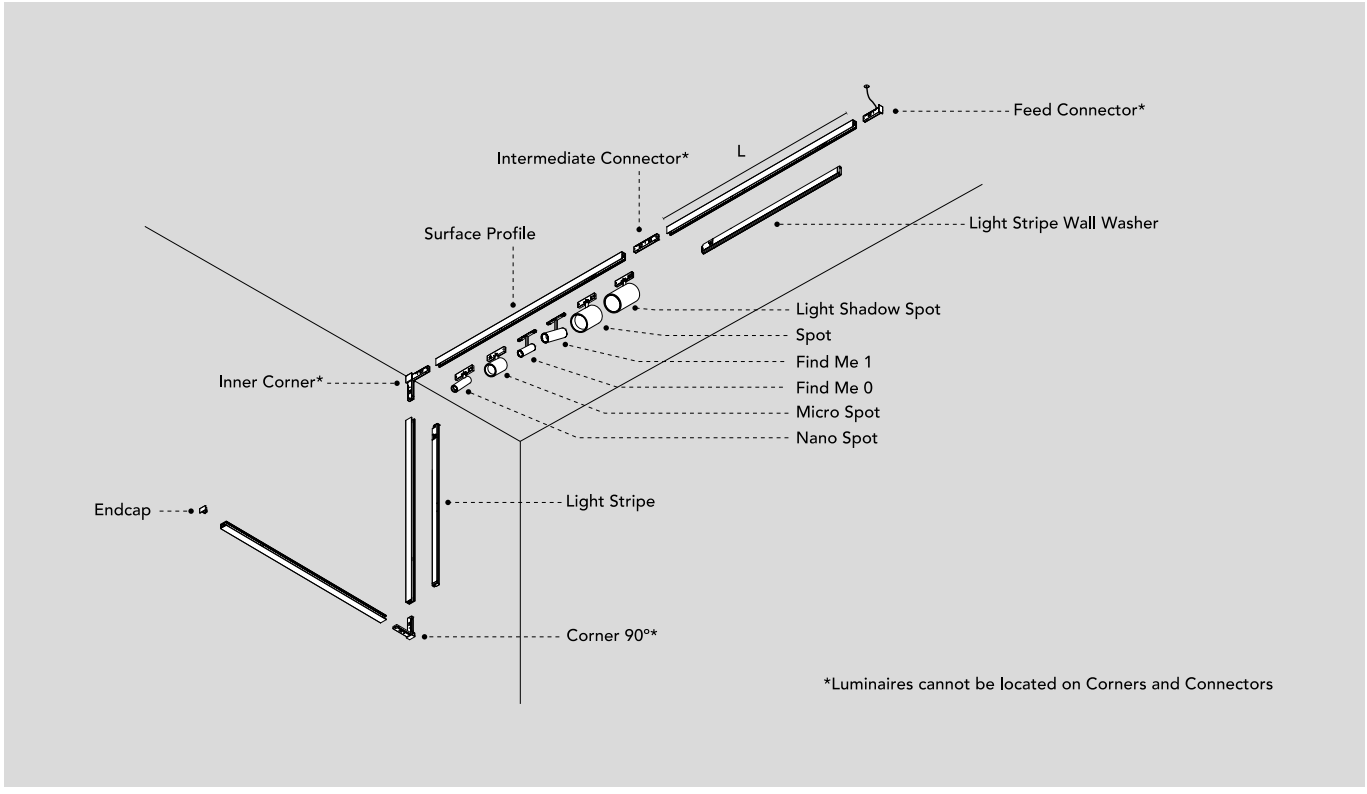
Endkappe. Set mit 1 Einheit.

End cap. 1 unit kit.

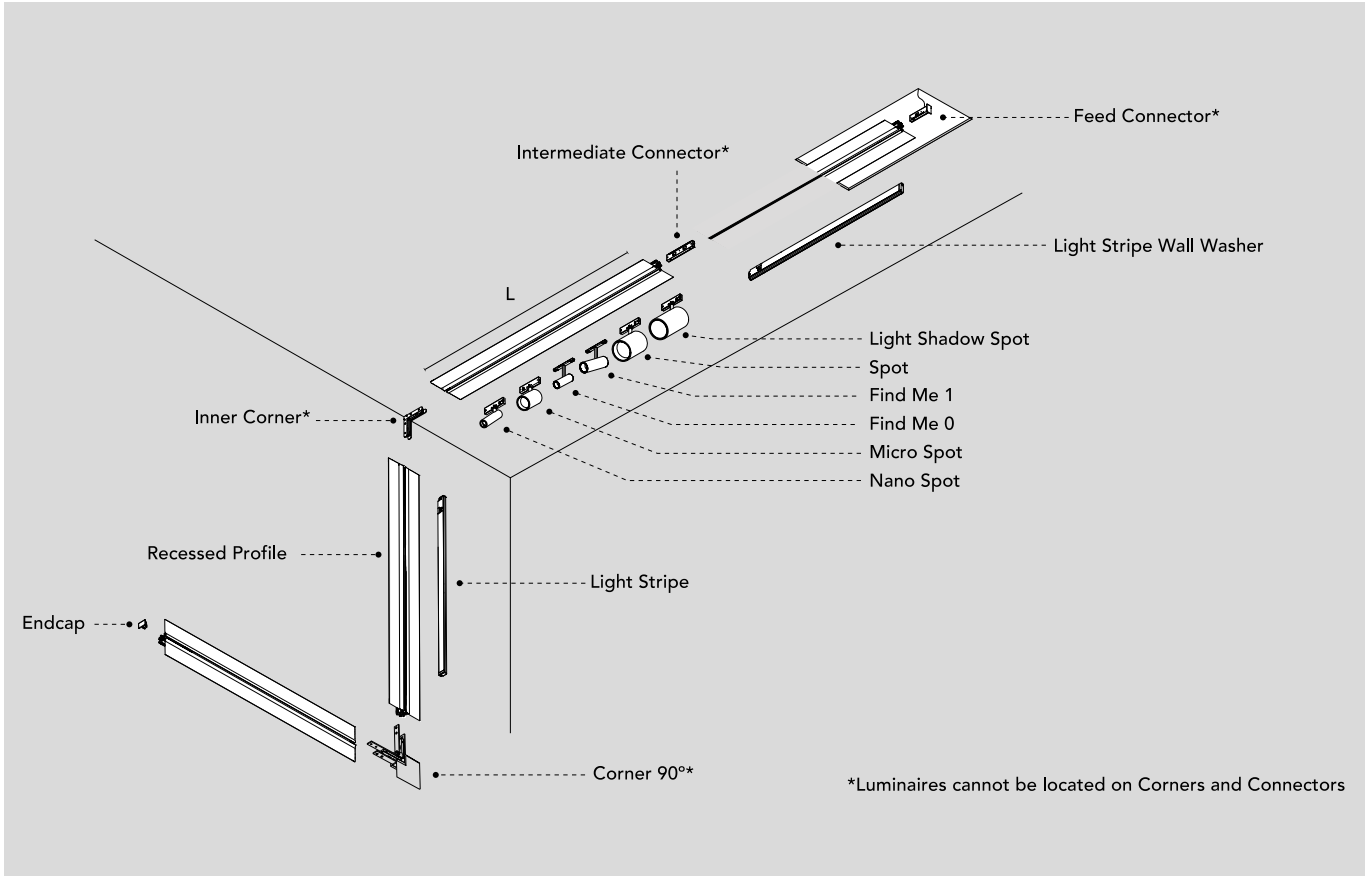
06.6036.40
06.6036.14

THE MICRO RUNNING MAGNET — INSTALLATION PROFILES

SURFACE INSTALLATION

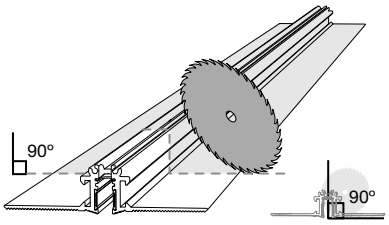


RECESSED INSTALLATION



• Kann ich die Profile schneiden?
Ja. Die Profile können an jeder Stelle geschnitten und die elektrische Verbindung über den Zwischenstecker fortgesetzt werden.

• Can I cut the profiles?
Yes. The profiles can be cut at any point and the electrical connection continued using the intermediate connector.



• Kann ich einen Strahler in den Ecken oder zwischen zwei Profilen platzieren?
Nein, die Eckstücke haben keinen freien Platz für Leuchten, die Ecke und die Fugen zwischen den Profilen enthalten die elektrischen Anschlüsse als Zwischenverbinder.

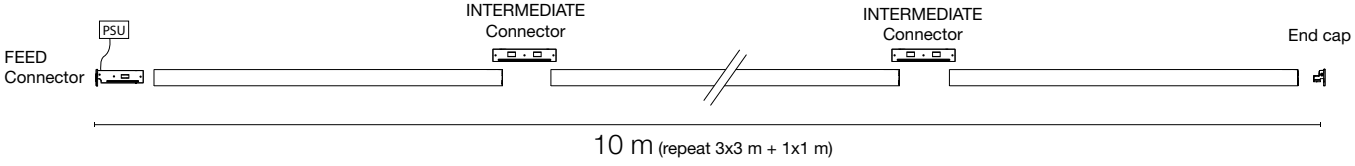
• Can I place a spotlight in the corners or between two profiles?
No, the corner pieces have no free space for luminaires, the corner and the joints between profiles contain the electrical connections as intermediate connectors.

• Kann ich die Leuchten einzeln dimmen?
Nein. Mit den empfohlenen Geräten können sie eingestellt werden, allerdings nicht einzeln.

• Can I dim the luminaires individually?
No. By using the recommended equipment, they can be adjusted, but all at once.

• Was ist die maximale Länge, die mit einem Netzteil an einer Struktur versorgt werden kann?
Die maximale Länge eines Profils, das mit einem Netzteil versorgt werden kann, beträgt 10 Meter.

• What is the maximum length that can be powered with one power supply on a structure?
The maximum length of a profile that can be powered with one power source is 10 metres.

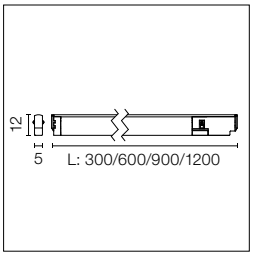


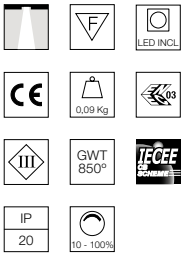
• Kann ich eine Struktur über eine Ecke oder einen Zwischenstecker mit Strom versorgen?
Nein. Die Ecken und der Zwischenstecker dieses Systems können nicht mit Strom versorgt werden.

• Can I power a structure from a corner or intermediate connector?
No. The corners and intermediate connector of this system cannot be powered.

Light Stripe Diffused

Top LED 15W/m - 1440 lm/m - 2700K/CRI 90 / 15W/m - 1550 lm/m - 3000K/CRI 90 / 15W/m - 1660 lm/m - 4000K/CRI 90 / 15W/m -1775 lm/m - 5000K/CRI 90

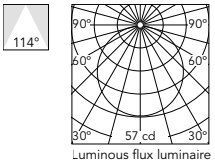




LED-Beleuchtungsmodul mit diffusem Licht für die Installation im System The Micro Running Magnet. Elektronischer DC/DC-Wandler enthalten.

Diffused LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

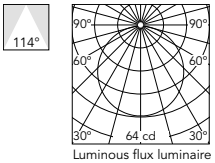
2700K
L: 300 mm - 4,5W
03.2260.14



Luminous flux luminaire 205 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	57	3.11
2	14	6.21
3	6	9.32
4	4	12.43
5	2	15.53

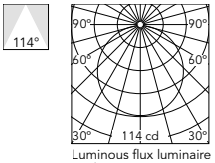
3000K
L: 300 mm - 4,5W
03.2261.14



Luminous flux luminaire 230 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	64	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

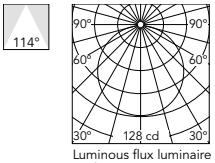
2700K
L: 600 mm - 9W
03.2264.14



Luminous flux luminaire 411 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	114	3.11
2	29	6.21
3	13	9.32
4	7	12.43
5	5	15.53

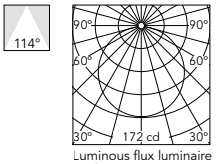
3000K
L: 600 mm - 9W
03.2265.14



Luminous flux luminaire 460 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	128	3.11
2	32	6.21
3	14	9.32
4	8	12.43
5	5	15.53

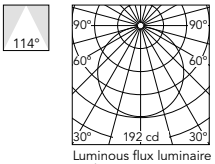
2700K
L: 900 mm - 13,5W
03.2268.14



Luminous flux luminaire 616 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	172	3.11
2	43	6.21
3	19	9.32
4	11	12.43
5	7	15.53

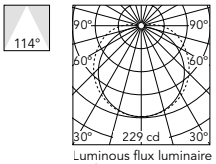
3000K
L: 900 mm - 13,5W
03.2269.14



Luminous flux luminaire 689 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	192	3.11
2	48	6.21
3	21	9.32
4	12	12.43
5	8	15.53

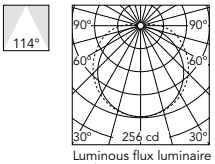
2700K
L: 1200 mm - 18W
03.2272.14



Luminous flux luminaire 821 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	229	3.11
2	57	6.21
3	25	9.32
4	14	12.43
5	9	15.53

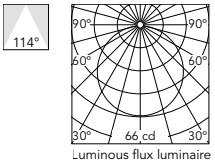
3000K
L: 1200 mm - 18W
03.2273.14



Luminous flux luminaire 919 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	256	3.11
2	64	6.21
3	28	9.32
4	16	12.43
5	10	15.53

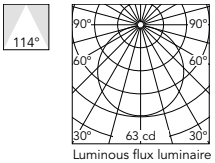
4000K
L: 300 mm - 4,5W
03.2262.14



Luminous flux luminaire 237 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	66	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

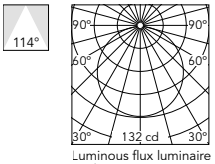
5000K
L: 300 mm - 4,5W
03.2263.14



Luminous flux luminaire 226 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	63	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

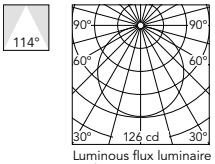
4000K
L: 600 mm - 9W
03.2266.14



Luminous flux luminaire 473 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	132	3.11
2	33	6.21
3	15	9.32
4	8	12.43
5	5	15.53

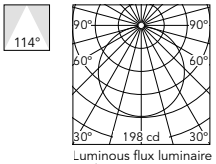
5000K
L: 600 mm - 9W
03.2267.14



Luminous flux luminaire 452 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	126	3.11
2	31	6.21
3	14	9.32
4	8	12.43
5	5	15.53

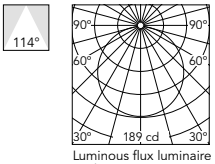
4000K
L: 900 mm - 13,5W
03.2270.14



Luminous flux luminaire 710 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	198	3.11
2	49	6.21
3	22	9.32
4	12	12.43
5	8	15.53

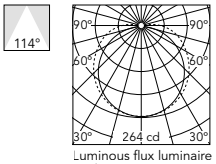
5000K
L: 900 mm - 13,5W
03.2271.14



Luminous flux luminaire 678 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	189	3.11
2	47	6.21
3	21	9.32
4	12	12.43
5	8	15.53

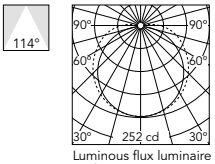
4000K
L: 1200 mm - 18W
03.2274.14



Luminous flux luminaire 947 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	264	3.11
2	66	6.21
3	29	9.32
4	16	12.43
5	11	15.53

5000K
L: 1200 mm - 18W
03.2275.14

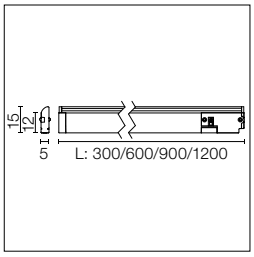


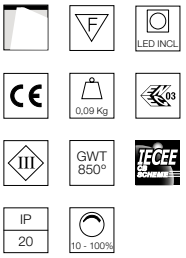
Luminous flux luminaire 904 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	252	3.11
2	63	6.21
3	28	9.32
4	16	12.43
5	10	15.53

Light Stripe Wall-Washer

Top LED 15W/m - 1440 lm/m - 2700K/CRI 90 / 15W/m - 1550 lm/m - 3000K/CRI 90 / 15W/m - 1660 lm/m - 4000K/CRI 90 / 15W/m -1775 lm/m - 5000K/CRI 90

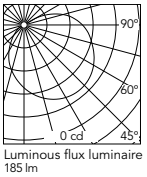




Asymmetrisches LED-Beleuchtungsmodul für Wall-Washer für die Installation im System The Micro Running Magnet. Elektronischer DC/DC-Wandler enthalten.

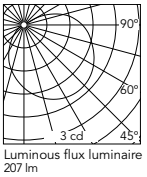
Asymmetric wall-washer LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

2700K
L: 300 mm - 4,5W
03.2280.14



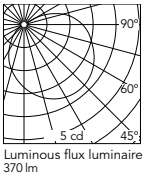
Luminous flux luminaire
185 lm

3000K
L: 300 mm - 4,5W
03.2281.14



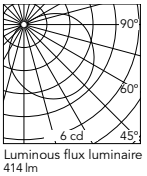
Luminous flux luminaire
207 lm

2700K
L: 600 mm - 9W
03.2284.14



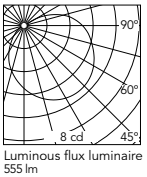
Luminous flux luminaire
370 lm

3000K
L: 600 mm - 9W
03.2285.14



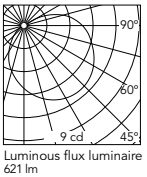
Luminous flux luminaire
414 lm

2700K
L: 900 mm - 13,5W
03.2288.14



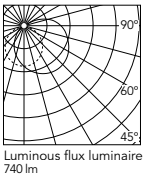
Luminous flux luminaire
555 lm

3000K
L: 900 mm - 13,5W
03.2289.14



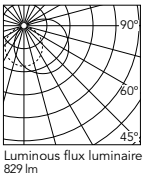
Luminous flux luminaire
621 lm

2700K
L: 1200 mm - 18W
03.2292.14



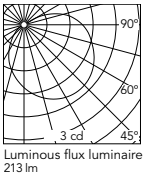
Luminous flux luminaire
740 lm

3000K
L: 1200 mm - 18W
03.2293.14



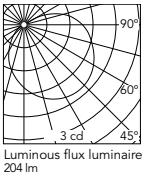
Luminous flux luminaire
829 lm

4000K
L: 300 mm - 4,5W
03.2282.14



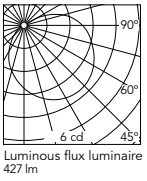
Luminous flux luminaire
213 lm

5000K
L: 300 mm - 4,5W
03.2283.14



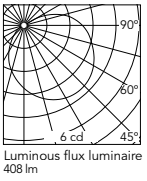
Luminous flux luminaire
204 lm

4000K
L: 600 mm - 9W
03.2286.14



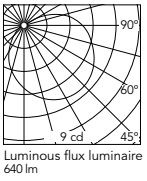
Luminous flux luminaire
427 lm

5000K
L: 600 mm - 9W
03.2287.14



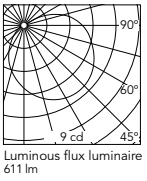
Luminous flux luminaire
408 lm

4000K
L: 900 mm - 13,5W
03.2290.14



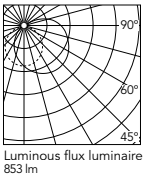
Luminous flux luminaire
640 lm

5000K
L: 900 mm - 13,5W
03.2291.14



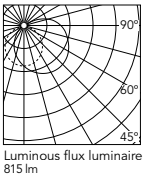
Luminous flux luminaire
611 lm

4000K
L: 1200 mm - 18W
03.2294.14



Luminous flux luminaire
853 lm

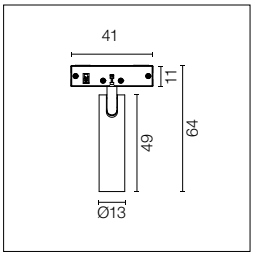
5000K
L: 1200 mm - 18W
03.2295.14

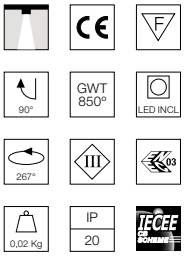


Luminous flux luminaire
815 lm

Nano Spot

Power LED 2W - 165 lm - 2700K/CRI 90 / 2W - 170 lm - 3000K/CRI 90 / 2W - 185 lm - 4000K/CRI 90 / 2W -200 lm - 5000K/CRI 90





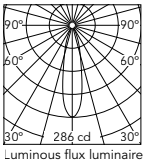
LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.

Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Optic Medium

2700K
- 03.2210.40A
- 03.2210.14A

23° MEDIUM

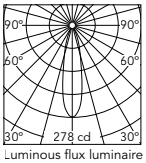


Luminous flux luminaire 73 lm

Beam Angle:	23°
h(m)	E(lx) D(m)
1	286 0.41
2	72 0.83
3	32 1.24
4	18 1.65
5	11 2.06

3000K
- 03.2211.40A
- 03.2211.14A

23° MEDIUM

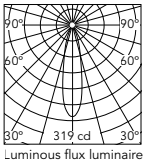


Luminous flux luminaire 70 lm

Beam Angle:	23°
h(m)	E(lx) D(m)
1	278 0.41
2	69 0.83
3	31 1.24
4	17 1.65
5	11 2.06

4000K
- 03.2212.40A
- 03.2212.14A

23° MEDIUM

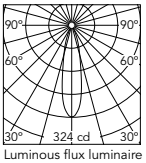


Luminous flux luminaire 81 lm

Beam Angle:	23°
h(m)	E(lx) D(m)
1	319 0.41
2	80 0.83
3	35 1.24
4	20 1.65
5	13 2.06

5000K
- 03.2213.40A
- 03.2213.14A

23° MEDIUM



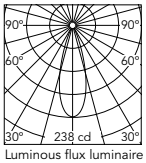
Luminous flux luminaire 82 lm

Beam Angle:	23°
h(m)	E(lx) D(m)
1	324 0.41
2	81 0.83
3	36 1.24
4	20 1.65
5	13 2.06

Optic Flood

2700K
- 03.2215.40A
- 03.2215.14A

32° FLOOD

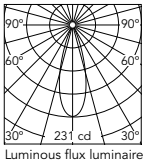


Luminous flux luminaire 77 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	238 0.57
2	60 1.15
3	26 1.72
4	15 2.29
5	10 2.87

3000K
- 03.2216.40A
- 03.2216.14A

32° FLOOD

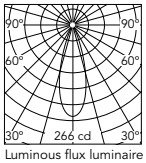


Luminous flux luminaire 75 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	231 0.57
2	58 1.15
3	26 1.72
4	14 2.29
5	9 2.87

4000K
- 03.2217.40A
- 03.2217.14A

32° FLOOD

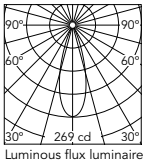


Luminous flux luminaire 86 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	266 0.57
2	66 1.15
3	30 1.72
4	17 2.29
5	11 2.87

5000K
- 03.2218.40A
- 03.2218.14A

32° FLOOD

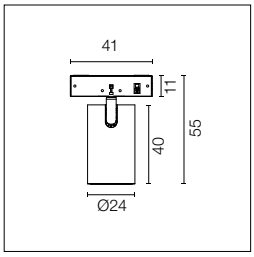


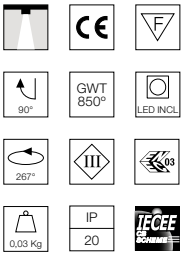
Luminous flux luminaire 87 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	269 0.57
2	67 1.15
3	30 1.72
4	17 2.29
5	11 2.87

Micro Spot

Power LED 3W - 275 lm - 2700K/CRI 90 / 3W - 295 lm - 3000K/CRI 90 / 3W - 315 lm - 4000K/CRI 90 / 3W - 335 lm - 5000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.

Honeycomb zubehör erhältlich. À commander séparément.

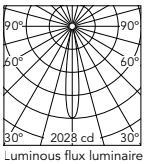
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Honeycomb accessory available. Must be ordered separately.

Optic Spot

2700K
03.2300.40A
03.2300.14A

16° SPOT

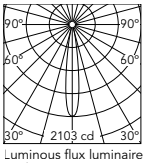


Luminous flux luminaire 216 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2028 0.27
2	507 0.54
3	225 0.82
4	127 1.09
5	81 1.36

3000K
03.2301.40A
03.2301.14A

16° SPOT

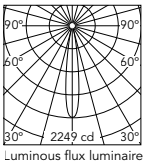


Luminous flux luminaire 224 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2103 0.27
2	526 0.54
3	234 0.82
4	131 1.09
5	84 1.36

4000K
03.2302.40A
03.2302.14A

16° SPOT

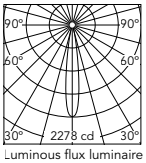


Luminous flux luminaire 240 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2249 0.27
2	562 0.54
3	250 0.82
4	141 1.09
5	90 1.36

5000K
03.2303.40A
03.2303.14A

16° SPOT



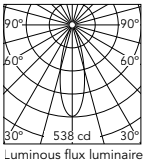
Luminous flux luminaire 243 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2278 0.27
2	570 0.54
3	253 0.82
4	142 1.09
5	91 1.36

Optic Flood

2700K
03.2225.40A
03.2225.14A

31° FLOOD

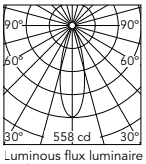


Luminous flux luminaire 183 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	538 0.54
2	134 1.09
3	60 1.63
4	34 2.17
5	22 2.72

3000K
03.2226.40A
03.2226.14A

31° FLOOD

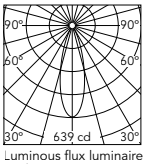


Luminous flux luminaire 189 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	558 0.54
2	139 1.09
3	62 1.63
4	35 2.17
5	22 2.72

4000K
03.2227.40A
03.2227.14A

31° FLOOD

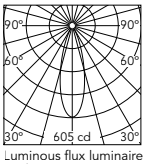


Luminous flux luminaire 217 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	639 0.54
2	160 1.09
3	71 1.63
4	40 2.17
5	26 2.72

5000K
03.2228.40A
03.2228.14A

31° FLOOD



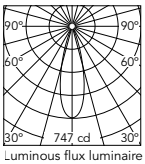
Luminous flux luminaire 205 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	605 0.54
2	151 1.09
3	67 1.63
4	38 2.17
5	24 2.72

Optic Medium

2700K
03.2220.40A
03.2220.14A

28° MEDIUM

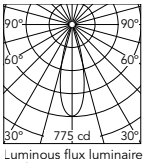


Luminous flux luminaire 200 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	747 0.51
2	187 1.02
3	83 1.54
4	47 2.05
5	30 2.56

3000K
03.2221.40A
03.2221.14A

28° MEDIUM

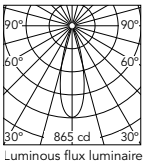


Luminous flux luminaire 207 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	775 0.51
2	194 1.02
3	86 1.54
4	48 2.05
5	31 2.56

4000K
03.2222.40A
03.2222.14A

28° MEDIUM

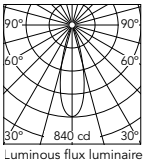


Luminous flux luminaire 231 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	865 0.51
2	216 1.02
3	96 1.54
4	54 2.05
5	35 2.56

5000K
03.2223.40A
03.2223.14A

28° MEDIUM

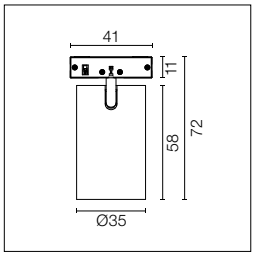


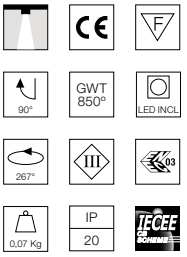
Luminous flux luminaire 224 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	840 0.51
2	210 1.02
3	93 1.54
4	52 2.05
5	34 2.56

Spot

Power LED 6W - 545 lm - 2700K/CRI 90 / 6W - 585 lm - 3000K/CRI 90 / 6W - 625 lm - 4000K/CRI 90 / 6W - 665 lm - 5000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.

Honeycomb zubehör erhältlich. À commander séparément.

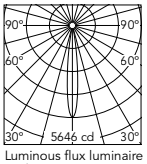
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Honeycomb accessory available. Must be ordered separately.

Optic Spot

2700K
- 03.2230.40A
- 03.2230.14A

13° SPOT

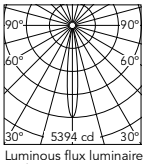


Luminous flux luminaire 340 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	5646	0.23
2	1411	0.45
3	627	0.68
4	353	0.90
5	226	1.13

3000K
- 03.2231.40A
- 03.2231.14A

13° SPOT

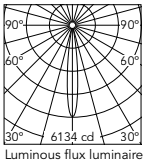


Luminous flux luminaire 324 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	5394	0.23
2	1349	0.45
3	599	0.68
4	337	0.90
5	216	1.13

4000K
- 03.2232.40A
- 03.2232.14A

13° SPOT

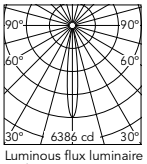


Luminous flux luminaire 369 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	6134	0.23
2	1534	0.45
3	682	0.68
4	383	0.90
5	245	1.13

5000K
- 03.2233.40A
- 03.2233.14A

13° SPOT



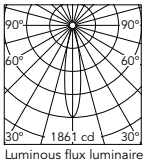
Luminous flux luminaire 384 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	6386	0.23
2	1597	0.45
3	710	0.68
4	399	0.90
5	255	1.13

Optic Medium

2700K
- 03.2235.40A
- 03.2235.14A

20° MEDIUM

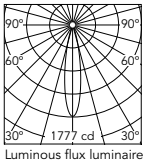


Luminous flux luminaire 315 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	1861	0.35
2	465	0.71
3	207	1.06
4	116	1.41
5	74	1.77

3000K
- 03.2236.40A
- 03.2236.14A

20° MEDIUM

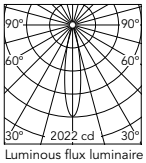


Luminous flux luminaire 301 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	1777	0.35
2	444	0.71
3	197	1.06
4	111	1.41
5	71	1.77

4000K
- 03.2237.40A
- 03.2237.14A

20° MEDIUM

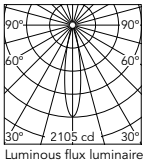


Luminous flux luminaire 342 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2022	0.35
2	505	0.71
3	225	1.06
4	126	1.41
5	81	1.77

5000K
- 03.2238.40A
- 03.2238.14A

20° MEDIUM

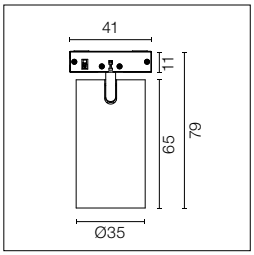


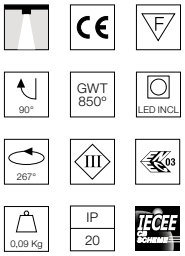
Luminous flux luminaire 356 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2105	0.35
2	526	0.71
3	234	1.06
4	132	1.41
5	84	1.77

Light Shadow Spot Ø30

Power LED 3W - 270 lm - 2700K/CRI 90 / 3W - 285 lm - 3000K/CRI 90 / 3W - 300 lm - 4000K/CRI 90 / 3W - 320 lm - 5000K/CRI 90





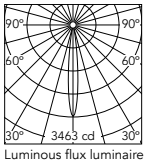
LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.

Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Optic Spot

2700K
03.2240.40
03.2240.14

12° SPOT

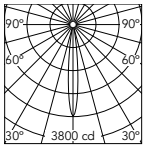


Luminous flux luminaire 203 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3463	0.21
2	866	0.42
3	385	0.63
4	216	0.84
5	139	1.05

3000K
03.2241.40
03.2241.14

12° SPOT

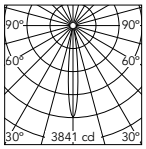


Luminous flux luminaire 223 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3800	0.21
2	950	0.42
3	422	0.63
4	237	0.84
5	152	1.05

4000K
03.2242.40
03.2242.14

12° SPOT

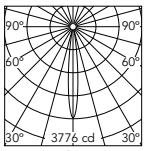


Luminous flux luminaire 225 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3841	0.21
2	960	0.42
3	427	0.63
4	240	0.84
5	154	1.05

5000K
03.2243.40
03.2243.14

12° SPOT



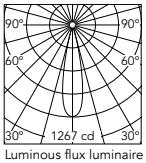
Luminous flux luminaire 221 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3776	0.21
2	944	0.42
3	420	0.63
4	236	0.84
5	151	1.05

Optic Medium

2700K
03.2245.40
03.2245.14

23° MEDIUM

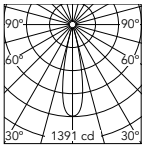


Luminous flux luminaire 191 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1267	0.40
2	317	0.80
3	141	1.20
4	79	1.60
5	51	2.00

3000K
03.2246.40
03.2246.14

23° MEDIUM

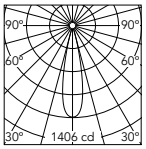


Luminous flux luminaire 210 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1391	0.40
2	348	0.80
3	155	1.20
4	87	1.60
5	56	2.00

4000K
03.2247.40
03.2247.14

23° MEDIUM

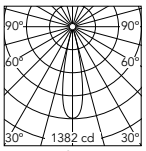


Luminous flux luminaire 212 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1406	0.40
2	351	0.80
3	156	1.20
4	88	1.60
5	56	2.00

5000K
03.2248.40
03.2248.14

23° MEDIUM



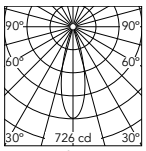
Luminous flux luminaire 209 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1382	0.40
2	345	0.80
3	154	1.20
4	86	1.60
5	55	2.00

Optic Flood

2700K
03.2250.40
03.2250.14

29° FLOOD

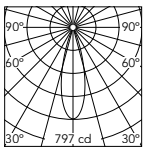


Luminous flux luminaire 186 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	726	0.51
2	182	1.03
3	81	1.54
4	45	2.05
5	29	2.57

3000K
03.2251.40
03.2251.14

29° FLOOD

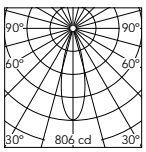


Luminous flux luminaire 204 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	797	0.51
2	199	1.03
3	89	1.54
4	50	2.05
5	32	2.57

4000K
03.2252.40
03.2252.14

29° FLOOD

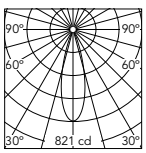


Luminous flux luminaire 206 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	806	0.51
2	201	1.03
3	90	1.54
4	50	2.05
5	32	2.57

5000K
03.2253.40
03.2253.14

29° FLOOD



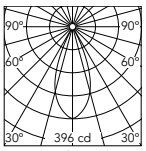
Luminous flux luminaire 210 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	821	0.51
2	205	1.03
3	91	1.54
4	51	2.05
5	33	2.57

Optic Wide Flood

2700K
03.2255.40
03.2255.14

42° WIDE FLOOD

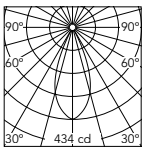


Luminous flux luminaire 175 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	396	0.77
2	99	1.53
3	44	2.30
4	25	3.07
5	16	3.83

3000K
03.2256.40
03.2256.14

42° WIDE FLOOD

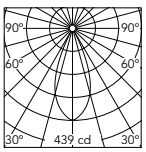


Luminous flux luminaire 192 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	434	0.77
2	108	1.53
3	48	2.30
4	27	3.07
5	17	3.83

4000K
03.2257.40
03.2257.14

42° WIDE FLOOD

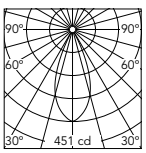


Luminous flux luminaire 194 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	439	0.77
2	110	1.53
3	49	2.30
4	27	3.07
5	18	3.83

5000K
03.2258.40
03.2258.14

42° WIDE FLOOD



Luminous flux luminaire 200 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	451	0.77
2	113	1.53
3	50	2.30
4	28	3.07
5	18	3.83

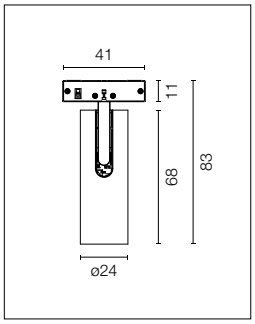
Zubehör / Accessories

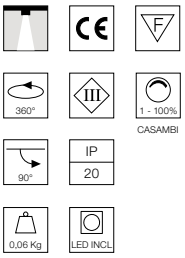
Light Shadow Spot Ø30

Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Find Me 0

Power LED 3,5W - 249 lm - 2700K/CRI 90 / 3,5W - 270 lm - 3000K/CRI 90





LED-Akzentbeleuchtungsmodul zum Einbau in das Micro Running Magnet-System. Integrierter elektronischer Leistungswandler DC/DC. Individuelle Steuerung der Leuchten mit Casambi via Flos Control App. Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

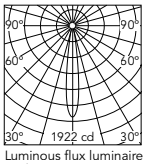
LED accent lighting module to be installed in the Micro Running Magnet system. Incorporated DC/DC electronic converter. Casambi via Flos Control App to individually control the lights. Accessories included (honeycomb and screening crosspiece).

Optic Spot
2700K

*Casambi integrated

☐ 03.2322.40
■ 03.2322.14

15° SPOT



Luminous flux luminaire
169 lm

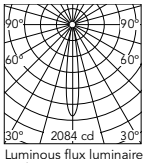
Beam Angle:		15°
h(m)	E(lx)	D(m)
1	1922	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

3000K

*Casambi integrated

☐ 03.2320.40
■ 03.2320.14

15° SPOT



Luminous flux luminaire
183 lm

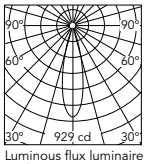
Beam Angle:		15°
h(m)	E(lx)	D(m)
1	2084	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

Optic Medium
2700K

*Casambi integrated

☐ 03.2323.40
■ 03.2323.14

25° MEDIUM



Luminous flux luminaire
179 lm

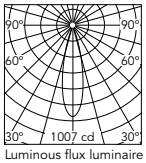
Beam Angle:		25°
h(m)	E(lx)	D(m)
1	929	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

3000K

*Casambi integrated

☐ 03.2321.40
■ 03.2321.14

25° MEDIUM



Luminous flux luminaire
194 lm

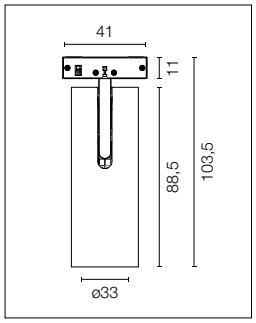
Beam Angle:		25°
h(m)	E(lx)	D(m)
1	1007	0.45
2	252	0.89
3	112	1.34
4	63	1.79
5	40	2.23

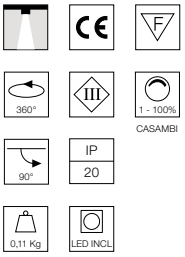
* Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Find Me 1

Power LED 5,5W - 446 lm - 2700K/CRI 90 / 5,5W - 463 lm - 3000K/CRI 90





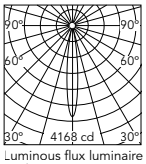
LED-Akzentbeleuchtungsmodul zum Einbau in das Micro Running Magnet-System. Integrierter elektronischer Leistungswandler DC/DC. Individuelle Steuerung der Leuchten mit Casambi via Flos Control App. Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

LED accent lighting module to be installed in the Micro Running Magnet system. Incorporated DC/DC electronic converter. Casambi via Flos Control App to individually control the lights. Accessories included (honeycomb and screening crosspiece).

Optic Spot
2700K

*Casambi integrated

03.2332.40
03.2332.14



Luminous flux luminaire
309 lm

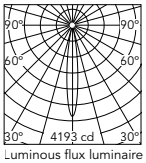
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

3000K

*Casambi integrated

03.2330.40
03.2330.14



Luminous flux luminaire
314 lm

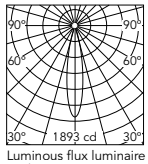
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

Optic Medium
2700K

*Casambi integrated

03.2333.40
03.2333.14



Luminous flux luminaire
284 lm

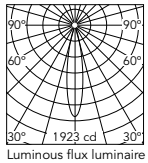
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

3000K

*Casambi integrated

03.2331.40
03.2331.14



Luminous flux luminaire
289 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1923	0.35
2	481	0.70
3	214	1.06
4	120	1.41
5	77	1.76

* Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

Zubehör / Accessories

Micro Spot

Honeycomb.

Honeycomb.

08.0190.14

Spot

Honeycomb.

Honeycomb.

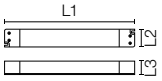
08.0191.14

Non Dimmable

Remote Installation

Fernspeisung.
No Dimable. 220/240V.

Remote power supply.
Non Dimmable. 220/240V.



120W - 220/240V
L1: 300 - L2: 40 - L3: 30
60.9516

120W - 220/240V
L1: 268 - L2: 45 - L3: 31
60.9777A

100W - 220/240V
L1: 295 - L2: 43 - L3: 30
60.9443

60W - 220/240V
L1: 180 - L2: 52 - L3: 30
60.9515

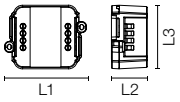
60W - 220/240V
L1: 225 - L2: 43 - L3: 30
60.9374

Dimmer

Remote Installation

Dimmbare Steuereinheit 12-24Vdc.
Benötigt Treiber, separat bestellen.
Dimmbereich 20-100 %.

Dimmable Control Unit 12-24Vdc.
Requires driver. It must be ordered separately.
Dimming range 20-100%.



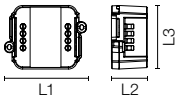
L1: 57 - L2: 19 - L3: 44

Max. 10A 0/1-10V · Push
60.9394

Remote Installation

LED-Modul Dali dimmbare Kontrolleinheit für 12-24-48Vdc Equipment. Stromversorgung nicht enthalten.
Dimmbereich 10-100 %.
120W@12Vdc / 240W@24Vdc / 480W@48Vdc /

Dimmable Control Unit 12-24-48Vdc. Requires driver. It must be ordered separately. Dimming range 10-100%. 'Power supply not included.
Dimming range 10-100%.
120W@12Vdc / 240W@24Vdc / 480W@48Vdc /



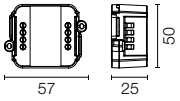
L1: 57 - L2: 25 - L3: 44,5

Max. 10A DALI · Push
60.9677A

Remote Installation

Dimmbare Steuereinheit 12-48V, 10A max. Benötigt Treiber, separat bestellen.

Dimmable Control Unit 12-48V, 10A max. Requires driver. It must be ordered separately.

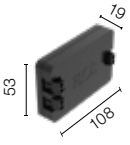


Max. 10A Casambi · Push
60.9938

Steuereinheit / Control Units

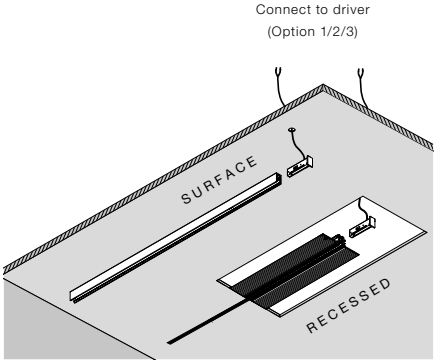
Drahtlose Dimmerbrücke.
Von 1-10V bis Casambi. Zur Remote-Installation. Siehe Produktspezifikationen im Flos Control-Handbuch. Akkreditiert als Aktuar als Lutron-Amerikaner bei Casambi.

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

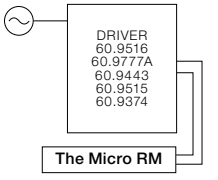


DIM 1-10V >> Casambi
08.0824.14

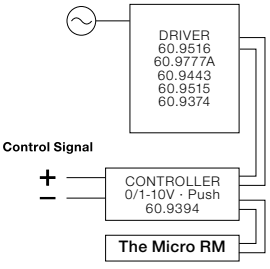
Remote Driver Installations



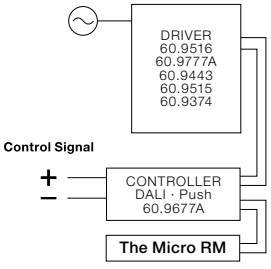
No DIM / Casambi individual



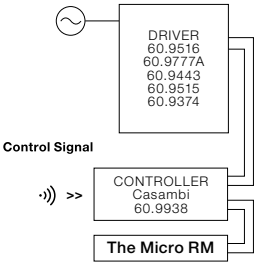
0/1-10V · Push broadcast



DALI · Push broadcast



Casambi broadcast



NEW

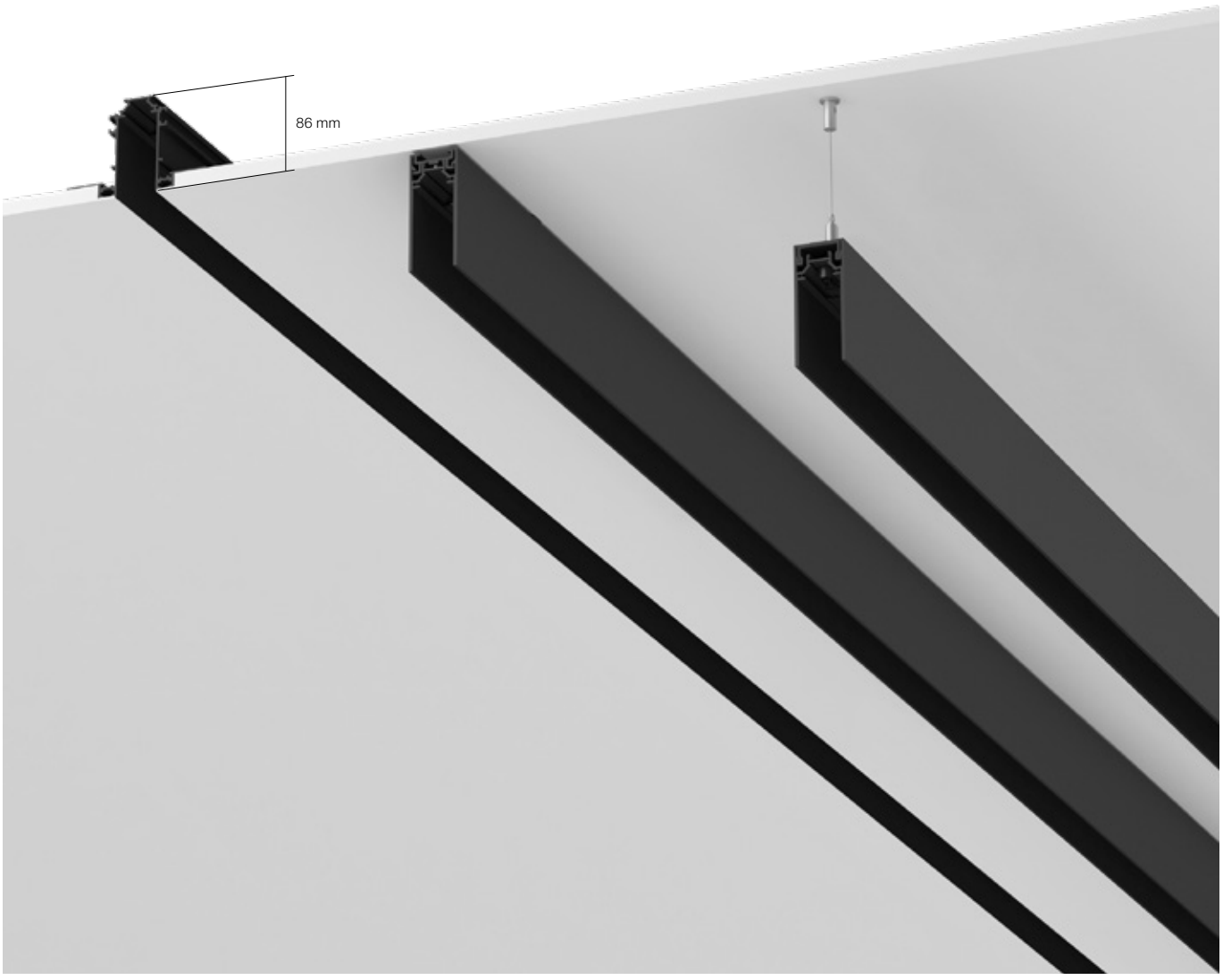
THE RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE

SUSPENSION
UP&DOWN / DOWN



Recessed Profiles ■ 14 Schwarz
14 Black

Surface/Suspension Profiles ■ 14 Schwarz
14 Black

□ 40 Weiss
40 White

Light Stripe

Spot

Surface

Suspension

Recessed
Flos Kit
Installation

Recessed
Conventional
Installation

NEW

Produktbeschreibung
Innovatives System für die Innenbeleuchtung zur Montage an der Wand, zum Einbauen oder als Hängeversion für Gipskartonwände oder -decken. Besteht aus diversen Magnetschienen, auf denen die LED-Lichtmodule befestigt werden.
Sämtliche Strukturprofile von Running Magnet wurden aus stranggepresstem Aluminium hergestellt, sind weiß oder schwarz lackiert und haben elektrische Grafitleisten für eine Spannungsversorgung mit 24V. Darauf werden die Beleuchtungs-LEDs magnetisch befestigt.
Die abgehängte Version ist auch für eine indirekte Beleuchtung erhältlich.
Die Familie The Running Magnet erstreckt sich zudem auf Umgebungs- und Akzentbeleuchtungsmodule mit verschiedenen Optiken sowie auf eine Auswahl an dekorativen Leuchten, die aus der FLOS Home Collection herausgenommen und angepasst wurden.
Die Beleuchtungsmodule verfügen über ein magnetisches Befestigungssystem für volle Mobilität und Flexibilität. Alle Lichtmodule verfügen über einen eingebauten Potentiometer und je nach Wunsch über DALI- oder Casambi-Lichtsteuerung.

Steuerung
- Für Die Steuerung mittels DALI-Protokoll muss der Datenbus direkt an das Profil angeschlossen werden.
- Für die Steuerung mittels Casambi (max. 200 Leuchten) müssen Casambi-Leuchten bestellt werden, diese sind mit allen für das System verfügbaren Profilen kompatibel.
Für Mobilgeräte ist die app FLOS Control® powered by Casambi erforderlich (erhältlich im Apple Store und auf Google Play).

Einspeisung
Fern-Netzteil 24V nicht enthalten.

Zubehör
- Verschiedene Linsen für Spot Module und Multi Spot 4.
- Externer Abschirmring für Spot Module.
- Elliptische Linse, Flood und Honeycomb für Anthony Spot Track.
- Honeycomb und Querabschirmung im Lieferumfang für Spot 120 enthalten.
- Die Light Shadow Spots können mit Honeycomb und Dichrofilter CCT ausgestattet werden (als Zubehör nicht im Lieferumfang enthalten).

Zusatzinformationen
Einbau der Unterputzausführung nur in 12,5mm dicke Gipskartonoberflächen möglich.
The Running Magnet 2.0 ist eine mit 24V gespeiste elektrische Anlage, deren Maximalstrom zur Vorbeugung gegen Überlast auf 8A und 185W beschränkt ist.
Nach jeweils 185 W muss über ein Einspeisungsprofil ein neuer Anschluss verlegt werden.
Bei der Up&Down-Ausführung haben die indirekte Beleuchtung und die elektromechanische Schiene separate Spannungsversorgungen.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Innovative lighting system for indoor use, for surface, suspended or recessed mounting on plasterboard walls or ceilings, comprising a series of magnetic tracks that house the LED lighting modules.
The profile of all The Running Magnet structural tracks is extruded aluminum, painted black or white, housing a graphite electric track fed at 24V, on which all magnetic luminaries are installed simply by insertion.
Suspended track is also available with the option of indirect lighting.
The Running Magnet family is completed with ambient lighting units and accent units with different optics, as well as a selection of decorative luminaires taken and adapted from FLOS Home Collection.
The lighting modules incorporate a magnetic mounting system for total mobility and flexibility. All light modules are available with on board potentiometer, DALI dimmable option and Casambi.

Control
- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- To manage using Casambi (Max. 200 luminaires) it is necessary to order fixtures in the Casambi version, these are compatible with all profiles available for the system.
The app FLOS Control® powered by Casambi for mobile devices is also necessary (available on Apple Store and Google Play).

Power Supply
Remote 24V power supply not included.

Accessories
- Different lenses for Spot Module and Multi Spot 4.
- Screening external ring for Spot Module.
- Elliptical, flood lens and honeycomb for Anthony Spot Track.
- Honeycomb and crosspiece included in Spot 120.
- Light Shadow Spots has honeycomb accessories and CCT dichroic filters but they are not included.

Additional Information
The Recessed version can only be installed on 12.5 mm thick plasterboard surfaces.
The Running Magnet 2.0 is a 24V electrical system limited to a maximum power current of 8A and 185W to avoid overloads.
After every 185W make a new connection with a feed unit profile.
In the Up&Down version indirect illumination and the electromechanical track are powered independently.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

THE RUNNING MAGNET

LIGHT MODULES

LIGHT STRIPE

LIGHT SOURCE
TOP LED
25W/m
2060 lm/m
2700K/CRI 90
2178 lm/m
3000K/CRI 90

STRING LIGHT

LIGHT SOURCE
POWER LED
14W
930 lm
2700K/CRI 90
930 lm
3000K/CRI 90

MINI GLO-BALL

LIGHT SOURCE
POWER LED
3,5/7W
2700K/CRI 80
3000K/CRI 80

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
10W
756 lm
2700K/CRI 90
799 lm
3000K/CRI 90

SPOT MODULE

LIGHT SOURCE
POWER LED
8W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

SPOT 120

LIGHT SOURCE
POWER LED
12,5W/14W DALI
1003 lm
2700K/CRI 90
1002 lm
3000K/CRI 90

ANTHONY SPOT TRACK

LIGHT SOURCE
POWER LED
14W
1045 lm
2700K/CRI 90
1308 lm
3000K/CRI 90

WORKMATES SMALL

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 10,5W
CRI 90
1382 lm / 3000K
1416 lm / 3500K
1440 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 10,5W
CRI 98
1013 lm / 3000K
1021 lm / 3500K
1032 lm / 4000K

WORKMATES LARGE

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 13,5W
CRI 90
1853 lm / 3000K
1886 lm / 3500K
1896 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 13,5W
CRI 98
1358 lm / 3000K
1368 lm / 3500K
1382 lm / 4000K

LIGHT SHADOW

LIGHT SOURCE
POWER LED
10,8W
4x270 lm
2700K/CRI 90
4x285 lm
3000K/CRI 90

LIGHT SHADOW WALL-WASHER

LIGHT SOURCE
POWER LED
10,8W
4x270 lm
2700K/CRI 90
4x285 lm
3000K/CRI 90

MULTI SPOT 4

LIGHT SOURCE
POWER LED
10W
840 lm
2700K/CRI 90
896 lm
3000K/CRI 90

FIND ME SUSPENSION

LIGHT SOURCE
POWER LED
8W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE

FLOS CONTROL®
by Casambi

NEW

Light Stripe, Spot Module, Multi Spot 4, String Lights, Mini Glo-Ball

14 Schwarz
14 Black

Light Shadow Spot

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Workmates

All White
All White

Weiss
White

Schwarz
Black

Anodized Silver
Anodized Silver

Light Shadow

HIGH COMFORT

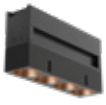
Weiss
White

Schwarz
Black

Kupfer
Copper

Stahl
Steel

Bronze
Bronze



HIGH COMFORT

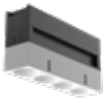
Weiss
White

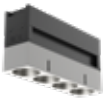
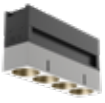
Schwarz
Black

Kupfer
Copper

Stahl
Steel

Bronze
Bronze



Spot 120

40 Weiss
40 White

14 Schwarz
14 Black

Light Shadow Wall-Washer

40 Weiss
40 White

14 Schwarz
14 Black

Anthony Spot Track

40 Weiss
40 White

14 Schwarz
14 Black

Find Me Suspension

40 Weiss
40 White

05 Polished Silver
05 Polished Silver

14 Schwarz
14 Black

Multifunction Smart Device

40 Weiss
40 White

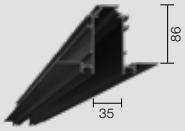
14 Schwarz
14 Black

NEW

HOW TO ORDER

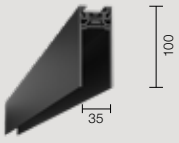
1 CHOOSE YOUR PROFILE AND LENGTH

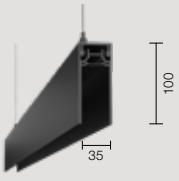
RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

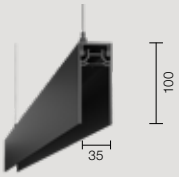
SURFACE / SUSPENSION DOWN PROFILE





L: 1 / 1,5 / 2 / 2,5 / 3 m

SUSPENSION UP&DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

End cap

Included with feed profile

90° Corner

Electrical / mechanical joint

Inner corner

Electrical / mechanical joint

Outer corner

Electrical / mechanical joint

Surface

Inner corner

Electrical / mechanical joint

Surface / Suspension Down

End cap

Included with feed profile

90° Corner

Electrical / mechanical joint

Suspension Down

Corner 90° Grid

T-Joint

X-Joint

Electrical / mechanical joint

End cap

Included with feed profile

90° Corner

Electrical / mechanical joint

Accessories

Fixed ceiling kit

or

Adjustable ceiling kit

Surface Accessories

Fixed ceiling kit
(Included)

Suspension Accessories

Suspension kit
(Included)

+

Surface rose
(not Included)

or

Recessed rose
(not Included)

Suspension Accessories

Suspension kit
(Included)

+

Surface rose
(not Included)

or

Recessed rose
(not Included)

NEW

3 SELECT POWER SUPPLY AND CONTROL OPTION

(select the driver with the appropriate power according to the needs of your project)

Remote power supply
Profiles: Recessed, Surface, Suspension Down

60W 120W 200W

Remote power supply
Profile: Suspension Up & Down

Down
Non Dimmable / Casambi / DALI

60W 120W 200W

Up

60W

120W

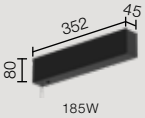
DALI

200W

Casambi

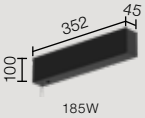
Surface power supply
Profile: Surface

Surface power supply
Profile: Suspension Down / Up & Down



185W

Non Dimmable / Casambi*
*(only light modules, up light no dim)



185W

DALI
(Up&Down Dimming synchronized)

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Non Dimmable / Dali / Casambi

Light Stripe

General lighting

Light Shadow Spot 30

S/M/F/WF

Light Shadow Spot 45

S/M/F

Spot Module

S

Spot 120

S

Anthony Spot Track

S/M

Multi Spot 4

S/M

Light Shadow

S/M/F/WF

Light Shadow W-W

Wall - Washer

Workmates Small

WF/O/HC

Workmates Large

WF/O/HC

String Light

Mini Glo-Ball

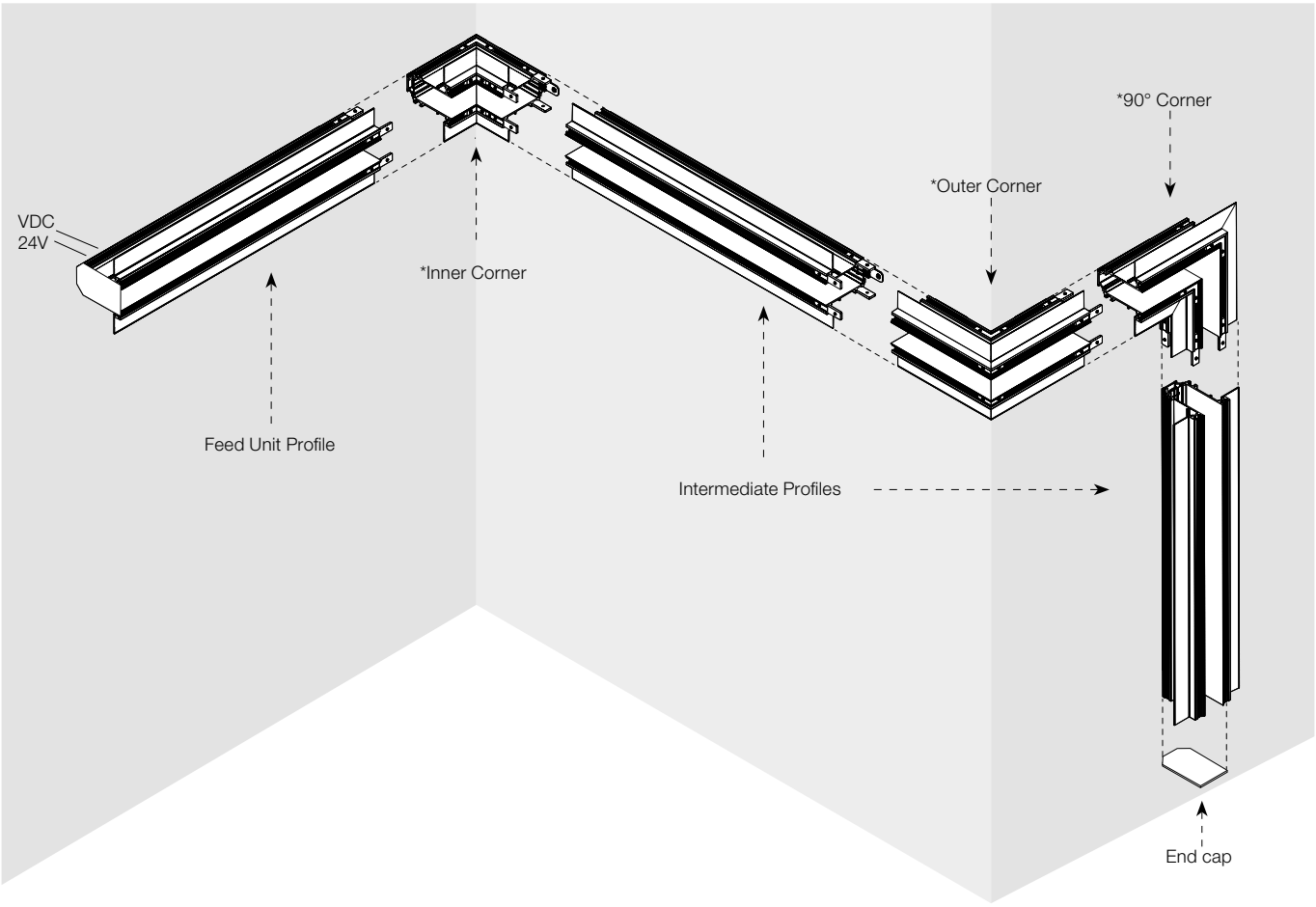
General lighting

Find Me Suspension

General lighting

Multifunction Smart Device
FLOS Control® by Casambi

RECESSED INSTALLATION



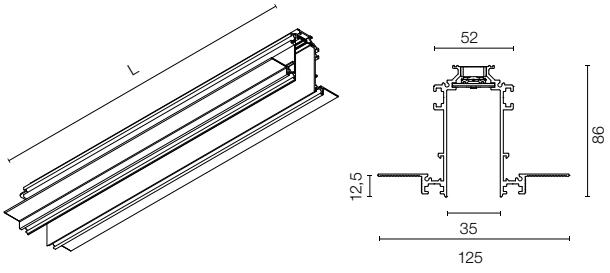
* Winkel für die Einspeisung zur Versorgung der Installation konzipiert / Corners can be powered.

Profile

Elektromechanisches Profil für Einbauinstallationen in Decken/Wänden aus Gipskarton.
Lineare Profile in zwei Versionen erhältlich: Einspeisungsprofile zum Anschließen an einen Treiber und Zwischenprofile. Beide Versionen haben eine Länge zwischen 1 m und 3 m. Abdeckungen sind bei den Einspeisungsprofilen enthalten.
90°-Ecken auf derselben Ebene verfügbar (symmetrisches Element für die linke und rechte Ecke), symmetrische 90°-Innen- und Außenecken auf verschiedenen Ebenen. Für den Anschluss an einen Treiber ausgestattet.
Befestigungssets, fest oder verstellbar, verfügbar (optional). Die Befestigungssets für die Decke ermöglichen die Installation ohne Befestigungsprofile aus Aluminium. Empfohlen für Installationen, bei denen das Profil Running Magnet vor der Zwischendecke aus Gipskarton installiert werden kann.

Profiles

Electromechanical profile for recessed installation in plasterboard ceilings and walls.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m. Covers included with the power feed profiles.
90° corners available in the same plane (symmetrical element for left and right corners), symmetrical 90° inner and outer corners in different planes.
For connection to the driver.
Permanent or adjustable fastening kits available (optional). The fastening kits for the roof permit installing without using aluminimum fastening profiles.
Recommended for installations where the Running Magnet can be installed before the suspended plasterboard ceiling.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles

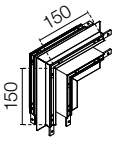
L: 1000 mm
06.1638.14
L: 1500 mm
06.1639.14
L: 2000 mm
06.1640.14
L: 2500 mm
06.1641.14
L: 3000 mm
06.1642.14

Intermediate Profiles

L: 1000 mm
06.1643.14
L: 1500 mm
06.1644.14
L: 2000 mm
06.1645.14
L: 2500 mm
06.1646.14
L: 3000 mm
06.1647.14

90° Winkel.
Kann mit Strom versorgt werden.

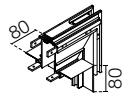
90° Corner.
Can be powered.



06.1648.14

Innenwinkel.
Kann mit Strom versorgt werden.

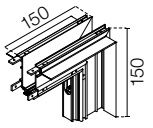
Inner corner.
Can be powered.



06.1650.14

Außenwinkel.
Kann mit Strom versorgt werden.

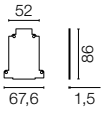
Outer corner.
Can be powered.



06.1651.14

Die Einspeisungsprofile werden stets mit Abdeckung geliefert. Abdeckungen müssen nur dann separat bestellt werden, wenn die Installation ausschließlich aus Zwischenprofilen besteht und über die Winkel versorgt wird.

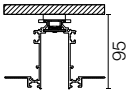
End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.



08.8865.14A

Befestigungssatz feste decke (fakultativ). Set mit 2 stück.

Fixed ceiling kit (optional).
2 unit kit.

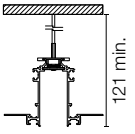


08.8866.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Befestigungssatz an absenkbare decke (fakultativ). Set mit 2 stück.

Adjustable ceiling kit (optional).
2 unit kit.



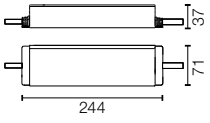
08.8867.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Treiber / Drivers

LED-Netzteil für den Ferneinbau im Verteiler 24V/200W. Um Überlastproblemen vorzubeugen, empfiehlt sich der Einbau eines Netzteils für jeweils 185W. 100/240V.

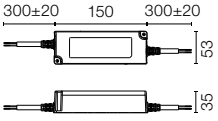
LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.



60.9352

Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.

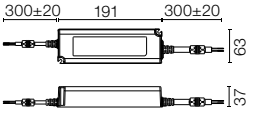
Electronic transformer with constant voltage (24V) for LED. 100/240V.



60W
60.9089

Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.

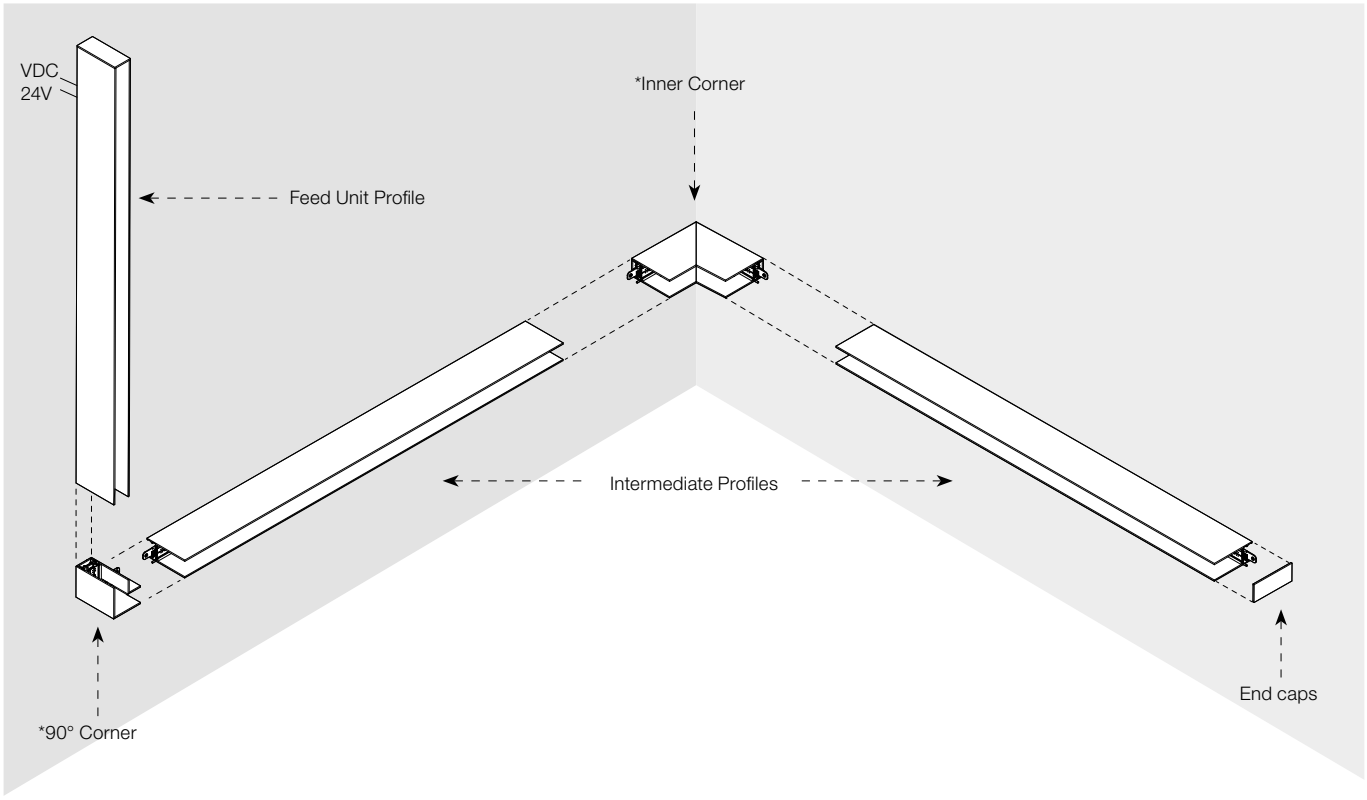
Electronic transformer with constant voltage (24V) for LED. 100/240V.



120W
60.9407

Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

SURFACE INSTALLATION



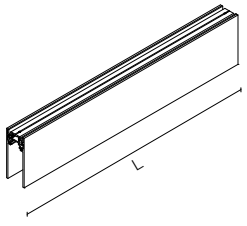
* Winkel für die Einspeisung zur Versorgung der Installation konzipiert / Corners can be powered.

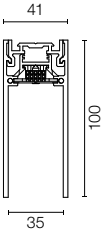
Profile

Elektromechanisches Profil für Aufputzinstallationen.
Lineare Profile in zwei Versionen erhältlich: Einspeisungsprofil zum Anschließen an einen Treiber und Zwischenprofile. Beide Versionen haben eine Länge zwischen 1 m und 3 m.
Abdeckungen sind bei den Einspeisungsprofilen enthalten.
Befestigungszubehör bei allen Produkten enthalten.
90°-Ecken auf derselben Ebene (symmetrisches Element für die linke und rechte Ecke) und symmetrische 90°-Innenecken auf verschiedenen Ebenen verfügbar, in den Versionen Surface und Down. Für den Anschluss an einen Treiber ausgestattet.
Die Innenseite des Profils wird immer in Schwarz geliefert.

Profiles

Electromechanical profile for surface-mounting.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
Covers included with the power feed profiles. Attachment accessories included with all products.
90° corners available in the same plane (symmetrical element for left and right corner) and 90° symmetrical internal corners in a different plane, for the Surface and Down versions. For connection to the driver.
The inner part of the profile is always supplied in black.





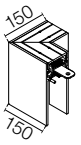
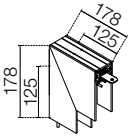
L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles

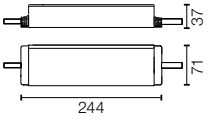
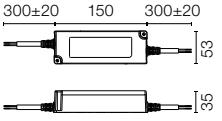
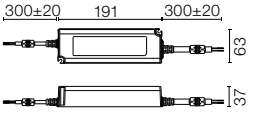
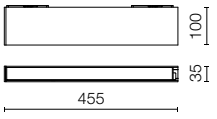
L: 1000 mm
06.1600.40
06.1600.14
L: 1500 mm
06.1601.40
06.1601.14
L: 2000 mm
06.1602.40
06.1602.14
L: 2500 mm
06.1603.40
06.1603.14
L: 3000 mm
06.1604.40
06.1604.14

Intermediate Profiles

L: 1000 mm
06.1605.40
06.1605.14
L: 1500 mm
06.1606.40
06.1606.14
L: 2000 mm
06.1607.40
06.1607.14
L: 2500 mm
06.1608.40
06.1608.14
L: 3000 mm
06.1609.40
06.1609.14

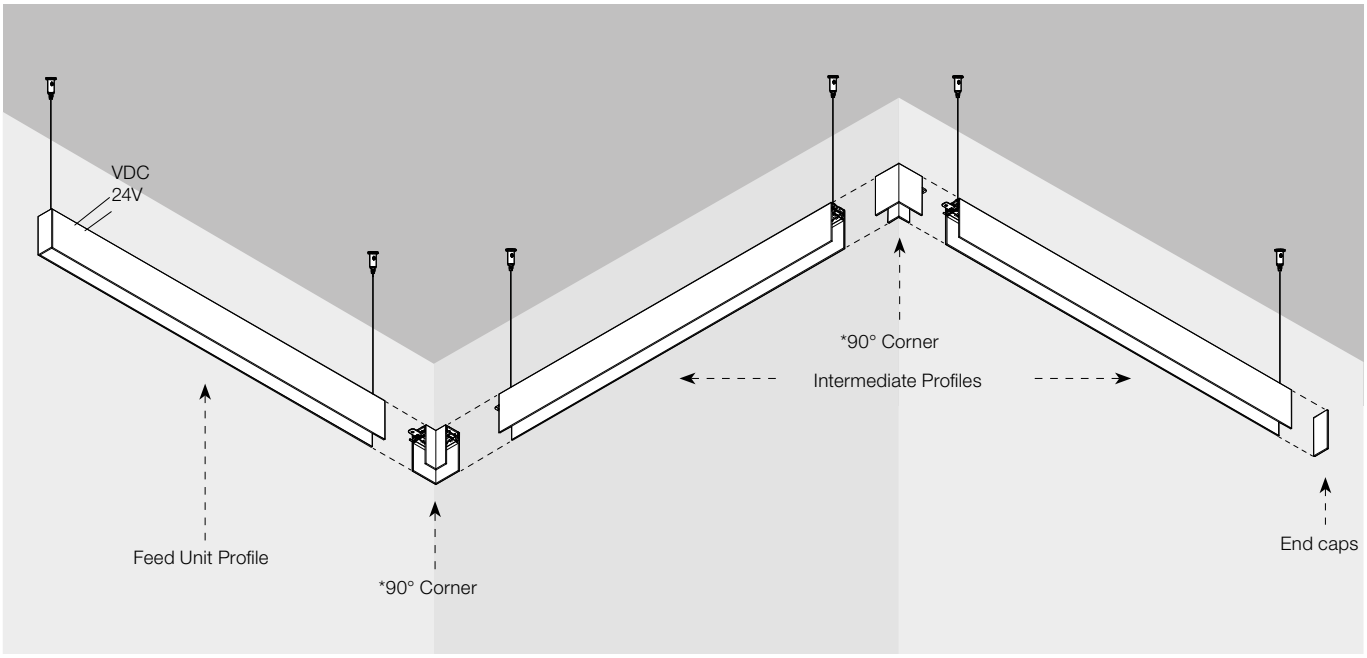
90° Winkel. Kann mit Strom versorgt werden.	90° Corner. Can be powered.			06.1610.40 06.1610.14
Innenwinkel. Kann mit Strom versorgt werden.	Inner corner. Can be powered.			06.1612.40 06.1612.14
Die Einspeisungsprofile werden stets mit Abdeckung geliefert. Abdeckungen müssen nur dann separat bestellt werden, wenn die Installation ausschließlich aus Zwischenprofilen besteht und über die Winkel versorgt wird.	End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.			08.8887.40A 08.8887.14A

Treiber / Drivers

LED-Netzteil für den Ferneinbau im Verteiler 24V/200W. Um Überlastproblemen vorzubeugen, empfiehlt sich der Einbau eines Netzteils für jeweils 185W. 100/240V.	LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.			60.9352
Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.	Electronic transformer with constant voltage (24V) for LED. 100/240V.			60W 60.9089
Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.	Electronic transformer with constant voltage (24V) for LED. 100/240V.			120W 60.9407
Oberflächenprofil mit Stromversorgung. 24V/250W. 220-240 Vac.	Power Supply Surface Profile. 24V/250W. 220-240 Vac.			06.1150.40 06.1150.14

Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

SUSPENSION DOWN INSTALLATION



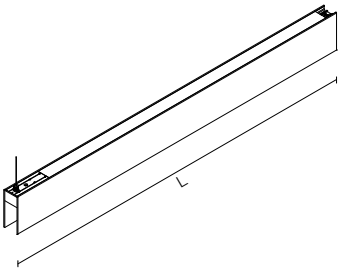
* Winkel für die Einspeisung zur Versorgung der Installation konzipiert / Corners can be powered.

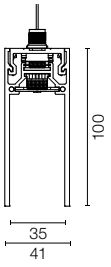
Profile

Elektromechanisches Profil für hängende Installationen.
Lineare Profile in zwei Versionen erhältlich: Einspeisungsprofile zum Anschließen an einen Treiber und Zwischenprofile. Beide Versionen haben eine Länge zwischen 1 m und 3 m.
Abdeckungen sind bei den Einspeisungsprofilen enthalten.
Zubehör zum Anschließen (Netzkabel 4,2 m) und Aufhängen (Stahlkabel 4 m) an der Decke bei allen linearen Einspeisungs- oder Zwischenelementen enthalten.
90°-Ecken auf derselben Ebene verfügbar (symmetrisches Element für die linke und rechte Ecke), in den Versionen Surface und Down.
Für den Anschluss an einen Treiber ausgestattet.
Die Innenseite des Profils wird immer in Schwarz geliefert.

Profiles

Electromechanical profile for suspended installations.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
Covers included with the power feed profiles.
Ceiling connection (4.2 m feed cable) and suspension (4 m steel cable) accessories included in all linear feed or intermediate products. 90° corners in the same plane (symmetrical element for right and left corners) for the Surface and Down versions. Provided for connection to the driver.
The inner part of the profile is always supplied in black.





L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles

L: 1000 mm
06.1626.40
06.1626.14
L: 1500 mm
06.1627.40
06.1627.14
L: 2000 mm
06.1628.40
06.1628.14
L: 2500 mm
06.1629.40
06.1629.14
L: 3000 mm
06.1630.40
06.1630.14

Intermediate Profiles

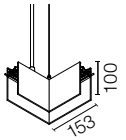
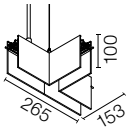
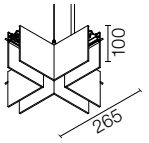
L: 1000 mm
06.1631.40
06.1631.14
L: 1500 mm
06.1632.40
06.1632.14
L: 2000 mm
06.1633.40
06.1633.14
L: 2500 mm
06.1634.40
06.1634.14
L: 3000 mm
06.1635.40
06.1635.14

Remote-Treiber / Remote Drivers

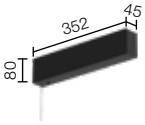
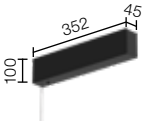
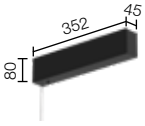
Geteiltes Datenblatt mit der Hängeversion Up&Down. Siehe nächste Seite.
References shared with Up&Down suspension version. Please see next page.

90° Winkel. Nicht bespeist. Beinhaltet 1 Auffhängungsset mit Kabel. Bespeist. Beinhaltet 2 Auffhängungssets mit Kabel.	90° Corner. Cannot be powered. Includes 1 cable suspension kit. Can be powered. Includes 2 cable suspension kits.			Cannot be powered 06.1657.40 06.1657.14 Can be powered 06.1656.40 06.1656.14
Die Einspeisungsprofile werden stets mit Abdeckung geliefert. Abdeckungen müssen nur dann separat bestellt werden, wenn die Installation ausschließlich aus Zwischenprofilen besteht und über die Winkel versorgt wird.	End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.			08.8887.40A 08.8887.14A

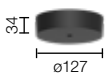
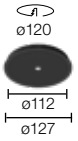
Für geschlossene Strukturen (Quadrate oder Rechtecke) / Down grid structures (square or rectangle shapes)

90°-Ecke für Gitterstrukturen. Ecke für den Bau von perfekt geschlossenen Gitterstrukturen. Stromversorgungsfähig. Maße 153 x 153.	Corner 90° Grid. Corner to build grig structures perfectly closed. Feed unit. Dimensions 153x153.			06.1740.14
T-Verbindung für Gitterstrukturen. T-Stück für den Bau von perfekt geschlossenen Gitterstrukturen. Stromversorgungsfähig. Maße 265 x 153.	T-Joint Grid Down. T piece to build grid structures perfectly closed. Feed unit. Dimensions 265x153.			06.1741.14
X-Verbindung für Gitterstrukturen. X-Stück für den Bau von perfekt geschlossenen Gitterstrukturen. Stromversorgungsfähig. Maße 265 x 265.	X-Joint Grid Down. Cross piece to build grid structures perfectly closed. Feed unit. Dimensions 265x265.			06.1742.14

Suspension Down / Suspension Up&Down
Surface-Treiber / Surface Drivers

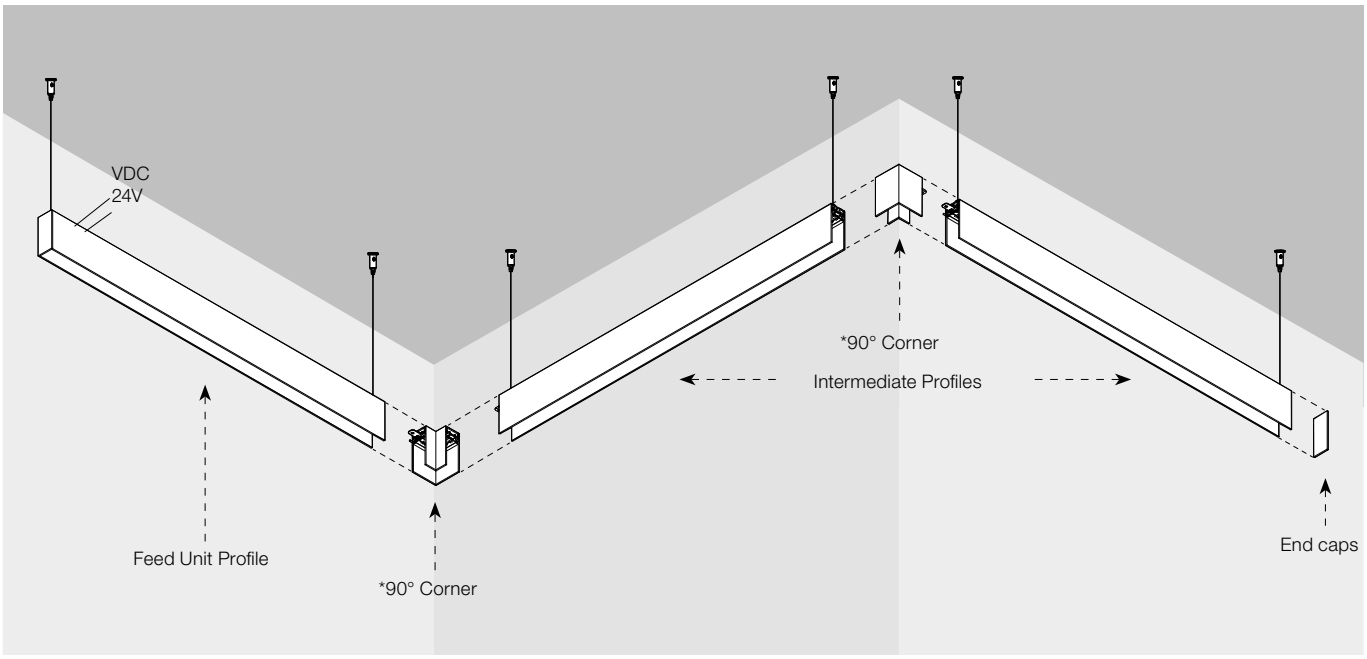
Nichtverdeckte Leistungsbox für direktes sowie direktes und indirektes Licht mit Spannungszufuhr für Driver. 24V/185W - 110/240V -Gerät im Lieferumfang enthalten. Kabel nicht enthalten.	Surface power supply for direct and indirect lighting with housing for the driver. 24V/185W - 110/240V equipment included. Cables not included.		Non Dimmable 08.8886.40 08.8886.14
Regler DALI und 24V/185W- 110/240V -Gerät zur Einspeisung und Regelung von direkter oder indirekter Beleuchtung im Lieferumfang enthalten. Kabel nicht enthalten.	DALI controller and 24V/185W - 110/240V equipment to supply and control both the direct and indirect lighting, included. Cables not included.		Dali 08.8886.40.DA 08.8886.14.DA
Regler Casambi und 24V/185W- 110/240V -Gerät zur Einspeisung und Regelung von direkter oder indirekter Beleuchtung im Lieferumfang enthalten. Kabel nicht enthalten.	Casambi controller and 24V/185W - 110/240V equipment to supply and control both the direct and indirect lighting, included. Cables not included.		Casambi 08.8886.40.CB 08.8886.14.CB

Suspension Down / Suspension Up&Down
Zubehör Remote-Treiber / Remote Drivers Accessories

Einspeisungsrosette zur Oberflächenmontage. Ausrüstung, Netzkabel und Aufhängekabel nicht enthalten, bitte separat bestellen.	Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.		08.8883.40A 08.8883.14A
Einspeisungsrosette für den versenkten Einbau. Driver nicht im Lieferumfang enthalten, separat bestellen.	Recessed power supply rose. Equipment not included. To be ordered separately.		08.8889.40 08.8889.14

Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

SUSPENSION UP&DOWN INSTALLATION



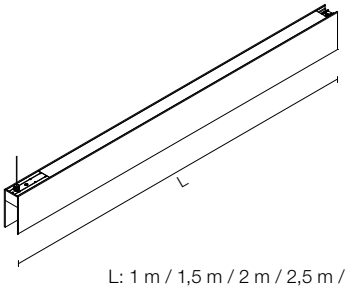
* Winkel für die Einspeisung zur Versorgung der Installation konzipiert / Corners can be powered.

Profiles

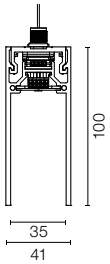
Elektromechanisches Profil für hängende Installationen.
Die linearen Elemente in der Version Up&Down enthalten eine indirekte LED-Beleuchtung im oberen Bereich des Profils. Die Spannungsversorgung kann über den allgemeinen oder einen separaten Anschluss erfolgen.
Lineare Profile in zwei Versionen erhältlich: Einspeisungsprofile zum Anschließen an einen Treiber und Zwischenprofile. Beide Versionen haben eine Länge zwischen 1 m und 3 m.
Abdeckungen sind bei den Einspeisungsprofilen enthalten. Zubehör zum Anschließen (Netzkabel 4,2 m) und Aufhängen (Stahlkabel 4 m) an der Decke bei allen linearen Einspeisungs- oder Zwischenelementenenthalten.
90°-Ecken auf derselben Ebene verfügbar (symmetrisches Element für die linke und rechte Ecke). Nicht für den Anschluss an einen Treiber ausgestattet.
Die Ecken bei der Hängeausführung des Running Magnet haben keine indirekte Beleuchtung. Die indirekte Beleuchtung kann als separater Stromkreis gesteuert werden, wenn sie von einem speziellen Gerät gespeist wird. Bei einer DALI-Installation muss ein optionales DALI-Steuergerät separat bestellt werden.
Die Profile können nicht gekürzt werden.
Die Innenseite des Profils wird immer in Schwarz geliefert.

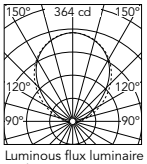
Profiles

Electromechanical profile for suspended installations.
Linear elements in the Up&Down version include indirect LED illumination in the upper part of the profile. Shared or separate power feed.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
Covers included with the power feed profiles. Ceiling connection (4.2 m feed cable) and suspension (4m steel cable) accessories included in all linear feed or intermediate products.
90° corners in the same plane (symmetrical element for right and left corners). Not provided for connection to the driver.
The corners of the Suspended Running Magnet versions are not fitted with indirect illumination. Indirect illumination can be managed as a separate circuit if powered by a dedicated driver and, in the case of the DALI installation,if equipped with a dedicated optional DALI controller. To be ordered separately.
Profiles cannot be cut.
The inner part of the profile is always supplied in black.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m





Luminous flux luminaire
844 lm *L: 1000 mm

Beam Angle:	91°
h(m)	E(lx) D(m)
1	364 2.05
2	91 4.10
3	40 6.15
4	23 8.20
5	15 10.25

Top LED 8,4W/m Up - 950 lm/m Up - 3000K/CRI 90

Feed Unit Profiles

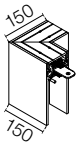
L: 1000 mm
06.1614.40A
06.1614.14A
L: 1500 mm
06.1615.40A
06.1615.14A
L: 2000 mm
06.1616.40A
06.1616.14A
L: 2500 mm
06.1617.40A
06.1617.14A
L: 3000 mm
06.1618.40A
06.1618.14A

Intermediate Profiles

L: 1000 mm
06.1619.40A
06.1619.14A
L: 1500 mm
06.1620.40A
06.1620.14A
L: 2000 mm
06.1621.40A
06.1621.14A
L: 2500 mm
06.1622.40A
06.1622.14A
L: 3000 mm
06.1623.40A
06.1623.14A

90° Winkel.
Nicht bespeist. Beinhaltet 1 Auffhängungsset mit Kabel.

90° Corner.
Cannot be powered. Includes 1 cable suspension kit.



□ 06.1624.40
■ 06.1624.14

Die Einspeisungsprofile werden stets mit Abdeckung geliefert. Abdeckungen müssen nur dann separat bestellt werden, wenn die Installation ausschließlich aus Zwischenprofilen besteht und über die Winkel versorgt wird.

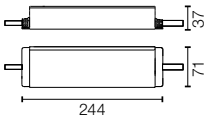
End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.

□ 08.8887.40A
■ 08.8887.14A

Suspension Down / Suspension Up&Down
Remote-Treiber / Remote Drivers

LED-Netzteil für den Ferneinbau im Verteiler 24V/200W. Um Überlastproblemen vorzubeugen, empfiehlt sich der Einbau eines Netzteils für jeweils 185W. 100/240V.

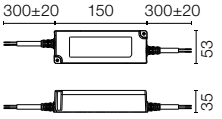
LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.



60.9352

Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.

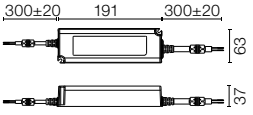
Electronic transformer with constant voltage (24V) for LED. 100/240V.



60W
60.9089
Up lighting max. 6m

Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.

Electronic transformer with constant voltage (24V) for LED. 100/240V.

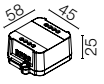


120W
60.9407
Up lighting max. 8m

Suspension Up&Down
Fernbedienungseinheit mit Dimmfunktion / Remote Dimmable Control Unit

Steuereinheit für Dali-Dimmung; für 12-24-48V-LED-Module; Netzgerät nicht inbegriffen. Für indirekte Lichtsteuerung (UP).

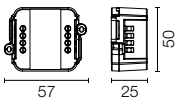
Dimmable Dali control unit for 12-24-48V LED modules. Power supply not included. For controlling indirect lighting (UP).



Dali · Push
Max. 10A
60.9678A

Dimmbare Steuereinheit 12-48V, 10A max. Benötigt Treiber, separat bestellen.

Dimmable Control Unit 12-48V, 10A max. Requires driver. It must be ordered separately.



Casambi · Push
Max. 10A
60.9938

Surface-Treiber & Zubehör Remote-Treiber / Surface Drivers & Remote Drivers Accessories

Geteiltes Datenblatt mit der Hängeversion Down. Siehe vorherige Seite.
References shared with Down suspension version. Please see previous page.

Surface Driver

Surface Rose

Recessed Rose

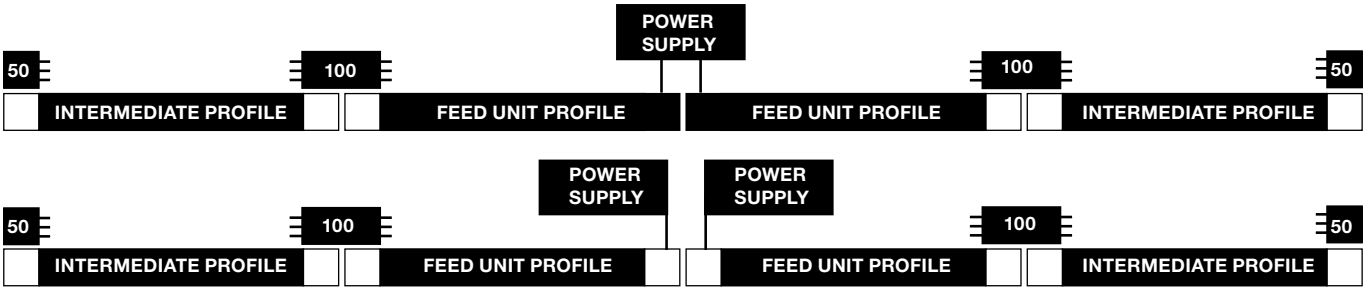
Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

• Kann die Einspeisung in eine Struktur direkt in einem Winkel ohne Einspeisungsprofil erfolgen?
Ja, die Winkel sind dafür konzipiert, Strukturen in beide Richtungen und ohne Einsatz eines Einspeisungsprofils zu versorgen. Sie müssen nur daran denken, die Abdeckungen der Profile separat zu bestellen, weil diese nicht im Lieferumfang für Winkel und Zwischenprofile enthalten sind.
In den Winkeln des Modells Up&Down kann keine Einspeisung erfolgen.

• Can I feed a structure directly from a corner without using a feed unit profile?
Yes, corners are prepared to feed a structure in both directions without the need for a feed unit profile. Simply remember that you'll have to order the End cap profiles separately because they are not included in corners and intermediate profiles.
Take note that corners in Up&Down versions cannot be fed.

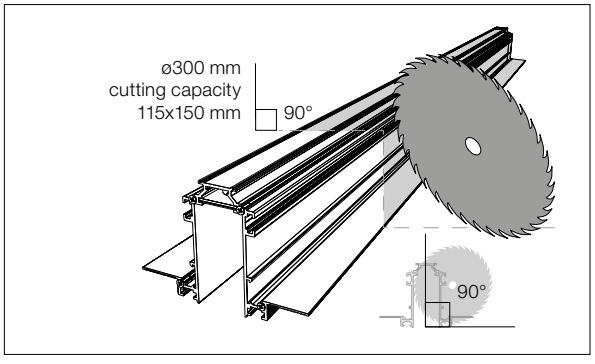
• Kann ein Einspeisungsprofil verwendet werden, um eine auf Putz montierte Struktur von der Mitte her zu versorgen?
Ja, um eine auf Putz montierte Struktur von der Mitte her (in beide Richtungen) zu versorgen, benötigen Sie zwei Einspeisungsprofile mit zwei Netzteilen, d. h. eins für jedes Einspeisungsprofil. Alternativ können Sie unter Berücksichtigung der elektrischen Grenzwerte ein einziges Netzteil für beide Einspeisungsprofile verwenden. Die mechanische Verbindung zwischen den beiden Profilen kann problemlos durchgeführt werden.

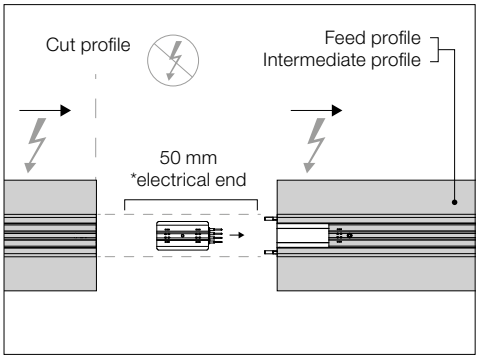
• Can I use a feed unit profile to feed a surface structure from the center?
Yes, to feed a surface structure from the center (in both directions), you'll need to use two feed unit profiles with two power supplies connected, one to each feed unit profile, or connect the same power supply to both feed unit profiles, respecting any potential electrical limitations. The mechanical connection can be made between profiles without any problem.



• Können die Profile zugeschnitten werden?
Ja, die Profile können auf die gewünschte Länge zugeschnitten werden (mit Ausnahme des Modells Up&Down). Beachten Sie dabei, dass beim Zerteilen des Profils die Stromkontinuität unterbrochen wird. Wenn das gekürzte Profil nicht das Endstück der Struktur ist und die Stromkontinuität erhalten bleiben soll, muss das nächste Teilprofil erneut über einen Winkel oder ein Einspeisungsprofil versorgt werden.
Wenn die Schnittseite am Ende ist, muss die metallene Abdeckung (end cap) elektrisch isoliert werden.

• Can I cut a profile?
Yes, profiles can be cut to the desired length (except Up&Down version). Once a profile is cut, the electrical continuity is lost. If the cut element is not the one that closes the structure (in that case you don't need electrical continuity) the next section must to be fed with a corner or a feed unit profile.
If the cut side is at the end, the metallic end cap must be electrically insulated.

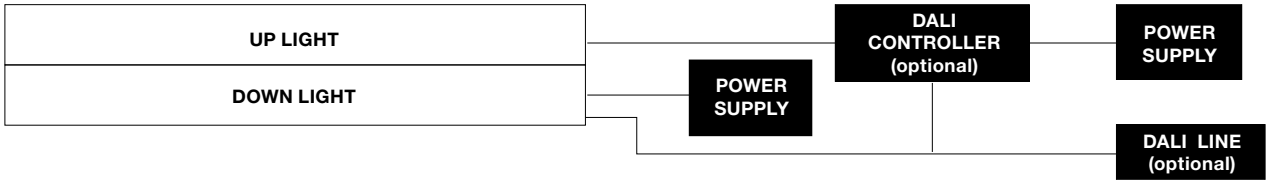




*Im Lieferumfang für Einspeisungsprofile bzw. Endkappen inbegriffen / Included with feed profiles or end caps.

• Können die direkten und indirekten Lichtquellen im Modell Up&Down unabhängig voneinander angesteuert werden?
Ja, um die Lichtquellen für direkte und indirekte Beleuchtung unabhängig voneinander anzusteuern, müssen Sie lediglich ein Netzteil für die direkten als auch für die indirekten Lichtquellen installieren.
Wenn Sie ein DALI Dimmersystem verwenden möchten, müssen Sie das Netzteil der indirekten Lichtquellen mit der Steuereinheit für Dali-Dimmung (60.9678A) verbinden.

• Can I independently control the Up Light and the Down Light in the Up&Down version?
Yes, to control the Up Light and Down Light independently you just have to connect one power supply to the down electrical connector and another one to the up electrical connector. This allows you to manage the different light sources independently.
If you want to use a DALI Dimmable system for the Up Light and the Down Light, then the power supply connected to Up Light must be connected to a Dali controller (60.9678A).



• Können die Lichtquellen in einer mit DALI-Steuerung installierten Struktur unabhängig voneinander angesteuert werden?
Ja, das DALI-System erkennt jede einzelne Leuchte, die installiert wird und ermöglicht deren unabhängige Ansteuerung.

• Can I independently control the luminaires installed in the structure with a DALI controller?
Yes, the DALI system will identify each luminaire installed in the profile with a unique address, and will allow you to independently manage each one.

• Wird die Steuereinheit für Dali-Dimmung 60.9678A für die DALI-Struktur benötigt?
Die Lichtquellen sind bereits mit der DALI-Elektronik ausgerüstet, deshalb ist die DALI-Steuereinheit nicht erforderlich.
Die Steuereinheit für Dali-Dimmung 60.9678A benötigen Sie nur, wenn Sie die indirekte Beleuchtung des Modells Up&Down mit einem DALI-System ansteuern möchten.

• Do I need the Dimmable Dali controller 60.9678A to make the DALI structure?
The luminaries to be installed in the track are already equipped with Dali electronic, so a Dali controller is not required for these.
The 60.9678A DALI Controller is only required to make the Up indirect Light controllable with a DALI system in the Up&Down version.

• Wie hoch ist die maximal zulässige Entfernung zwischen Netzteil und Profil?
Die maximal zulässige Entfernung zum Netzgerät mit 200W (60.9352) aus unserem Katalog beträgt:
. Kabel Ø 1,5 mm^2 cable: 2,5 m
. Kabel Ø 2,5 mm: 4 m

• What is the maximum distance allowed between the driver and the profile?
With the 200W power supply (60.9352) in our catalogue, the maximum distance allowed is:
. Ø 1.5 mm^2 cable: 2,5 m
. Ø 2.5 mm^2 cable: 4 m

• Wie lang darf eine Struktur höchstens sein, damit ein Netzteil sie versorgen kann?
Die maximale Profillänge, die mit einem Netzteil versorgt werden kann, beträgt 8 m.

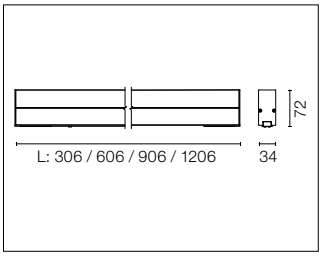
• What is the maximum length that can be fed with one power supply?
The maximum profile length that can be fed with a power supply is 8 m.

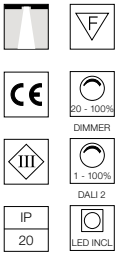
• Ist es möglich, ein weniger leistungsstarkes Netzteil zu verwenden?
Alle Informationen auf unserer Website, in unserem Katalog und den Installationsanleitungen basieren auf Tests mit unserem Netzgerät 200W (60.9352), das für unsere Produkte empfohlen wird.
Unter Berücksichtigung der elektrischen Grenzwerte können Sie allerdings auch ein anderes Netzteil für die Versorgung der Profile verwenden.
Dabei muss es sich um ein Netzteil mit 24 V und einer Stromstärke von höchstens 8 A handeln.

• Can I use a different, less powerful power supply?
All the information published on our website, and in our catalogue and installation instructions sheets is adjusted to the tests we perform with our 200W power supply (60.9352), which we recommend for our products.
However, a different power supply can be used to feed the profiles but the electrical limitations that it will have to accomplish should be taken into account.
It should be a 24V power supply with a maximum electric current of 8A.

Light Stripe

Top LED 25W/m - 2060 lm/m - 2700K/CRI 90 / 25W/m - 2178 lm/m - 3000K/CRI 90

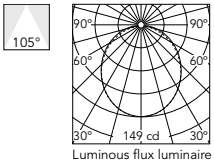




LED-Modul für diffuses Licht zur Installation in das System The Running Magnet. Inklusive Opalglasabdeckungen für kontinuierliche Lichtstreifen. Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Diffused LED light module to be installed in The Running Magnet System. Opaline end caps to create continuous lines of light included. For wireless lighting control, choose integrated Casambi versions.

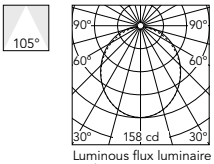
2700K
L: 300 mm - 7,5W - 618lm
On board dimmer
03.7000.14
Dali 2
03.7000.14ADA
**Casambi Integrated
03.7000.14.CB



Luminous flux luminaire
416 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	149	2.76
2	37	5.52
3	17	8.28
4	9	11.04
5	6	13.81

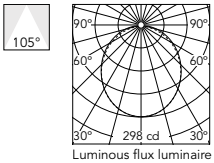
3000K
L: 300 mm - 7,5W - 653lm
On board dimmer
03.7001.14
Dali 2
03.7001.14ADA
**Casambi Integrated
03.7001.14.CB



Luminous flux luminaire
440 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	158	2.76
2	39	5.52
3	18	8.28
4	10	11.04
5	6	13.81

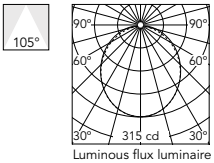
2700K
L: 600 mm - 15W - 1237lm
On board dimmer
03.7002.14
Dali 2
03.7002.14ADA
**Casambi Integrated
03.7002.14.CB



Luminous flux luminaire
833 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	298	2.76
2	75	5.52
3	33	8.28
4	19	11.04
5	12	13.81

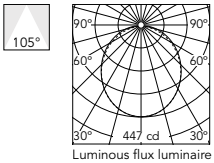
3000K
L: 600 mm - 15W - 1307lm
On board dimmer
03.7003.14
Dali 2
03.7003.14ADA
**Casambi Integrated
03.7003.14.CB



Luminous flux luminaire
880 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	315	2.76
2	79	5.52
3	35	8.28
4	20	11.04
5	13	13.81

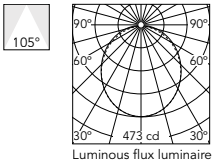
2700K
On board dimmer
L: 900 mm - 22,5W - 1855lm
03.7004.14
Dali 2
03.7004.14ADA
**Casambi Integrated
03.7004.14.CB



Luminous flux luminaire
1249 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	447	2.76
2	112	5.52
3	50	8.28
4	28	11.04
5	18	13.81

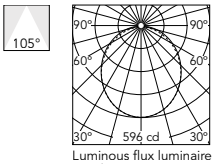
3000K
On board dimmer
L: 900 mm - 22,5W - 1960lm
03.7005.14
Dali 2
03.7005.14ADA
**Casambi Integrated
03.7005.14.CB



Luminous flux luminaire
1320 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	473	2.76
2	118	5.52
3	53	8.28
4	30	11.04
5	19	13.81

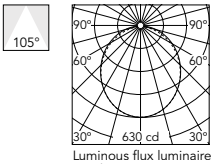
2700K
On board dimmer
L: 1200 mm - 30W - 2473lm
03.7006.14
Dali 2
03.7006.14ADA
**Casambi Integrated
03.7006.14.CB



Luminous flux luminaire
1665 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	596	2.76
2	149	5.52
3	66	8.28
4	37	11.04
5	24	13.81

3000K
On board dimmer
L: 1200 mm - 30W - 2614lm
03.7007.14
Dali 2
03.7007.14ADA
**Casambi Integrated
03.7007.14.CB



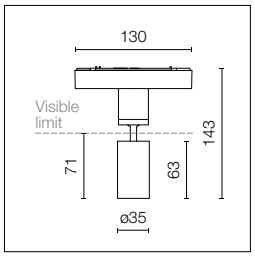
Luminous flux luminaire
1760 lm

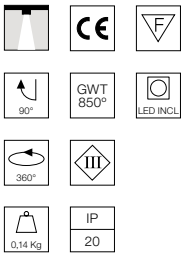
Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	630	2.76
2	158	5.52
3	70	8.28
4	39	11.04
5	25	13.81

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Light Shadow Spot 30

Power LED 4W - 257 lm - 2700K/CRI 90 / 4W - 263 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System The Running Magnet.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in The Running Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

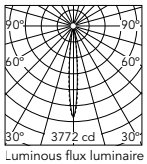
Optic Spot - 2700K

On board dimmer
- 05.9100.40
- 05.9100.14
- 05.9100.ER
- 05.9100.ES
- 05.9100.EQ

Dali 2
- 05.9100.40.DA
- 05.9100.14.DA
- 05.9100.ER.DA
- 05.9100.ES.DA
- 05.9100.EQ.DA

1-10V
- 05.9100.40.1V
- 05.9100.14.1V
- 05.9100.ER.1V
- 05.9100.ES.1V
- 05.9100.EQ.1V

Casambi integrated
- 05.9100.40.CB
- 05.9100.14.CB
- 05.9100.ER.CB
- 05.9100.ES.CB
- 05.9100.EQ.CB



Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

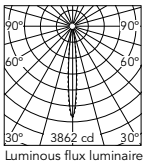
Optic Spot - 3000K

On board dimmer
- 05.9105.40
- 05.9105.14
- 05.9105.ER
- 05.9105.ES
- 05.9105.EQ

Dali 2
- 05.9105.40.DA
- 05.9105.14.DA
- 05.9105.ER.DA
- 05.9105.ES.DA
- 05.9105.EQ.DA

1-10V
- 05.9105.40.1V
- 05.9105.14.1V
- 05.9105.ER.1V
- 05.9105.ES.1V
- 05.9105.EQ.1V

Casambi integrated
- 05.9105.40.CB
- 05.9105.14.CB
- 05.9105.ER.CB
- 05.9105.ES.CB
- 05.9105.EQ.CB



Luminous flux luminaire 214 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

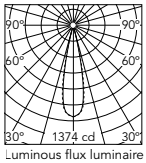
Optic Medium - 2700K

On board dimmer
- 05.9101.40
- 05.9101.14
- 05.9101.ER
- 05.9101.ES
- 05.9101.EQ

Dali 2
- 05.9101.40.DA
- 05.9101.14.DA
- 05.9101.ER.DA
- 05.9101.ES.DA
- 05.9101.EQ.DA

1-10V
- 05.9101.40.1V
- 05.9101.14.1V
- 05.9101.ER.1V
- 05.9101.ES.1V
- 05.9101.EQ.1V

Casambi integrated
- 05.9101.40.CB
- 05.9101.14.CB
- 05.9101.ER.CB
- 05.9101.ES.CB
- 05.9101.EQ.CB



Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

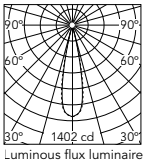
Optic Medium - 3000K

On board dimmer
- 05.9106.40
- 05.9106.14
- 05.9106.ER
- 05.9106.ES
- 05.9106.EQ

Dali 2
- 05.9106.40.DA
- 05.9106.14.DA
- 05.9106.ER.DA
- 05.9106.ES.DA
- 05.9106.EQ.DA

1-10V
- 05.9106.40.1V
- 05.9106.14.1V
- 05.9106.ER.1V
- 05.9106.ES.1V
- 05.9106.EQ.1V

Casambi integrated
- 05.9106.40.CB
- 05.9106.14.CB
- 05.9106.ER.CB
- 05.9106.ES.CB
- 05.9106.EQ.CB



Luminous flux luminaire 205 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

On board dimmer

- 05.9102.40
- 05.9102.14
- 05.9102.ER
- 05.9102.ES
- 05.9102.EQ

Dali 2

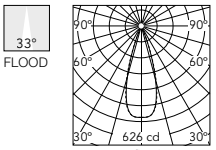
- 05.9102.40.DA
- 05.9102.14.DA
- 05.9102.ER.DA
- 05.9102.ES.DA
- 05.9102.EQ.DA

1-10V

- 05.9102.40.1V
- 05.9102.14.1V
- 05.9102.ER.1V
- 05.9102.ES.1V
- 05.9102.EQ.1V

Casambi integrated

- 05.9102.40.CB
- 05.9102.14.CB
- 05.9102.ER.CB
- 05.9102.ES.CB
- 05.9102.EQ.CB



Luminous flux luminaire 200 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Optic Flood - 3000K

On board dimmer

- 05.9107.40
- 05.9107.14
- 05.9107.ER
- 05.9107.ES
- 05.9107.EQ

Dali 2

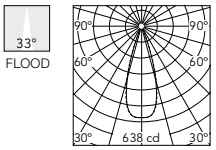
- 05.9107.40.DA
- 05.9107.14.DA
- 05.9107.ER.DA
- 05.9107.ES.DA
- 05.9107.EQ.DA

1-10V

- 05.9107.40.1V
- 05.9107.14.1V
- 05.9107.ER.1V
- 05.9107.ES.1V
- 05.9107.EQ.1V

Casambi integrated

- 05.9107.40.CB
- 05.9107.14.CB
- 05.9107.ER.CB
- 05.9107.ES.CB
- 05.9107.EQ.CB



Luminous flux luminaire 204 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Optic Wide Flood - 2700K

On board dimmer

- 05.9103.40
- 05.9103.14
- 05.9103.ER
- 05.9103.ES
- 05.9103.EQ

Dali 2

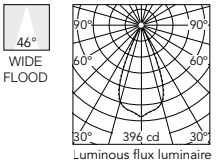
- 05.9103.40.DA
- 05.9103.14.DA
- 05.9103.ER.DA
- 05.9103.ES.DA
- 05.9103.EQ.DA

1-10V

- 05.9103.40.1V
- 05.9103.14.1V
- 05.9103.ER.1V
- 05.9103.ES.1V
- 05.9103.EQ.1V

Casambi integrated

- 05.9103.40.CB
- 05.9103.14.CB
- 05.9103.ER.CB
- 05.9103.ES.CB
- 05.9103.EQ.CB



Luminous flux luminaire 209 lm

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Optic Wide Flood - 3000K

On board dimmer

- 05.9108.40
- 05.9108.14
- 05.9108.ER
- 05.9108.ES
- 05.9108.EQ

Dali 2

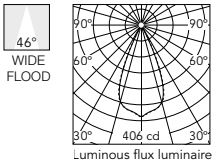
- 05.9108.40.DA
- 05.9108.14.DA
- 05.9108.ER.DA
- 05.9108.ES.DA
- 05.9108.EQ.DA

1-10V

- 05.9108.40.1V
- 05.9108.14.1V
- 05.9108.ER.1V
- 05.9108.ES.1V
- 05.9108.EQ.1V

Casambi integrated

- 05.9108.40.CB
- 05.9108.14.CB
- 05.9108.ER.CB
- 05.9108.ES.CB
- 05.9108.EQ.CB



Luminous flux luminaire 214 lm

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

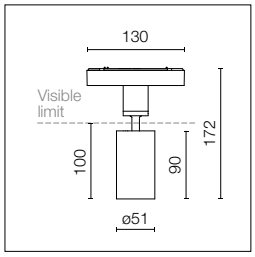
Zubehör / Accessories

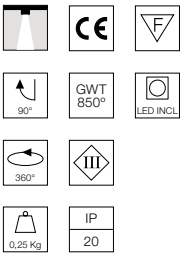
Light Shadow Spot 30

Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

LED Array 10W - 756 lm - 2700K/CRI 90 / 10W - 799 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System The Running Magnet.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in The Running Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Optic Spot - 2700K

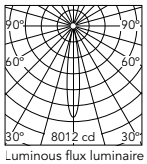
On board dimmer
- 05.9130.40
- 05.9130.14
- 05.9130.ER
- 05.9130.ES
- 05.9130.EQ

Dali 2
- 05.9130.40.DA
- 05.9130.14.DA
- 05.9130.ER.DA
- 05.9130.ES.DA
- 05.9130.EQ.DA

1-10V
- 05.9130.40.1V
- 05.9130.14.1V
- 05.9130.ER.1V
- 05.9130.ES.1V
- 05.9130.EQ.1V

Casambi integrated
- 05.9130.40.CB
- 05.9130.14.CB
- 05.9130.ER.CB
- 05.9130.ES.CB
- 05.9130.EQ.CB

15° SPOT



Luminous flux luminaire 650 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	8012 0.27
2	2003 0.54
3	890 0.80
4	501 1.07
5	320 1.34

Optic Spot - 3000K

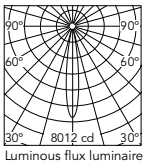
On board dimmer
- 05.9135.40
- 05.9135.14
- 05.9135.ER
- 05.9135.ES
- 05.9135.EQ

Dali 2
- 05.9135.40.DA
- 05.9135.14.DA
- 05.9135.ER.DA
- 05.9135.ES.DA
- 05.9135.EQ.DA

1-10V
- 05.9135.40.1V
- 05.9135.14.1V
- 05.9135.ER.1V
- 05.9135.ES.1V
- 05.9135.EQ.1V

Casambi integrated
- 05.9135.40.CB
- 05.9135.14.CB
- 05.9135.ER.CB
- 05.9135.ES.CB
- 05.9135.EQ.CB

15° SPOT



Luminous flux luminaire 650 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	8012 0.27
2	2003 0.54
3	890 0.80
4	501 1.07
5	320 1.34

Optic Medium - 2700K

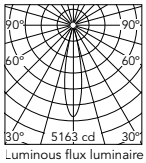
On board dimmer
- 05.9131.40
- 05.9131.14
- 05.9131.ER
- 05.9131.ES
- 05.9131.EQ

Dali 2
- 05.9131.40.DA
- 05.9131.14.DA
- 05.9131.ER.DA
- 05.9131.ES.DA
- 05.9131.EQ.DA

1-10V
- 05.9131.40.1V
- 05.9131.14.1V
- 05.9131.ER.1V
- 05.9131.ES.1V
- 05.9131.EQ.1V

Casambi integrated
- 05.9131.40.CB
- 05.9131.14.CB
- 05.9131.ER.CB
- 05.9131.ES.CB
- 05.9131.EQ.CB

21° MEDIUM



Luminous flux luminaire 645 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	5163 0.36
2	1291 0.73
3	574 1.09
4	323 1.46
5	207 1.82

Optic Medium - 3000K

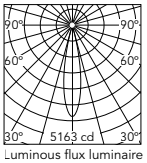
On board dimmer
- 05.9136.40
- 05.9136.14
- 05.9136.ER
- 05.9136.ES
- 05.9136.EQ

Dali 2
- 05.9136.40.DA
- 05.9136.14.DA
- 05.9136.ER.DA
- 05.9136.ES.DA
- 05.9136.EQ.DA

1-10V
- 05.9136.40.1V
- 05.9136.14.1V
- 05.9136.ER.1V
- 05.9136.ES.1V
- 05.9136.EQ.1V

Casambi integrated
- 05.9136.40.CB
- 05.9136.14.CB
- 05.9136.ER.CB
- 05.9136.ES.CB
- 05.9136.EQ.CB

21° MEDIUM



Luminous flux luminaire 645 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	5163 0.36
2	1291 0.73
3	574 1.09
4	323 1.46
5	207 1.82

Optic Flood - 2700K

On board dimmer

- 05.9132.40
- 05.9132.14
- 05.9132.ER
- 05.9132.ES
- 05.9132.EQ

Dali 2

- 05.9132.40.DA
- 05.9132.14.DA
- 05.9132.ER.DA
- 05.9132.ES.DA
- 05.9132.EQ.DA

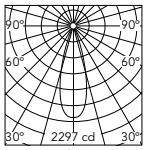
1-10V

- 05.9132.40.1V
- 05.9132.14.1V
- 05.9132.ER.1V
- 05.9132.ES.1V
- 05.9132.EQ.1V

Casambi integrated

- 05.9132.40.CB
- 05.9132.14.CB
- 05.9132.ER.CB
- 05.9132.ES.CB
- 05.9132.EQ.CB

FLOOD



Luminous flux luminaire
646 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

On board dimmer

- 05.9137.40
- 05.9137.14
- 05.9137.ER
- 05.9137.ES
- 05.9137.EQ

Dali 2

- 05.9137.40.DA
- 05.9137.14.DA
- 05.9137.ER.DA
- 05.9137.ES.DA
- 05.9137.EQ.DA

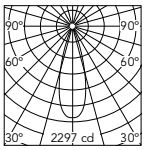
1-10V

- 05.9137.40.1V
- 05.9137.14.1V
- 05.9137.ER.1V
- 05.9137.ES.1V
- 05.9137.EQ.1V

Casambi integrated

- 05.9137.40.CB
- 05.9137.14.CB
- 05.9137.ER.CB
- 05.9137.ES.CB
- 05.9137.EQ.CB

FLOOD



Luminous flux luminaire
646 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

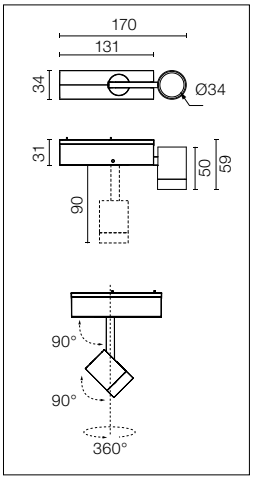
Zubehör / Accessories

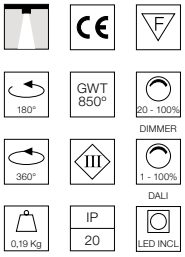
Light Shadow Spot 45

Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

Spot Module

Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI:
Maximal 21 Spots auf einen Driver.
Spot Module DALI:
Maximal 14 Spots auf einen Driver.

Maximal 64 Spots auf einen DALI-Regler.

Siehe erhältliches Zubehör.

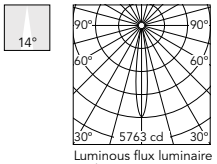
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Maximum 64 spots for a single DALI controller.

See available accessories.

2700K
On board dimmer
03.6303.14B
Dali 2
03.6303.14CDA
**Casambi Integrated
03.6303.14BCB

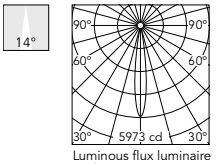


Luminous flux luminaire
403 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5763	0.24
2	1441	0.49
3	640	0.73
4	360	0.98
5	231	1.22

3000K
On board dimmer
03.6302.14B
Dali 2
03.6302.14CDA
**Casambi Integrated
03.6302.14BCB



Luminous flux luminaire
418 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5973	0.24
2	1493	0.49
3	664	0.73
4	373	0.98
5	239	1.22

Zubehör / Accessories

Spot Module

Abschirmender Außenring für Spot-Modul Running Magnet aus Aluminium in Schwarz für einen besseren Sehkomfort.

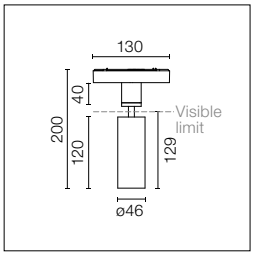
Screening external ring for Running Magnet spot module in aluminium with a black finish to enhance the visual comfort.

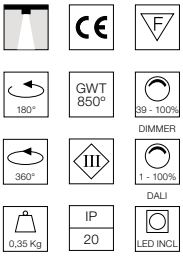
08.8427.14

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Spot 120

Power LED 13W - 1003 lm - 2700K/CRI 90 / 1002 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI 2:
Maximal 14 Spots auf einen Driver.
Spot Module DALI 2:
Maximal 11 Spots auf einen Driver.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI 2:
Maximum 14 spots for a single driver.
Spot Module DALI 2:
Maximum 11 spots for a single driver.

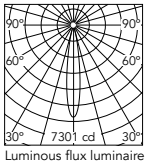
Accessories included (honeycomb and screening crosspiece).

2700K
On board dimmer
- ☐ 03.6285.40C
- ■ 03.6285.14C

Dali 2
- ☐ 03.6285.40CDA
- ■ 03.6285.14CDA

**Casambi Integrated
- ☐ 03.6285.40CCB
- ■ 03.6285.14CCB

16° SPOT



Luminous flux luminaire
773 lm

Beam Angle: 16°

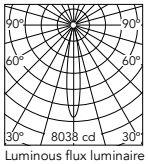
h(m)	E(lx)	D(m)
1	7301	0.28
2	1825	0.57
3	811	0.85
4	456	1.14
5	292	1.42

3000K
On board dimmer
- ☐ 03.6284.40C
- ■ 03.6284.14C

Dali 2
- ☐ 03.6284.40CDA
- ■ 03.6284.14CDA

**Casambi Integrated
- ☐ 03.6284.40CCB
- ■ 03.6284.14CCB

16° SPOT



Luminous flux luminaire
851 lm

Beam Angle: 16°

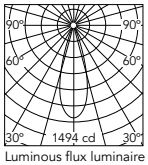
h(m)	E(lx)	D(m)
1	8038	0.28
2	2009	0.57
3	893	0.85
4	502	1.14
5	322	1.42

2700K
On board dimmer
- ☐ 03.6286.40C
- ■ 03.6286.14C

Dali 2
- ☐ 03.6286.40CDA
- ■ 03.6286.14CDA

**Casambi Integrated
- ☐ 03.6286.40CCB
- ■ 03.6286.14CCB

32° MEDIUM



Luminous flux luminaire
448 lm

Beam Angle: 32°

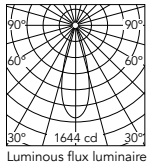
h(m)	E(lx)	D(m)
1	1494	0.57
2	374	1.14
3	166	1.71
4	93	2.27
5	60	2.84

3000K
On board dimmer
- ☐ 03.6287.40C
- ■ 03.6287.14C

Dali 2
- ☐ 03.6287.40CDA
- ■ 03.6287.14CDA

**Casambi Integrated
- ☐ 03.6287.40CCB
- ■ 03.6287.14CCB

32° MEDIUM



Luminous flux luminaire
493 lm

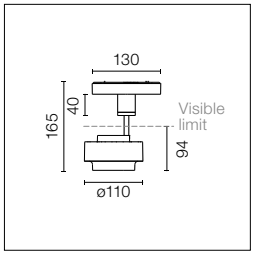
Beam Angle: 32°

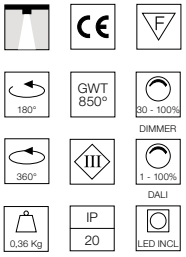
h(m)	E(lx)	D(m)
1	1644	0.57
2	411	1.14
3	183	1.71
4	103	2.27
5	66	2.84

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Anthony Spot Track By Antonio Citterio

Power LED 14W - 1045 lm - 2700K/CRI 90 / 14W - 1308 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI:
Maximal 9 Spots auf einen Driver.

Siehe erhältliches Zubehör.

Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

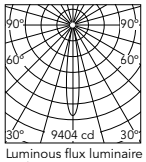
Spot Module No DALI:
Maximum 9 spots for a single driver.

See available accessories.

2700K
On board dimmer
- 03.6277.40B
- 03.6277.14B

Dali 2
- 03.6277.40BDA
- 03.6277.14BDA

**Casambi Integrated
- 03.6277.40BCB
- 03.6277.14BCB



Luminous flux luminaire
847 lm

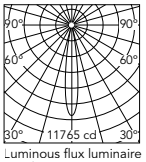
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	9404	0.27
2	2351	0.54
3	1045	0.81
4	588	1.08
5	376	1.35

3000K
On board dimmer
- 03.6274.40B
- 03.6274.14B

Dali 2
- 03.6274.40BDA
- 03.6274.14BDA

**Casambi Integrated
- 03.6274.40BCB
- 03.6274.14BCB



Luminous flux luminaire
1060 lm

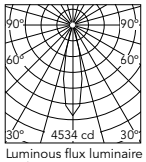
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11765	0.27
2	2941	0.54
3	1307	0.81
4	735	1.08
5	471	1.35

2700K
On board dimmer
- 03.6278.40B
- 03.6278.14B

Dali 2
- 03.6278.40BDA
- 03.6278.14BDA

**Casambi Integrated
- 03.6278.40BCB
- 03.6278.14BCB



Luminous flux luminaire
870 lm

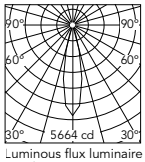
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	4534	0.40
2	1134	0.81
3	504	1.21
4	283	1.61
5	181	2.02

3000K
On board dimmer
- 03.6275.40B
- 03.6275.14B

Dali 2
- 03.6275.40BDA
- 03.6275.14BDA

**Casambi Integrated
- 03.6275.40BCB
- 03.6275.14BCB



Luminous flux luminaire
1087 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	5664	0.40
2	1416	0.81
3	629	1.21
4	354	1.61
5	227	2.02

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

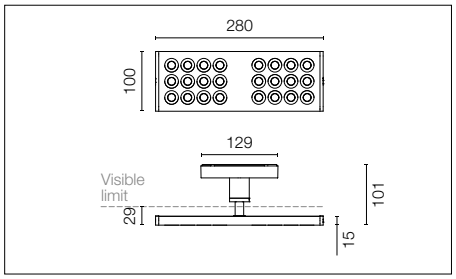
Zubehör / Accessories

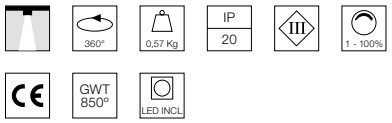
Anthony Spot Track

Elliptische linse.	Elliptical lens.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Floodlinse. Zum Erreichen von Flood-Optik (35º), Anthony Spot Medium + Flood-Linse bestellen.	Flood lens. To obtain flood optics (35º) order Anthony Spot Medium + flood lens.		08.0050.00

Workmates Small

Top LED High Efficiency
Non Dimming / 1-10V: 10W - 1382 lm - 3000K/CRI 90 / 1416 lm - 3500K/CRI 90 / 1440 lm - 4000K/CRI 90
Dali 2 / Casambi: 10,5W - 1382 lm - 3000K/CRI 90 / 1416 lm - 3500K/CRI 90 / 1440 lm - 4000K/CRI 90





Lichtquelle für das Running Magnet System. Hocheffiziente Lichtquelle. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Luminaire for use on The Running Magnet system. High-efficiency light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, máximum distance between fixtures: 50m.

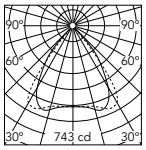
Optic Wide Flood - 3000K

Non Dimming
- 05.6420.40
- 05.6420.40.78
- 05.6420.14
- 05.6420.AP

Dali 2
- 05.6420.40.DA
- 05.6420.40.YU
- 05.6420.14.DA
- 05.6420.AP.DA

1-10V
- 05.6420.40.1V
- 05.6420.40.RX
- 05.6420.14.1V
- 05.6420.AP.1V

Casambi
- 05.6420.40.CB
- 05.6420.40.C6
- 05.6420.14.CB
- 05.6420.AP.CB



Luminous flux luminaire
1022 lm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	661 1.55
2	165 3.10
3	73 4.66
4	41 6.21
5	26 7.76

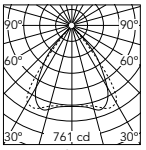
Optic Wide Flood - 4000K

Non Dimming
- 05.6422.40
- 05.6422.40.78
- 05.6422.14
- 05.6422.AP

Dali 2
- 05.6422.40.DA
- 05.6422.40.YU
- 05.6422.14.DA
- 05.6422.AP.DA

1-10V
- 05.6422.40.1V
- 05.6422.40.RX
- 05.6422.14.1V
- 05.6422.AP.1V

Casambi
- 05.6422.40.CB
- 05.6422.40.C6
- 05.6422.14.CB
- 05.6422.AP.CB



Luminous flux luminaire
1046 lm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	676 1.55
2	169 3.10
3	75 4.66
4	42 6.21
5	27 7.76

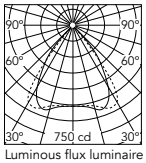
Optic Wide Flood - 3500K

Non Dimming
- 05.6421.40
- 05.6421.40.78
- 05.6421.14
- 05.6421.AP

Dali 2
- 05.6421.40.DA
- 05.6421.40.YU
- 05.6421.14.DA
- 05.6421.AP.DA

1-10V
- 05.6421.40.1V
- 05.6421.40.RX
- 05.6421.14.1V
- 05.6421.AP.1V

Casambi
- 05.6421.40.CB
- 05.6421.40.C6
- 05.6421.14.CB
- 05.6421.AP.CB



Luminous flux luminaire
1031 lm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	666 1.55
2	167 3.10
3	74 4.66
4	42 6.21
5	27 7.76

NEW

Optic Oval - 3000K

Non Dimming

- 05.6425.40
- 05.6425.40.78
- 05.6425.14
- 05.6425.AP

Dali 2

- 05.6425.40.DA
- 05.6425.40.YU
- 05.6425.14.DA
- 05.6425.AP.DA

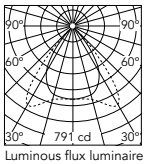
1-10V

- 05.6425.40.1V
- 05.6425.40.RX
- 05.6425.14.1V
- 05.6425.AP.1V

Casambi

- 05.6425.40.CB
- 05.6425.40.C6
- 05.6425.14.CB
- 05.6425.AP.CB

72° OVAL



Luminous flux luminaire
994 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	633	1.45
2	158	2.89
3	70	4.34
4	40	5.78
5	25	7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5920.40
- 05.5920.40.78
- 05.5920.14
- 05.5920.AP

Dali 2

- 05.5920.40.DA
- 05.5920.40.YU
- 05.5920.14.DA
- 05.5920.AP.DA

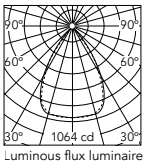
1-10V

- 05.5920.40.1V
- 05.5920.40.RX
- 05.5920.14.1V
- 05.5920.AP.1V

Casambi

- 05.5920.40.CB
- 05.5920.40.C6
- 05.5920.14.CB
- 05.5920.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1104 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1062	1.31
2	266	2.61
3	118	3.92
4	66	5.23
5	42	6.54

Optic Oval - 3500K

Non Dimming

- 05.6426.40
- 05.6426.40.78
- 05.6426.14
- 05.6426.AP

Dali 2

- 05.6426.40.DA
- 05.6426.40.YU
- 05.6426.14.DA
- 05.6426.AP.DA

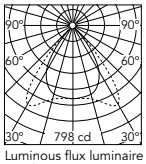
1-10V

- 05.6426.40.1V
- 05.6426.40.RX
- 05.6426.14.1V
- 05.6426.AP.1V

Casambi

- 05.6426.40.CB
- 05.6426.40.C6
- 05.6426.14.CB
- 05.6426.AP.CB

72° OVAL



Luminous flux luminaire
1003 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	639	1.45
2	160	2.89
3	71	4.34
4	40	5.78
5	26	7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5921.40
- 05.5921.40.78
- 05.5921.14
- 05.5921.AP

Dali 2

- 05.5921.40.DA
- 05.5921.40.YU
- 05.5921.14.DA
- 05.5921.AP.DA

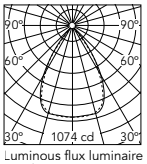
1-10V

- 05.5921.40.1V
- 05.5921.40.RX
- 05.5921.14.1V
- 05.5921.AP.1V

Casambi

- 05.5921.40.CB
- 05.5921.40.C6
- 05.5921.14.CB
- 05.5921.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1115 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1073	1.31
2	268	2.61
3	119	3.92
4	67	5.23
5	43	6.54

Optic Oval - 4000K

Non Dimming

- 05.6427.40
- 05.6427.40.78
- 05.6427.14
- 05.6427.AP

Dali 2

- 05.6427.40.DA
- 05.6427.40.YU
- 05.6427.14.DA
- 05.6427.AP.DA

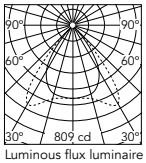
1-10V

- 05.6427.40.1V
- 05.6427.40.RX
- 05.6427.14.1V
- 05.6427.AP.1V

Casambi

- 05.6427.40.CB
- 05.6427.40.C6
- 05.6427.14.CB
- 05.6427.AP.CB

72° OVAL



Luminous flux luminaire
1017 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	648	1.45
2	162	2.89
3	72	4.34
4	40	5.78
5	26	7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5922.40
- 05.5922.40.78
- 05.5922.14
- 05.5922.AP

Dali 2

- 05.5922.40.DA
- 05.5922.40.YU
- 05.5922.14.DA
- 05.5922.AP.DA

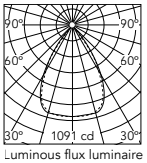
1-10V

- 05.5922.40.1V
- 05.5922.40.RX
- 05.5922.14.1V
- 05.5922.AP.1V

Casambi

- 05.5922.40.CB
- 05.5922.40.C6
- 05.5922.14.CB
- 05.5922.AP.CB

66° HIGH COMFORT

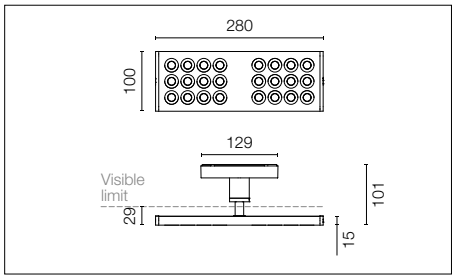


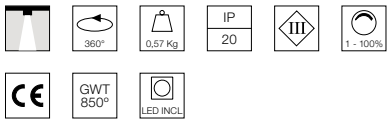
Luminous flux luminaire
1133 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1090	1.31
2	272	2.61
3	121	3.92
4	68	5.23
5	44	6.54

Workmates Small

Top LED Full Spectrum
Non Dimming / 1-10V: 10W - 1013 lm - 3000K/CRI 98 / 1021 lm - 3500K/CRI 98 / 1032 lm - 4000K/CRI 98
Dali 2 / Casambi: 10,5W - 1013 lm - 3000K/CRI 98 / 1021 lm - 3500K/CRI 98 / 1032 lm - 4000K/CRI 98





Lichtquelle für das Running Magnet System. Full Spectrum-Lichtquelle mit hoher Farbwiedergabequalität. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Luminaire for use on The Running Magnet system. High-quality colour rendering Full Spectrum light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, máximum distance between fixtures: 50m.

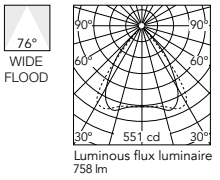
Optic Wide Flood - 3000K

Non Dimming
- 05.6430.40
- 05.6430.40.78
- 05.6430.14
- 05.6430.AP

Dali 2
- 05.6430.40.DA
- 05.6430.40.YU
- 05.6430.14.DA
- 05.6430.AP.DA

1-10V
- 05.6430.40.1V
- 05.6430.40.RX
- 05.6430.14.1V
- 05.6430.AP.1V

Casambi
- 05.6430.40.CB
- 05.6430.40.C6
- 05.6430.14.CB
- 05.6430.AP.CB



Luminous flux luminaire
758 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	490	1.55
2	122	3.10
3	54	4.66
4	31	6.21
5	20	7.76

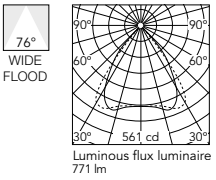
Optic Wide Flood - 4000K

Non Dimming
- 05.6432.40
- 05.6432.40.78
- 05.6432.14
- 05.6432.AP

Dali 2
- 05.6432.40.DA
- 05.6432.40.YU
- 05.6432.14.DA
- 05.6432.AP.DA

1-10V
- 05.6432.40.1V
- 05.6432.40.RX
- 05.6432.14.1V
- 05.6432.AP.1V

Casambi
- 05.6432.40.CB
- 05.6432.40.C6
- 05.6432.14.CB
- 05.6432.AP.CB



Luminous flux luminaire
771 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	498	1.55
2	125	3.10
3	55	4.66
4	31	6.21
5	20	7.76

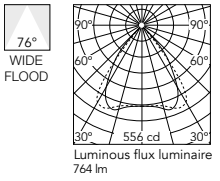
Optic Wide Flood - 3500K

Non Dimming
- 05.6431.40
- 05.6431.40.78
- 05.6431.14
- 05.6431.AP

Dali 2
- 05.6431.40.DA
- 05.6431.40.YU
- 05.6431.14.DA
- 05.6431.AP.DA

1-10V
- 05.6431.40.1V
- 05.6431.40.RX
- 05.6431.14.1V
- 05.6431.AP.1V

Casambi
- 05.6431.40.CB
- 05.6431.40.C6
- 05.6431.14.CB
- 05.6431.AP.CB



Luminous flux luminaire
764 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	494	1.55
2	123	3.10
3	55	4.66
4	31	6.21
5	20	7.76

NEW

Optic Oval - 3000K

Non Dimming

- 05.6435.40
- 05.6435.40.78
- 05.6435.14
- 05.6435.AP

Dali 2

- 05.6435.40.DA
- 05.6435.40.YU
- 05.6435.14.DA
- 05.6435.AP.DA

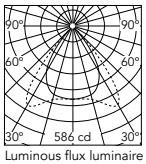
1-10V

- 05.6435.40.1V
- 05.6435.40.RX
- 05.6435.14.1V
- 05.6435.AP.1V

Casambi

- 05.6435.40.CB
- 05.6435.40.C6
- 05.6435.14.CB
- 05.6435.AP.CB

72° OVAL



Luminous flux luminaire
737 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	469 1.45
2	117 2.89
3	52 4.34
4	29 5.78
5	19 7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5930.40
- 05.5930.40.78
- 05.5930.14
- 05.5930.AP

Dali 2

- 05.5930.40.DA
- 05.5930.40.YU
- 05.5930.14.DA
- 05.5930.AP.DA

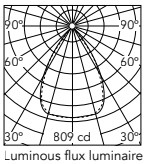
1-10V

- 05.5930.40.1V
- 05.5930.40.RX
- 05.5930.14.1V
- 05.5930.AP.1V

Casambi

- 05.5930.40.CB
- 05.5930.40.C6
- 05.5930.14.CB
- 05.5930.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
840 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	808 1.31
2	202 2.61
3	90 3.92
4	51 5.23
5	32 6.54

Optic Oval - 3500K

Non Dimming

- 05.6436.40
- 05.6436.40.78
- 05.6436.14
- 05.6436.AP

Dali 2

- 05.6436.40.DA
- 05.6436.40.YU
- 05.6436.14.DA
- 05.6436.AP.DA

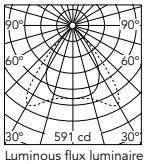
1-10V

- 05.6436.40.1V
- 05.6436.40.RX
- 05.6436.14.1V
- 05.6436.AP.1V

Casambi

- 05.6436.40.CB
- 05.6436.40.C6
- 05.6436.14.CB
- 05.6436.AP.CB

72° OVAL



Luminous flux luminaire
743 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	473 1.45
2	118 2.89
3	53 4.34
4	30 5.78
5	19 7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5931.40
- 05.5931.40.78
- 05.5931.14
- 05.5931.AP

Dali 2

- 05.5931.40.DA
- 05.5931.40.YU
- 05.5931.14.DA
- 05.5931.AP.DA

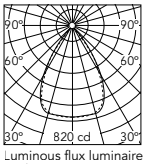
1-10V

- 05.5931.40.1V
- 05.5931.40.RX
- 05.5931.14.1V
- 05.5931.AP.1V

Casambi

- 05.5931.40.CB
- 05.5931.40.C6
- 05.5931.14.CB
- 05.5931.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
851 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	819 1.31
2	205 2.61
3	91 3.92
4	51 5.23
5	33 6.54

Optic Oval - 4000K

Non Dimming

- 05.6437.40
- 05.6437.40.78
- 05.6437.14
- 05.6437.AP

Dali 2

- 05.6437.40.DA
- 05.6437.40.YU
- 05.6437.14.DA
- 05.6437.AP.DA

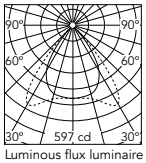
1-10V

- 05.6437.40.1V
- 05.6437.40.RX
- 05.6437.14.1V
- 05.6437.AP.1V

Casambi

- 05.6437.40.CB
- 05.6437.40.C6
- 05.6437.14.CB
- 05.6437.AP.CB

72° OVAL



Luminous flux luminaire
750 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	478 1.45
2	119 2.89
3	53 4.34
4	30 5.78
5	19 7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5932.40
- 05.5932.40.78
- 05.5932.14
- 05.5932.AP

Dali 2

- 05.5932.40.DA
- 05.5932.40.YU
- 05.5932.14.DA
- 05.5932.AP.DA

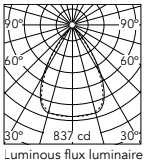
1-10V

- 05.5932.40.1V
- 05.5932.40.RX
- 05.5932.14.1V
- 05.5932.AP.1V

Casambi

- 05.5932.40.CB
- 05.5932.40.C6
- 05.5932.14.CB
- 05.5932.AP.CB

66° HIGH COMFORT

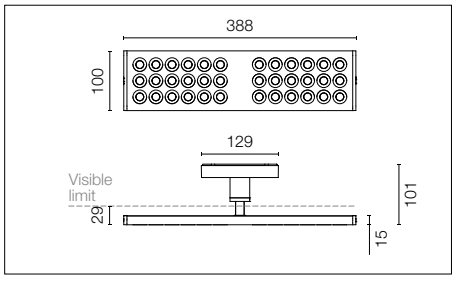


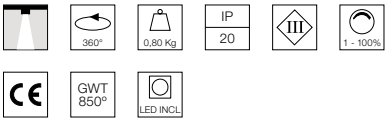
Luminous flux luminaire
869 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	836 1.31
2	209 2.61
3	93 3.92
4	52 5.23
5	33 6.54

Workmates Large

Top LED High Efficiency
Non Dimming / 1-10V: 12,5W - 1853 lm - 3000K/CRI 90 / 1886 lm - 3500K/CRI 90 / 1896 lm - 4000K/CRI 90
Dali 2 / Casambi: 13,5W - 1853 lm - 3000K/CRI 90 / 1886 lm - 3500K/CRI 90 / 1896 lm - 4000K/CRI 90





Lichtquelle für das Running Magnet System. Hocheffiziente Lichtquelle. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Luminaire for use on The Running Magnet system. High-efficiency light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, máximum distance between fixtures: 50m.

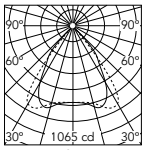
Optic Wide Flood - 3000K

Non Dimming
- 05.6440.40
- 05.6440.40.78
- 05.6440.14
- 05.6440.AP

Dali 2
- 05.6440.40.DA
- 05.6440.40.YU
- 05.6440.14.DA
- 05.6440.AP.DA

1-10V
- 05.6440.40.1V
- 05.6440.40.RX
- 05.6440.14.1V
- 05.6440.AP.1V

Casambi
- 05.6440.40.CB
- 05.6440.40.C6
- 05.6440.14.CB
- 05.6440.AP.CB



Luminous flux luminaire
1411 lm

Beam Angle:	74°
h(m)	E(lx)	D(m)
1	893	1.50
2	223	3.00
3	99	4.51
4	56	6.01
5	36	7.51

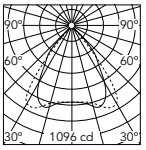
Optic Wide Flood - 4000K

Non Dimming
- 05.6442.40
- 05.6442.40.78
- 05.6442.14
- 05.6442.AP

Dali 2
- 05.6442.40.DA
- 05.6442.40.YU
- 05.6442.14.DA
- 05.6442.AP.DA

1-10V
- 05.6442.40.1V
- 05.6442.40.RX
- 05.6442.14.1V
- 05.6442.AP.1V

Casambi
- 05.6442.40.CB
- 05.6442.40.C6
- 05.6442.14.CB
- 05.6442.AP.CB



Luminous flux luminaire
1453 lm

Beam Angle:	74°
h(m)	E(lx)	D(m)
1	920	1.50
2	230	3.00
3	102	4.51
4	57	6.01
5	37	7.51

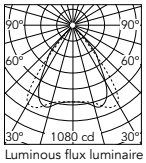
Optic Wide Flood - 3500K

Non Dimming
- 05.6441.40
- 05.6441.40.78
- 05.6441.14
- 05.6441.AP

Dali 2
- 05.6441.40.DA
- 05.6441.40.YU
- 05.6441.14.DA
- 05.6441.AP.DA

1-10V
- 05.6441.40.1V
- 05.6441.40.RX
- 05.6441.14.1V
- 05.6441.AP.1V

Casambi
- 05.6441.40.CB
- 05.6441.40.C6
- 05.6441.14.CB
- 05.6441.AP.CB



Luminous flux luminaire
1432 lm

Beam Angle:	74°
h(m)	E(lx)	D(m)
1	906	1.50
2	227	3.00
3	101	4.51
4	57	6.01
5	36	7.51

NEW

Optic Oval - 3000K

Non Dimming

- 05.6445.40
- 05.6445.40.78
- 05.6445.14
- 05.6445.AP

Dali 2

- 05.6445.40.DA
- 05.6445.40.YU
- 05.6445.14.DA
- 05.6445.AP.DA

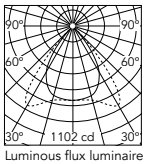
1-10V

- 05.6445.40.1V
- 05.6445.40.RX
- 05.6445.14.1V
- 05.6445.AP.1V

Casambi

- 05.6445.40.CB
- 05.6445.40.C6
- 05.6445.14.CB
- 05.6445.AP.CB

72° OVAL



Luminous flux luminaire
1396 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	894 1.45
2	224 2.89
3	99 4.34
4	56 5.79
5	36 7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5940.40
- 05.5940.40.78
- 05.5940.14
- 05.5940.AP

Dali 2

- 05.5940.40.DA
- 05.5940.40.YU
- 05.5940.14.DA
- 05.5940.AP.DA

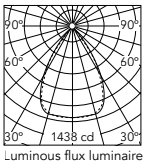
1-10V

- 05.5940.40.1V
- 05.5940.40.RX
- 05.5940.14.1V
- 05.5940.AP.1V

Casambi

- 05.5940.40.CB
- 05.5940.40.C6
- 05.5940.14.CB
- 05.5940.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1493 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1436 1.31
2	359 2.61
3	160 3.92
4	90 5.23
5	57 6.54

Optic Oval - 3500K

Non Dimming

- 05.6446.40
- 05.6446.40.78
- 05.6446.14
- 05.6446.AP

Dali 2

- 05.6446.40.DA
- 05.6446.40.YU
- 05.6446.14.DA
- 05.6446.AP.DA

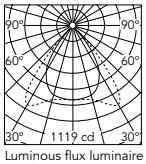
1-10V

- 05.6446.40.1V
- 05.6446.40.RX
- 05.6446.14.1V
- 05.6446.AP.1V

Casambi

- 05.6446.40.CB
- 05.6446.40.C6
- 05.6446.14.CB
- 05.6446.AP.CB

72° OVAL



Luminous flux luminaire
1417 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	908 1.45
2	227 2.89
3	101 4.34
4	57 5.79
5	36 7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5941.40
- 05.5941.40.78
- 05.5941.14
- 05.5941.AP

Dali 2

- 05.5941.40.DA
- 05.5941.40.YU
- 05.5941.14.DA
- 05.5941.AP.DA

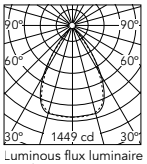
1-10V

- 05.5941.40.1V
- 05.5941.40.RX
- 05.5941.14.1V
- 05.5941.AP.1V

Casambi

- 05.5941.40.CB
- 05.5941.40.C6
- 05.5941.14.CB
- 05.5941.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1504 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1447 1.31
2	362 2.61
3	161 3.92
4	90 5.23
5	58 6.54

Optic Oval - 4000K

Non Dimming

- 05.6447.40
- 05.6447.40.78
- 05.6447.14
- 05.6447.AP

Dali 2

- 05.6447.40.DA
- 05.6447.40.YU
- 05.6447.14.DA
- 05.6447.AP.DA

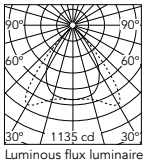
1-10V

- 05.6447.40.1V
- 05.6447.40.RX
- 05.6447.14.1V
- 05.6447.AP.1V

Casambi

- 05.6447.40.CB
- 05.6447.40.C6
- 05.6447.14.CB
- 05.6447.AP.CB

72° OVAL



Luminous flux luminaire
1438 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	921 1.45
2	230 2.89
3	102 4.34
4	58 5.79
5	37 7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5942.40
- 05.5942.40.78
- 05.5942.14
- 05.5942.AP

Dali 2

- 05.5942.40.DA
- 05.5942.40.YU
- 05.5942.14.DA
- 05.5942.AP.DA

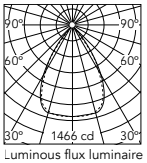
1-10V

- 05.5942.40.1V
- 05.5942.40.RX
- 05.5942.14.1V
- 05.5942.AP.1V

Casambi

- 05.5942.40.CB
- 05.5942.40.C6
- 05.5942.14.CB
- 05.5942.AP.CB

66° HIGH COMFORT

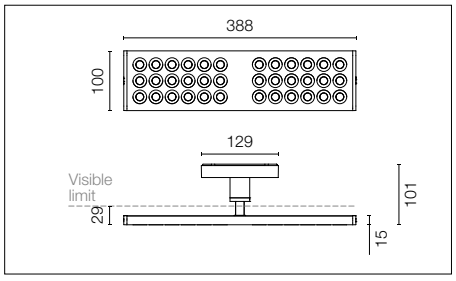


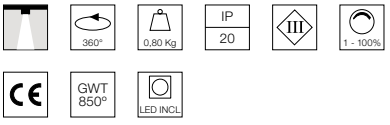
Luminous flux luminaire
1522 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1464 1.31
2	366 2.61
3	163 3.92
4	92 5.23
5	59 6.54

Workmates Large

Top LED Full Spectrum
Non Dimming / 1-10V: 12,5W - 1358 lm - 3000K/CRI 98 / 1368 lm - 3500K/CRI 98 / 1382 lm - 4000K/CRI 98
Dali 2 / Casambi: 13,5W - 1358 lm - 3000K/CRI 98 / 1368 lm - 3500K/CRI 98 / 1382 lm - 4000K/CRI 98





Lichtquelle für das Running Magnet System. Full Spectrum-Lichtquelle mit hoher Farbwiedergabequalität. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Luminaire for use on The Running Magnet system. High-quality colour rendering Full Spectrum light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, máximum distance between fixtures: 50m.

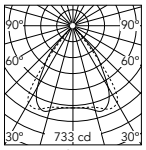
Optic Wide Flood - 3000K

Non Dimming
- 05.6450.40
- 05.6450.40.78
- 05.6450.14
- 05.6450.AP

Dali 2
- 05.6450.40.DA
- 05.6450.40.YU
- 05.6450.14.DA
- 05.6450.AP.DA

1-10V
- 05.6450.40.1V
- 05.6450.40.RX
- 05.6450.14.1V
- 05.6450.AP.1V

Casambi
- 05.6450.40.CB
- 05.6450.40.C6
- 05.6450.14.CB
- 05.6450.AP.CB



Luminous flux luminaire
1005 lm

Beam Angle:	75°
h(m)	E(lx)	D(m)
1	659	1.52
2	165	3.05
3	73	4.57
4	41	6.10
5	26	7.62

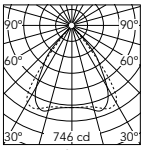
Optic Wide Flood - 4000K

Non Dimming
- 05.6452.40
- 05.6452.40.78
- 05.6452.14
- 05.6452.AP

Dali 2
- 05.6452.40.DA
- 05.6452.40.YU
- 05.6452.14.DA
- 05.6452.AP.DA

1-10V
- 05.6452.40.1V
- 05.6452.40.RX
- 05.6452.14.1V
- 05.6452.AP.1V

Casambi
- 05.6452.40.CB
- 05.6452.40.C6
- 05.6452.14.CB
- 05.6452.AP.CB



Luminous flux luminaire
1022 lm

Beam Angle:	75°
h(m)	E(lx)	D(m)
1	670	1.52
2	168	3.05
3	74	4.57
4	42	6.10
5	27	7.62

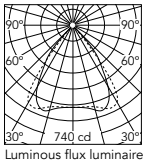
Optic Wide Flood - 3500K

Non Dimming
- 05.6451.40
- 05.6451.40.78
- 05.6451.14
- 05.6451.AP

Dali 2
- 05.6451.40.DA
- 05.6451.40.YU
- 05.6451.14.DA
- 05.6451.AP.DA

1-10V
- 05.6451.40.1V
- 05.6451.40.RX
- 05.6451.14.1V
- 05.6451.AP.1V

Casambi
- 05.6451.40.CB
- 05.6451.40.C6
- 05.6451.14.CB
- 05.6451.AP.CB



Luminous flux luminaire
1014 lm

Beam Angle:	75°
h(m)	E(lx)	D(m)
1	665	1.52
2	166	3.05
3	74	4.57
4	42	6.10
5	27	7.62

NEW

Optic Oval - 3000K

Non Dimming

- 05.6455.40
- 05.6455.40.78
- 05.6455.14
- 05.6455.AP

Dali 2

- 05.6455.40.DA
- 05.6455.40.YU
- 05.6455.14.DA
- 05.6455.AP.DA

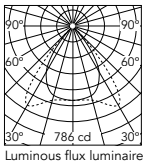
1-10V

- 05.6455.40.1V
- 05.6455.40.RX
- 05.6455.14.1V
- 05.6455.AP.1V

Casambi

- 05.6455.40.CB
- 05.6455.40.C6
- 05.6455.14.CB
- 05.6455.AP.CB

72° OVAL



Luminous flux luminaire
995 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	637	1.45
2	159	2.89
3	71	4.34
4	40	5.79
5	25	7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5950.40
- 05.5950.40.78
- 05.5950.14
- 05.5950.AP

Dali 2

- 05.5950.40.DA
- 05.5950.40.YU
- 05.5950.14.DA
- 05.5950.AP.DA

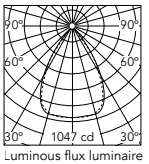
1-10V

- 05.5950.40.1V
- 05.5950.40.RX
- 05.5950.14.1V
- 05.5950.AP.1V

Casambi

- 05.5950.40.CB
- 05.5950.40.C6
- 05.5950.14.CB
- 05.5950.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1087 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1046	1.31
2	261	2.61
3	116	3.92
4	65	5.23
5	42	6.54

Optic Oval - 3500K

Non Dimming

- 05.6456.40
- 05.6456.40.78
- 05.6456.14
- 05.6456.AP

Dali 2

- 05.6456.40.DA
- 05.6456.40.YU
- 05.6456.14.DA
- 05.6456.AP.DA

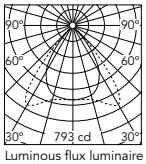
1-10V

- 05.6456.40.1V
- 05.6456.40.RX
- 05.6456.14.1V
- 05.6456.AP.1V

Casambi

- 05.6456.40.CB
- 05.6456.40.C6
- 05.6456.14.CB
- 05.6456.AP.CB

72° OVAL



Luminous flux luminaire
1004 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	643	1.45
2	161	2.89
3	71	4.34
4	40	5.79
5	26	7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5951.40
- 05.5951.40.78
- 05.5951.14
- 05.5951.AP

Dali 2

- 05.5951.40.DA
- 05.5951.40.YU
- 05.5951.14.DA
- 05.5951.AP.DA

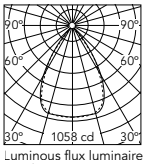
1-10V

- 05.5951.40.1V
- 05.5951.40.RX
- 05.5951.14.1V
- 05.5951.AP.1V

Casambi

- 05.5951.40.CB
- 05.5951.40.C6
- 05.5951.14.CB
- 05.5951.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1098 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1056	1.31
2	264	2.61
3	117	3.92
4	66	5.23
5	42	6.54

Optic Oval - 4000K

Non Dimming

- 05.6457.40
- 05.6457.40.78
- 05.6457.14
- 05.6457.AP

Dali 2

- 05.6457.40.DA
- 05.6457.40.YU
- 05.6457.14.DA
- 05.6457.AP.DA

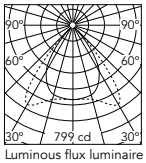
1-10V

- 05.6457.40.1V
- 05.6457.40.RX
- 05.6457.14.1V
- 05.6457.AP.1V

Casambi

- 05.6457.40.CB
- 05.6457.40.C6
- 05.6457.14.CB
- 05.6457.AP.CB

72° OVAL



Luminous flux luminaire
1012 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	648	1.45
2	162	2.89
3	72	4.34
4	41	5.79
5	26	7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5952.40
- 05.5952.40.78
- 05.5952.14
- 05.5952.AP

Dali 2

- 05.5952.40.DA
- 05.5952.40.YU
- 05.5952.14.DA
- 05.5952.AP.DA

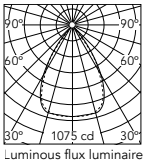
1-10V

- 05.5952.40.1V
- 05.5952.40.RX
- 05.5952.14.1V
- 05.5952.AP.1V

Casambi

- 05.5952.40.CB
- 05.5952.40.C6
- 05.5952.14.CB
- 05.5952.AP.CB

66° HIGH COMFORT

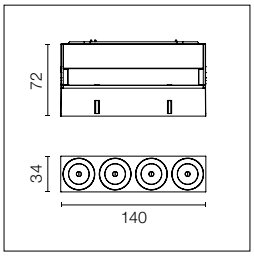


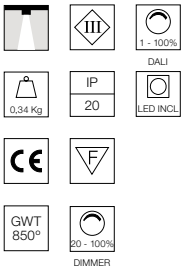
Luminous flux luminaire
1116 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1074	1.31
2	268	2.61
3	119	3.92
4	67	5.23
5	43	6.54

Light Shadow

Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit 4 Scheinwerfern und geringer Blendung für den Einbau in das System The Running Magnet.
Elektronischer Stromwandler DC/DC, eingebaut.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

E= Außenfarbe
I= Innenfarbe

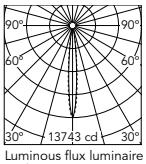
LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I On board dimmer
03.8948.40A
03.8948.14A
E I Dali 2
03.8948.40BDA
03.8948.14BDA
E I **Casambi Integrated
03.8948.40ACB
03.8948.14ACB

10° SPOT



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

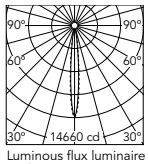
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

E I On board dimmer
03.8952.40A
03.8952.14A
E I Dali 2
03.8952.40BDA
03.8952.14BDA
E I **Casambi Integrated
03.8952.40ACB
03.8952.14ACB

10° SPOT



Luminous flux luminaire
801 lm (EXTREME CUT OFF)

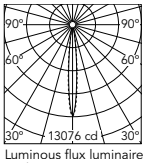
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

2700K

E I On board dimmer
03.8949.40A
03.8949.14A
E I Dali 2
03.8949.40BDA
03.8949.14BDA
E I **Casambi Integrated
03.8949.40ACB
03.8949.14ACB

10° SPOT



Luminous flux luminaire
724 lm (EXTREME CUT OFF)

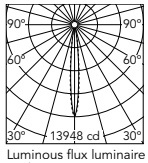
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

3000K

E I On board dimmer
03.8953.40A
03.8953.14A
E I Dali 2
03.8953.40BDA
03.8953.14BDA
E I **Casambi Integrated
03.8953.40ACB
03.8953.14ACB

10° SPOT



Luminous flux luminaire
773 lm (EXTREME CUT OFF)

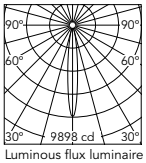
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

2700K

E I On board dimmer
05.1800.40A
05.1800.14A
E I Dali 2
05.1800.40ADA
05.1800.14ADA
E I **Casambi Integrated
05.1800.40ACB
05.1800.14ACB

12° SPOT



Luminous flux luminaire
789 lm (EXTREME CUT OFF)

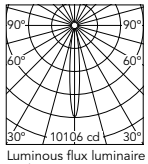
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	9898	0.22
2	2475	0.44
3	1100	0.66
4	618	0.88
5	396	1.09

3000K

E I On board dimmer
05.1805.40A
05.1805.14A
E I Dali 2
05.1805.40ADA
05.1805.14ADA
E I **Casambi Integrated
05.1805.40ACB
05.1805.14ACB

12° SPOT



Luminous flux luminaire
805 lm (EXTREME CUT OFF)

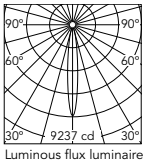
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	10106	0.22
2	2527	0.44
3	1123	0.66
4	631	0.88
5	404	1.09

2700K

E I On board dimmer
05.1801.40A
05.1801.14A
E I Dali 2
05.1801.40ADA
05.1801.14ADA
E I **Casambi Integrated
05.1801.40ACB
05.1801.14ACB

13° SPOT



Luminous flux luminaire
784 lm (EXTREME CUT OFF)

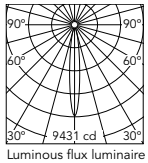
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	9237	0.23
2	2309	0.45
3	1027	0.68
4	578	0.90
5	370	1.13

3000K

E I On board dimmer
05.1806.40A
05.1806.14A
E I Dali 2
05.1806.40ADA
05.1806.14ADA
E I **Casambi Integrated
05.1806.40ACB
05.1806.14ACB

13° SPOT



Luminous flux luminaire
800 lm (EXTREME CUT OFF)

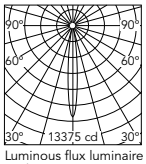
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	9431	0.23
2	2358	0.45
3	1048	0.68
4	590	0.90
5	378	1.13

2700K

E I On board dimmer
05.1802.40A
05.1802.14A
E I Dali 2
05.1802.40ADA
05.1802.14ADA
E I **Casambi Integrated
05.1802.40ACB
05.1802.14ACB

12° SPOT



Luminous flux luminaire
841 lm (EXTREME CUT OFF)

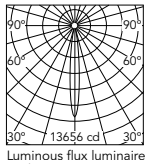
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	13375	0.20
2	3344	0.41
3	1486	0.61
4	836	0.82
5	535	1.02

3000K

E I On board dimmer
05.1807.40A
05.1807.14A
E I Dali 2
05.1807.40ADA
05.1807.14ADA
E I **Casambi Integrated
05.1807.40ACB
05.1807.14ACB

12° SPOT



Luminous flux luminaire
859 lm (EXTREME CUT OFF)

Beam Angle: 12°

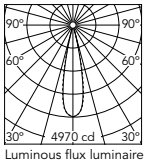
h(m)	E(lx)	D(m)
1	13656	0.20
2	3414	0.41
3	1517	0.61
4	853	0.82
5	546	1.02

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Optic Medium
2700K

E I On board dimmer
03.9620.40A
03.9620.14A
E I Dali 2
03.9620.40BDA
03.9620.14BDA
E I **Casambi Integrated
03.9620.40ACB
03.9620.14ACB

22° MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

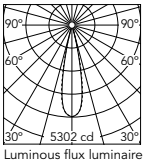
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium
3000K

E I On board dimmer
03.9630.40A
03.9630.14A
E I Dali 2
03.9630.40BDA
03.9630.14BDA
E I **Casambi Integrated
03.9630.40ACB
03.9630.14ACB

22° MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

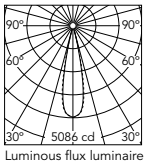
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

2700K

E I On board dimmer
03.9621.40A
03.9621.14A
E I Dali 2
03.9621.40BDA
03.9621.14BDA
E I **Casambi Integrated
03.9621.40ACB
03.9621.14ACB

22° MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

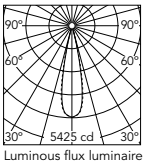
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

3000K

E I On board dimmer
03.9631.40A
03.9631.14A
E I Dali 2
03.9631.40BDA
03.9631.14BDA
E I **Casambi Integrated
03.9631.40ACB
03.9631.14ACB

22° MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

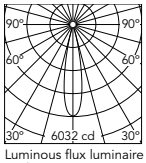
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

2700K

E I On board dimmer
05.1810.40A
05.1810.14A
E I Dali 2
05.1810.40ADA
05.1810.14ADA
E I **Casambi Integrated
05.1810.40ACB
05.1810.14ACB

21° MEDIUM



Luminous flux luminaire
821 lm (EXTREME CUT OFF)

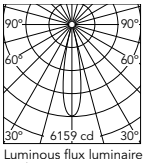
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6032	0.37
2	1508	0.74
3	670	1.11
4	377	1.48
5	242	1.84

3000K

E I On board dimmer
05.1815.40A
05.1815.14A
E I Dali 2
05.1815.40ADA
05.1815.14ADA
E I **Casambi Integrated
05.1815.40ACB
05.1815.14ACB

21° MEDIUM



Luminous flux luminaire
839 lm (EXTREME CUT OFF)

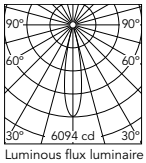
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6159	0.37
2	1540	0.74
3	684	1.11
4	385	1.48
5	247	1.84

2700K

E I On board dimmer
05.1811.40A
05.1811.14A
E I Dali 2
05.1811.40ADA
05.1811.14ADA
E I **Casambi Integrated
05.1811.40ACB
05.1811.14ACB

21° MEDIUM



Luminous flux luminaire
827 lm (EXTREME CUT OFF)

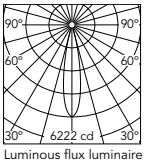
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6094	0.36
2	1523	0.73
3	677	1.09
4	381	1.45
5	244	1.81

3000K

E I On board dimmer
05.1816.40A
05.1816.14A
E I Dali 2
05.1816.40ADA
05.1816.14ADA
E I **Casambi Integrated
05.1816.40ACB
05.1816.14ACB

21° MEDIUM



Luminous flux luminaire
844 lm (EXTREME CUT OFF)

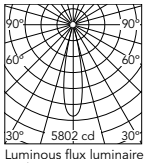
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6222	0.36
2	1555	0.73
3	692	1.09
4	389	1.45
5	249	1.81

2700K

E I On board dimmer
05.1812.40A
05.1812.14A
E I Dali 2
05.1812.40ADA
05.1812.14ADA
E I **Casambi Integrated
05.1812.40ACB
05.1812.14ACB

22° MEDIUM



Luminous flux luminaire
827 lm (EXTREME CUT OFF)

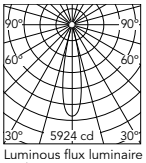
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5802	0.38
2	1451	0.76
3	645	1.14
4	363	1.52
5	232	1.91

3000K

E I On board dimmer
05.1817.40A
05.1817.14A
E I Dali 2
05.1817.40ADA
05.1817.14ADA
E I **Casambi Integrated
05.1817.40ACB
05.1817.14ACB

22° MEDIUM



Luminous flux luminaire
844 lm (EXTREME CUT OFF)

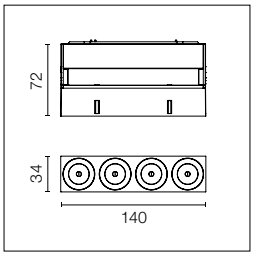
Beam Angle: 22°

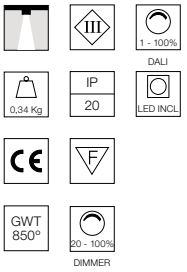
h(m)	E(lx)	D(m)
1	5924	0.38
2	1481	0.76
3	658	1.14
4	370	1.52
5	237	1.91

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Light Shadow

Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit 4 Scheinwerfern und geringer Blendung für den Einbau in das System The Running Magnet.
Elektronischer Stromwandler DC/DC, eingebaut.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen. zuwählen.

E= Außenfarbe
I= Innenfarbe

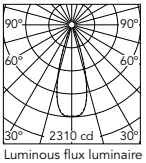
LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I On board dimmer
03.9625.40A
03.9625.14A
E I Dali 2
03.9625.40BDA
03.9625.14BDA
E I **Casambi Integrated
03.9625.40ACB
03.9625.14ACB

33° FLOOD



Luminous flux luminaire 741 lm (EXTREME CUT OFF)

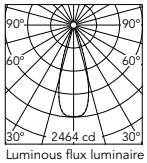
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I On board dimmer
03.9635.40A
03.9635.14A
E I Dali 2
03.9635.40BDA
03.9635.14BDA
E I **Casambi Integrated
03.9635.40ACB
03.9635.14ACB

33° FLOOD



Luminous flux luminaire 790 lm (EXTREME CUT OFF)

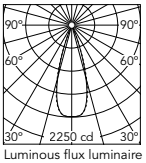
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

2700K

E I On board dimmer
03.9626.40A
03.9626.14A
E I Dali 2
03.9626.40BDA
03.9626.14BDA
E I **Casambi Integrated
03.9626.40ACB
03.9626.14ACB

33° FLOOD



Luminous flux luminaire 720 lm (EXTREME CUT OFF)

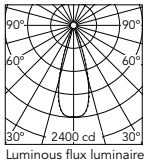
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2250	0.60
2	563	1.19
3	250	1.79
4	141	2.39
5	90	2.99

3000K

E I On board dimmer
03.9636.40A
03.9636.14A
E I Dali 2
03.9636.40BDA
03.9636.14BDA
E I **Casambi Integrated
03.9636.40ACB
03.9636.14ACB

33° FLOOD



Luminous flux luminaire 768 lm (EXTREME CUT OFF)

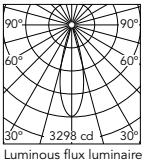
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2400	0.60
2	600	1.19
3	267	1.79
4	150	2.39
5	96	2.99

2700K

E I On board dimmer
05.1820.40A
05.1820.14A
E I Dali 2
05.1820.40ADA
05.1820.14ADA
E I **Casambi Integrated
05.1820.40ACB
05.1820.14ACB

29° FLOOD



Luminous flux luminaire 801 lm (EXTREME CUT OFF)

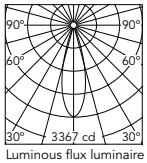
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	3298	0.51
2	824	1.02
3	366	1.53
4	206	2.05
5	132	2.56

3000K

E I On board dimmer
05.1825.40A
05.1825.14A
E I Dali 2
05.1825.40ADA
05.1825.14ADA
E I **Casambi Integrated
05.1825.40ACB
05.1825.14ACB

29° FLOOD



Luminous flux luminaire 818 lm (EXTREME CUT OFF)

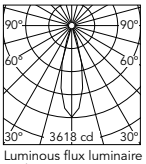
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	3367	0.51
2	842	1.02
3	374	1.53
4	210	2.05
5	135	2.56

2700K

E I On board dimmer
05.1821.40A
05.1821.14A
E I Dali 2
05.1821.40ADA
05.1821.14ADA
E I **Casambi Integrated
05.1821.40ACB
05.1821.14ACB

27° FLOOD



Luminous flux luminaire 841 lm (EXTREME CUT OFF)

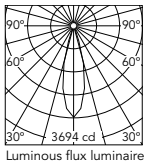
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	3618	0.48
2	904	0.96
3	402	1.43
4	226	1.91
5	145	2.39

3000K

E I On board dimmer
05.1826.40A
05.1826.14A
E I Dali 2
05.1826.40ADA
05.1826.14ADA
E I **Casambi Integrated
05.1826.40ACB
05.1826.14ACB

27° FLOOD



Luminous flux luminaire 859 lm (EXTREME CUT OFF)

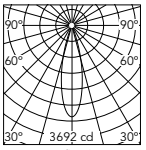
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	3694	0.48
2	923	0.96
3	411	1.43
4	231	1.91
5	148	2.39

2700K

E I On board dimmer
05.1822.40A
05.1822.14A
E I Dali 2
05.1822.40ADA
05.1822.14ADA
E I **Casambi Integrated
05.1822.40ACB
05.1822.14ACB

26° FLOOD



Luminous flux luminaire 809 lm (EXTREME CUT OFF)

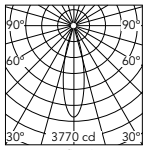
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	3692	0.46
2	923	0.92
3	410	1.39
4	231	1.85
5	148	2.31

3000K

E I On board dimmer
05.1827.40A
05.1827.14A
E I Dali 2
05.1827.40ADA
05.1827.14ADA
E I **Casambi Integrated
05.1827.40ACB
05.1827.14ACB

26° FLOOD



Luminous flux luminaire 826 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	3770	0.46
2	942	0.92
3	419	1.39
4	236	1.85
5	151	2.31

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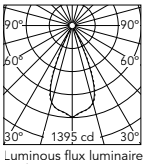
Optic Wide Flood
2700K

E I On board dimmer
03.9660.40A
03.9660.14A
E I Dali 2
03.9660.40BDA
03.9660.14BDA
E I **Casambi Integrated
03.9660.40ACB
03.9660.14ACB

47° WIDE FLOOD



Luminous flux luminaire
735 lm

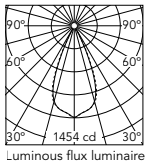
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Optic Wide Flood
3000K

E I On board dimmer
03.9664.40A
03.9664.14A
E I Dali 2
03.9664.40BDA
03.9664.14BDA
E I **Casambi Integrated
03.9664.40ACB
03.9664.14ACB

47° WIDE FLOOD



Luminous flux luminaire
780 lm

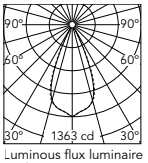
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

2700K

E I On board dimmer
03.9661.40A
03.9661.14A
E I Dali 2
03.9661.40BDA
03.9661.14BDA
E I **Casambi Integrated
03.9661.40ACB
03.9661.14ACB

47° WIDE FLOOD



Luminous flux luminaire
731 lm

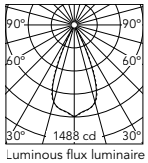
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

3000K

E I On board dimmer
03.9665.40A
03.9665.14A
E I Dali 2
03.9665.40BDA
03.9665.14BDA
E I **Casambi Integrated
03.9665.40ACB
03.9665.14ACB

47° WIDE FLOOD



Luminous flux luminaire
784 lm

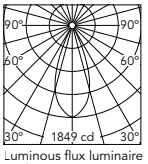
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

2700K

E I On board dimmer
05.1830.40A
05.1830.14A
E I Dali 2
05.1830.40ADA
05.1830.14ADA
E I **Casambi Integrated
05.1830.40ACB
05.1830.14ACB

41° WIDE FLOOD



Luminous flux luminaire
789 lm (EXTREME CUT OFF)

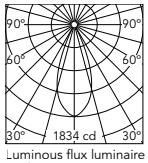
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1849	0.74
2	462	1.48
3	205	2.22
4	115	2.96
5	74	3.70

3000K

E I On board dimmer
05.1835.40A
05.1835.14A
E I Dali 2
05.1835.40ADA
05.1835.14ADA
E I **Casambi Integrated
05.1835.40ACB
05.1835.14ACB

41° WIDE FLOOD



Luminous flux luminaire
783 lm (EXTREME CUT OFF)

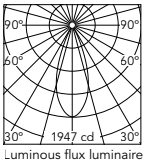
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1834	0.74
2	458	1.48
3	204	2.22
4	114	2.96
5	74	3.70

2700K

E I On board dimmer
05.1831.40A
05.1831.14A
E I Dali 2
05.1831.40ADA
05.1831.14ADA
E I **Casambi Integrated
05.1831.40ACB
05.1831.14ACB

38° WIDE FLOOD



Luminous flux luminaire
786 lm (EXTREME CUT OFF)

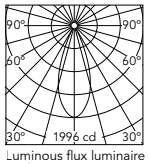
Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1947	0.70
2	487	1.39
3	216	2.09
4	122	2.78
5	78	3.48

3000K

E I On board dimmer
05.1836.40A
05.1836.14A
E I Dali 2
05.1836.40ADA
05.1836.14ADA
E I **Casambi Integrated
05.1836.40ACB
05.1836.14ACB

38° WIDE FLOOD



Luminous flux luminaire
806 lm (EXTREME CUT OFF)

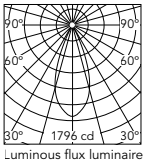
Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1996	0.70
2	499	1.39
3	222	2.09
4	125	2.78
5	80	3.48

2700K

E I On board dimmer
05.1832.40A
05.1832.14A
E I Dali 2
05.1832.40ADA
05.1832.14ADA
E I **Casambi Integrated
05.1832.40ACB
05.1832.14ACB

41° WIDE FLOOD



Luminous flux luminaire
767 lm (EXTREME CUT OFF)

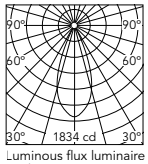
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1796	0.74
2	449	1.48
3	200	2.22
4	112	2.96
5	72	3.70

3000K

E I On board dimmer
05.1837.40A
05.1837.14A
E I Dali 2
05.1837.40ADA
05.1837.14ADA
E I **Casambi Integrated
05.1837.40ACB
05.1837.14ACB

41° WIDE FLOOD



Luminous flux luminaire
783 lm (EXTREME CUT OFF)

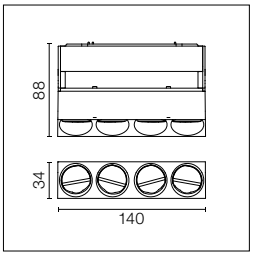
Beam Angle: 41°

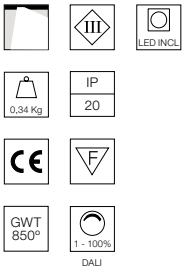
h(m)	E(lx)	D(m)
1	1834	0.74
2	458	1.48
3	204	2.22
4	115	2.96
5	73	3.70

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Light Shadow Wall-Washer

Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit 4 Scheinwerfern und geringer Blendung für den Einbau in das System The Running Magnet.
Elektronischer Stromwandler DC/DC, eingebaut.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

2700K

On board dimmer

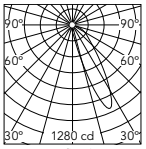
- 03.9905.40A
- 03.9905.14A

Dali 2

- 03.9905.40BDA
- 03.9905.14BDA

**Casambi Integrated

- 03.9905.40ACB
- 03.9905.14ACB



Luminous flux luminaire
690 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	978	0.50
2	244	0.99
3	109	1.49
4	61	1.99
5	39	2.48

3000K

On board dimmer

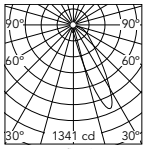
- 03.9904.40A
- 03.9904.14A

Dali 2

- 03.9904.40BDA
- 03.9904.14BDA

**Casambi Integrated

- 03.9904.40ACB
- 03.9904.14ACB



Luminous flux luminaire
762 lm (EXTREME CUT OFF)

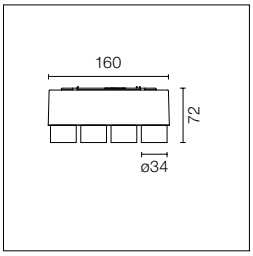
Beam Angle: 22°

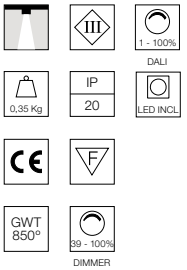
h(m)	E(lx)	D(m)
1	1033	0.50
2	258	0.99
3	115	1.49
4	65	1.98
5	41	2.48

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Multi Spot 4

Power LED 10W - 840 lm - 2700K/CRI 90 / 896 lm - 3000K/CRI 90





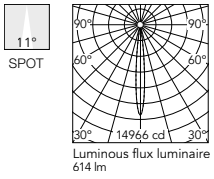
LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Siehe erhältliches Zubehör.

Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

See available accessories.

2700K
On board dimmer
03.6305.14C
Dali 2
03.6305.14CDA
**Casambi Integrated
03.6305.14CCB

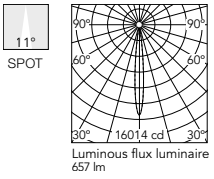


Luminous flux luminaire
614 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	14966	0.19
2	3742	0.38
3	1663	0.57
4	935	0.76
5	599	0.94

3000K
On board dimmer
03.6306.14C
Dali 2
03.6306.14CDA
**Casambi Integrated
03.6306.14CCB



Luminous flux luminaire
657 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	16014	0.19
2	4004	0.38
3	1779	0.57
4	1001	0.76
5	641	0.94

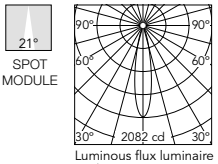
Zubehör / Accessories

Spot Module & Multi Spot 4

Linse frosted medium.
Optik-Zubehör medium.

Frosted medium lens.
Medium lens accessory.

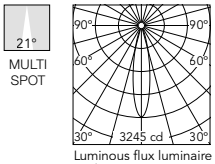
08.8760.00



Luminous flux luminaire
381 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2082	0.36
2	520	0.73
3	231	1.09
4	130	1.46
5	83	1.82



Luminous flux luminaire
611 lm (EXTREME CUT OFF)

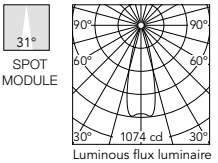
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	3245	0.37
2	811	0.75
3	361	1.12
4	203	1.50
5	130	1.87

Linse frosted flood.
Optik-Zubehör flood.

Frosted flood lens.
Flood lens accessory.

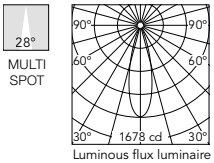
08.8761.00



Luminous flux luminaire
356 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	1074	0.55
2	269	1.09
3	119	1.64
4	67	2.19
5	43	2.73



Luminous flux luminaire
451 lm (EXTREME CUT OFF)

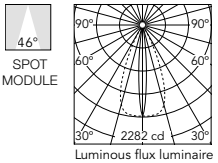
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1678	0.50
2	420	1.00
3	186	1.51
4	105	2.01
5	67	2.51

Elliptische linse.

Elliptical lens.

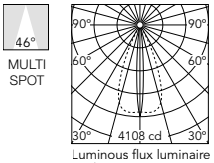
08.8759.00



Luminous flux luminaire
419 lm

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	2282	0.17
2	571	0.34
3	254	0.51
4	143	0.68
5	91	0.85



Luminous flux luminaire
756 lm (EXTREME CUT OFF)

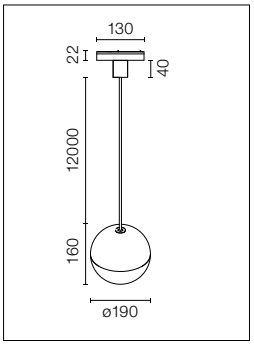
Beam Angle: 46°

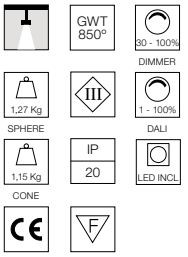
h(m)	E(lx)	D(m)
1	4108	0.15
2	1027	0.30
3	456	0.44
4	257	0.59
5	164	0.74

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

String Light Sphere

Power LED 14W - 930 lm - 2700K/CRI 90 / 14W - 930 lm - 3000K/CRI 90





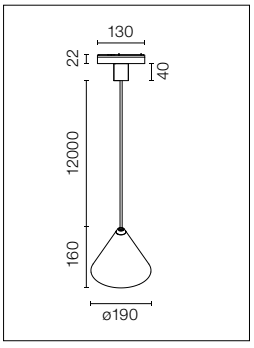
LED-Modul für allgemeine Beleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI:
Maximal 9 Spots auf einen Driver.

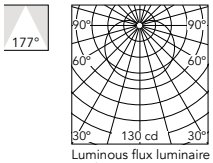
General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 9 spots for a single driver.

String Light Cone



String Light Sphere 2700K
On board dimmer
■ 03.6295.14A
Dali 2
■ 03.6295.14ADA
**Casambi Integrated
■ 03.6295.14ACB

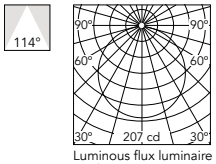


Luminous flux luminaire
800 lm

Beam Angle: 177°

h(m)	E(lx)	D(m)
1	130	75.06
2	32	150.12
3	14	225.19
4	8	300.25
5	5	375.31

String Light Cone 2700K
On board dimmer
■ 03.6297.14A
Dali 2
■ 03.6297.14ADA
**Casambi Integrated
■ 03.6297.14ACB

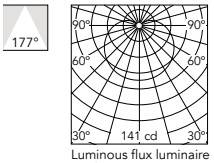


Luminous flux luminaire
604 lm

Beam Angle: 114°

h(m)	E(lx)	D(m)
1	207	3.08
2	52	6.16
3	23	9.24
4	13	12.32
5	8	15.40

String Light Sphere 3000K
On board dimmer
■ 03.6296.14A
Dali 2
■ 03.6296.14ADA
**Casambi Integrated
■ 03.6296.14ACB

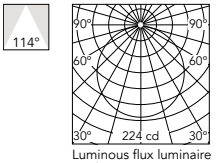


Luminous flux luminaire
866 lm

Beam Angle: 177°

h(m)	E(lx)	D(m)
1	140	75.06
2	35	150.12
3	16	225.19
4	9	300.25
5	6	375.31

String Light Cone 3000K
On board dimmer
■ 03.6298.14A
Dali 2
■ 03.6298.14ADA
**Casambi Integrated
■ 03.6298.14ACB



Luminous flux luminaire
653 lm

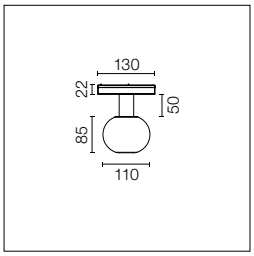
Beam Angle: 114°

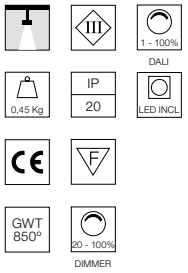
h(m)	E(lx)	D(m)
1	224	3.08
2	56	6.16
3	25	9.24
4	14	12.32
5	9	15.40

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Mini Glo-Ball

Power LED 7W - 800 lm - 2700K/CRI 80 / 7W - 880 lm - 3000K/CRI 80





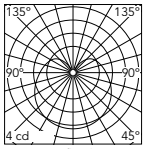
LED-Modul für allgemeine Beleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI:
Maximal 21 Spots auf einen driver.
Spot Module DALI:
Maximal 14 Spots auf einen driver.

General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

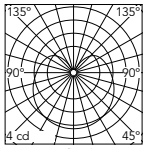
Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

2700K
On board dimmer
■ 03.6260.14B
Dali 2
■ 03.6260.14ADA
*Casambi Integrated
■ 03.6260.14.CB



Luminous flux luminaire
446 lm

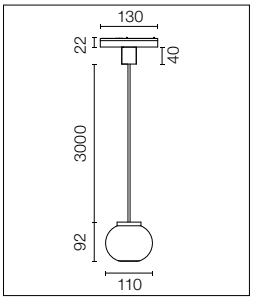
3000K
On board dimmer
■ 03.6261.14B
Dali 2
■ 03.6261.14ADA
*Casambi Integrated
■ 03.6261.14.CB

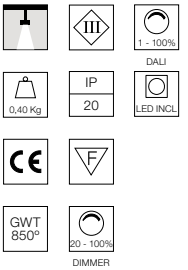


Luminous flux luminaire
508 lm

Mini Glo-Ball S

Power LED 3,5W - 400 lm - 2700K/CRI 80 / 3,5W - 440 lm - 3000K/CRI 80





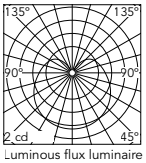
LED-Modul für allgemeine Beleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI:
Maximal 21 Spots auf einen driver.
Spot Module DALI:
Maximal 14 Spots auf einen driver.

General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

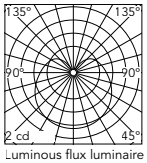
Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

2700K
On board dimmer
■ 03.6262.14B
Dali 2
■ 03.6262.14ADA
**Casambi Integrated
■ 03.6262.14.CB



Luminous flux luminaire
258 lm

3000K
On board dimmer
■ 03.6263.14B
Dali 2
■ 03.6263.14ADA
**Casambi Integrated
■ 03.6263.14.CB

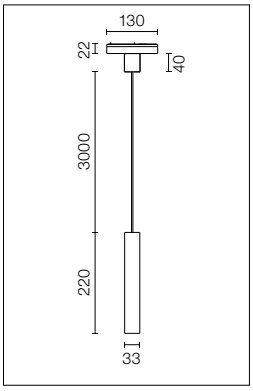


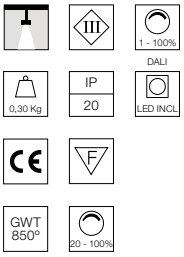
Luminous flux luminaire
271 lm

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Find Me 1 Suspension

Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Running Magnet. Elektronischer DC/DC-Wandler enthalten.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Spot Module No DALI:
Maximal 21 Spots auf einen driver.
Spot Module DALI:
Maximal 14 Spots auf einen driver.

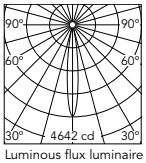
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

2700K
On board dimmer
- 03.6272.30D
- 03.6272.05D
- 03.6272.14D

Dali 2
- 03.6272.30EDA
- 03.6272.05EDA
- 03.6272.14EDA

**Casambi Integrated
- 03.6272.30DCB
- 03.6272.05DCB
- 03.6272.14DCB



Luminous flux luminaire
344 lm (EXTREME CUT OFF)

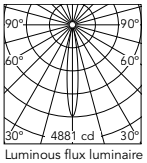
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K
On board dimmer
- 03.6273.30D
- 03.6273.05D
- 03.6273.14D

Dali 2
- 03.6273.30EDA
- 03.6273.05EDA
- 03.6273.14EDA

**Casambi Integrated
- 03.6273.30DCB
- 03.6273.05DCB
- 03.6273.14DCB



Luminous flux luminaire
365 lm (EXTREME CUT OFF)

Beam Angle: 14°

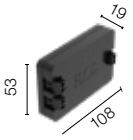
h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Steuereinheit / Control Units

Drahtlose Dimmerbrücke. Von 1-10V bis Casambi. Zur Remote-Installation. Siehe Produktspezifikationen im Flos Control-Handbuch. Akkreditiert als Aktuar als Lutron-Amerikaner bei Casambi.

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

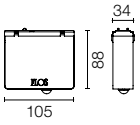


DIM 1-10V >> Casambi
08.0824.14

Multifunction Smart Device

Multifunktionales Smart Device. Dreifachfunktionalität 3x1: Casambi Signalverstärker, Lichtsensor und Präsenzmelder.
FLOS Control® by Casambi.

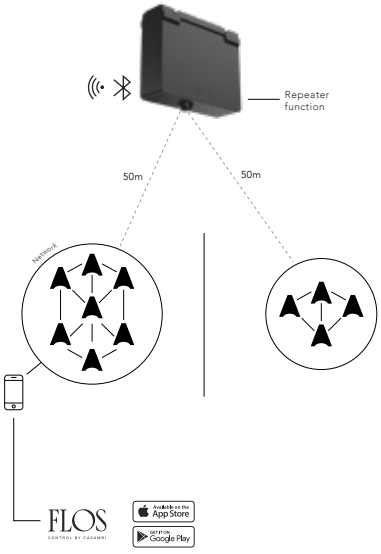
Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.



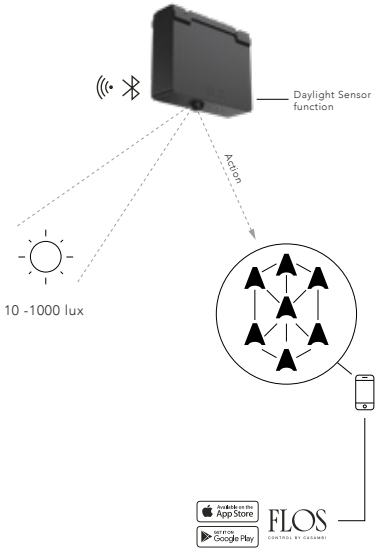
06.1987.40
06.1987.14

Multifunction Smart Device. Triple Functionality 3x1

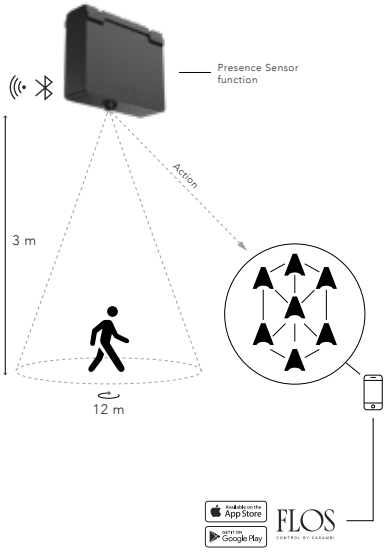
Repeater



Daylight Sensor

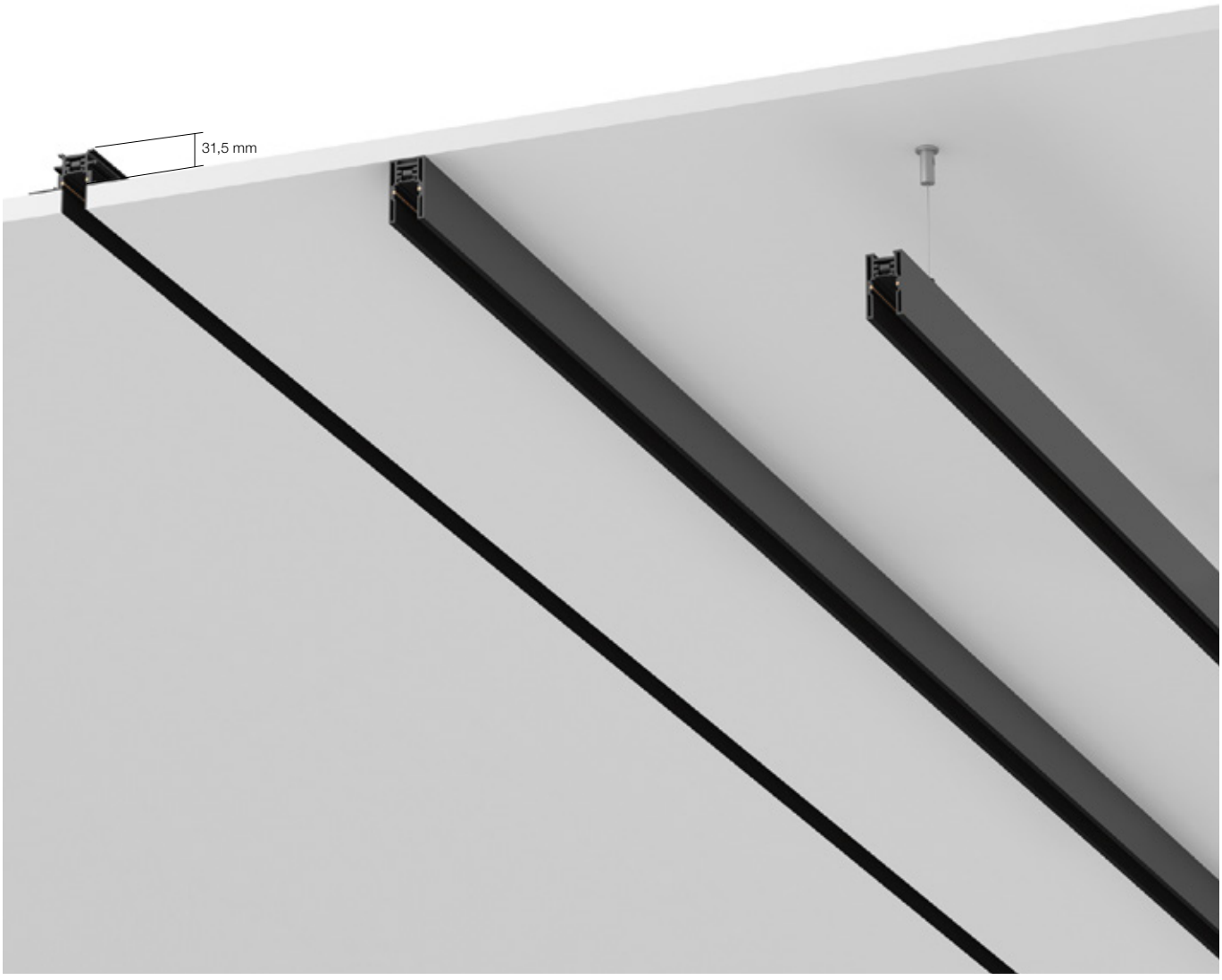


Presence Sensor



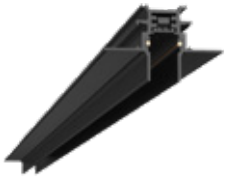
▲ Casambi object

RECESSED SURFACE SUSPENSION
UP&DOWN/DOWN



Recessed Profiles
- 14 Schwarz
  14 Black

Surface/Suspension Profiles
- 14 Schwarz
  14 Black
- 40 Weiss
  40 White
- 05 Polished Silver
  05 Polished Silver



Surface Flos Kit Installation

Recessed Flos Kit Installation

Recessed Conventional Installation

Anthony Spot

Produktbeschreibung
Überarbeitetes Beleuchtungssystem für den Innenbereich für Aufputz-, Pendel- oder Einbauinstallationen in Wänden/Decken aus Gipskarton.
Mit den neuen Angebot geht FLOS neben der bekannten Version “On Board Dimmer” einen Schritt weiter und präsentiert Profile und Leuchten, die mit verschiedenen Fernsteuerungssystemen gesteuert werden können: DALI, 1-10V und Casambi.
Es gibt drei Profilversionen (vertieft, Oberfläche/Aufhängung und Up&Down), alle aus extrudiertem Aluminium mit einer max. Länge von 3 m in Weiß, Schwarz oder poliertem Aluminium, ausgestattet mit elektrischen Schienen, die mit 48 V versorgt werden.
Darüber hinaus sind die systemgesteuerten Versionen (DALI, 1-10V) mit einem Datenbus aus Graphit zur Regulierung ausgestattet. Die Leuchten werden mit einem magnetischen Befestigungssystem montiert.
Die Produktgruppe Tracking Magnet wird durch Module mit Umgebungs- und Akzentbeleuchtung in verschiedener Optik ergänzt. Die Lichtmodule verfügen über einen eingebauten Potentiometer und je nach Wunsch über DALI-, 1-10V- oder Casambi-Lichtsteuerung.

Steuerung
- Für Leuchtmontagen mit Dimmer “On Board Dimmer” und FLOS-Steuerung ist das Profil in der Version “On Board Dimmer” zu verwenden. DALI- und 1-10V-Leuchten sind nur mit den Profilversionen DALI und 1-10V kompatibel. Casambi-Leuchten sind mit allen Profilen kompatibel.
- Für die Steuerung mittels DALI-Protokoll muss der Steuerdatenbus direkt mit dem Profil verbunden werden.
- Für die Steuerung mittels 1-10V muss das Steuerungssystem aktiviert sein (SOURCE, die Steuerung erzeugt das Spannungssignal) und der Steuerdatenbus muss direkt mit dem Profil verbunden werden. Wenn es sich um eine passive Steuerung handelt (SINK), ist die Einheit Control Dimming Box erforderlich (diese befindet sich zwischen der Steuereinheit und der Schiene), die separat im Abschnitt Zubehör bestellt werden muss. Beim Steuerungssystem 1-10V werden alle Leuchten gleichzeitig geregelt (als Block oder Broadcast).
- Für die Steuerung mittels Casambi (max. 200 Leuchten) müssen Casambi-Leuchten bestellt werden, diese sind mit allen für das System verfügbaren Profilen kompatibel.
Für Mobilgeräte ist die app FLOS Control® powered by Casambi erforderlich (erhältlich im Apple Store und auf Google Play).
Maximale Anzahl der Schienenverbindungen, um die Signalübermittlung von DALI oder 1-10V zu gewährleisten, beträgt 20 Verbindungen, einschließlich der Schnitte, oder 20 Meter.
Maximale Anzahl der Schienenschnitte, um die Signalübermittlung von DALI oder 1-10V zu gewährleisten, beträgt 7 Schnitte.
Die UP&DOWN-Version verfügt über eine kompatible DALI-Schnittstelle zur Steuerung der indirekten Beleuchtung. Da es sich um eine kompatible DALI-Komponente handelt, beachten Sie bitte, dass diese nicht auf erweiterte Funktionen des DALI-Protokolls reagieren kann. Weitere Informationen erhalten Sie im Abschnitt der technischen Spezifikationen auf der Website von Flos.
Die UP&DOWN-Version kann separat per DALI gesteuert werden.
Mit “Btcino My Home” kompatibel (Front Office um Beratung fragen).

Einspeisung
Fern-Netzteil 48V nicht enthalten.

Zubehör
Für das Beleuchtungsmodul Anthony Spot gibt es elyptische Linsen, Flood-Linsen (für die Verwendung mit Anthony Spot Medium) und Schirmelemente.
Für die Beleuchtungsmodule Spot Tracking schließt das Produkt die Zubehörteile Honeycomb und Schirmkreuz ein, bis auf das Chrom-Finish.
Die Aufhängeausführungen bieten zwei Aufhangsysteme an, die getrennt bestellt werden müssen: Starre Stangen zur Vermeidung einer Neigung des Profils (geradlinige Strukturen ohne Winkel oder für Installationen, bei denen ein starreres Befestigungssystem erforderlich ist; auch wird ein Stahlkabel empfohlen, wenn ein Winkel in der Struktur enthalten ist, bei der auf keinen Fall eine Neigung eintritt.

Zusatzinformationen
Recessed Version ausschließlich zur Installation auf 12.5mm dicken Gipskarton Oberflächen.
The Tracking Magnet ist eine mit 48 V gespeiste elektrische Anlage, deren Maximalstrom zur Vorbeugung gegen Überlast auf 8A - 48Vdc beschränkt ist.
Maximale Länge mit einem einzigen Netzteil: 20 m.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Renewed indoor lighting system for surface, suspended and recessed in plasterboard wall/ceiling installation.
In the new proposal, beside the successful “On Board Dimmer” version, FLOS goes one step beyond, launching both track and luminaries designed for system management in a variety of options: DALI, 1-10V and Casambi.
There are three profile versions (recessed, surface/suspension and Up&Down), all manufactured with aluminium profiling of a maximum of 3m extruded in white, black or polished aluminium, provided with electric tracks powered at 48V.
Furthermore, the system controlled versions (DALI, 1-10V) are equipped with graphite data bus for regulation.
Luminaires are installed through a magnetic fixing system.
The Tracking Magnet product group is complemented with ambient and accent lighting modules, with different optics. The light fixtures are available with potentiometer incorporated, dimmable DALI, 1-10V or Casambi for remote setting.

Control
- For installation of “On Board Dimmer” fixtures use “On Board Dimmer” track version. Luminaries DALI and 1-10V are only compatible with track DALI, 1-10V.
Casambi luminaires can be installed on all profiles available in the system.
- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- For the 1-10V management, the control system needs to be active (SOURCE, the controller generates the power signal) and the control data bus needs to be directly connected to the profile. If the controller is passive (SINK), the Control Dimming box unit will be necessary. It is located between the control unit and the track, and it must be ordered separately from the accessories department. In the 1-10V management system, all luminaries are dimmed at the same time (as a block or broadcast).
- For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version, these are compatible with all profiles available in the system.
For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play).
Maximum number of track interconnections to guarantee the communication of the DALI or 1-10V signal: 20 interconnections including cuts, or 20 meters. Maximum number of track cuts to guarantee the communication of the DALI or 1-10V signal: 7 cuts.
The UP&DOWN version has a compatible DALI interface for controlling indirect lighting. Please note that since it is a DALI compatible component, it may not respond to advanced DALI protocol functions. For more information, see the technical specifications section on the Flos website.
The UP&DOWN version can be controlled independently via DALI.
Compatible with “BTcino My home” (please consult Front Office).

Power Supply
Remote 48V power supply not included.

Accessories
For the Anthony Spot lighting module there are elliptical, flood lenses (to be used with Anthony Spot Medium) and screening elements.
For the Spot tracking lighting modules, the honeycomb and screening crossbrace accessories are incorporated in the product, except for the chrome finish.
The Suspension versions offer two suspension systems that must be ordered separately: rigid bars to stop the profile tilting (straight structures with no corners) or for installations requiring a more rigid fixture system, and steel cable, recommended if a corner is included in the structure, where the tilt will not appear in any case.

Additional Information
Recessed version only to be installed in 12.5mm thick plasterboard surfaces.
The Tracking Magnet is a 48V electrical system limited to a maximum power current of 8A - 48Vdc to avoid overloads.
Maximum length with a single power source is 20 m.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

LIGHT MODULES

LIGHT STRIPE

LIGHT SOURCE
TOP LED
20W/m
1859 lm/m
2700K/CRI 90
1967 lm/m
3000K/CRI 90

SPOT 50

LIGHT SOURCE
POWER LED
3,5W
286 lm
2700K/CRI 90
307 lm
3000K/CRI 90

SPOT 90

LIGHT SOURCE
POWER LED
8,5W
610 lm
2700K/CRI 90
656 lm
3000K/CRI 90

SPOT 120

LIGHT SOURCE
POWER LED
12W
724 lm
2700K/CRI 90
779 lm
3000K/CRI 90

SPOT 120

LIGHT SOURCE
LED ARRAY
12,5W
1075 lm
2700K/CRI 90
1138 lm
3000K/CRI 90

SPOT 150

LIGHT SOURCE
LED ARRAY
22,5W
2411 lm
2700K/CRI 90
2569 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4,5W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
10W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 60

LIGHT SOURCE
LED ARRAY
Up to 20W
Up to 1563 lm
2700K/CRI 90
Up to 1751 lm
3000K/CRI 90

ANTHONY SPOT TRACK

LIGHT SOURCE
LED ARRAY
16,5W
1620 lm
2700K/CRI 90
1730 lm
3000K/CRI 90

WALLEE

LIGHT SOURCE
TOP LED
10W
773 lm
2700K/CRI 90
818 lm
3000K/CRI 90

MULTI SPOT MINI

LIGHT SOURCE
TOP LED
7,5W
635 lm
2700K/CRI 90
650 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE

FLOS CONTROL®
by Casambi

Light Stripe

14 Schwarz
14 Black

Spot

40 Weiss
40 White

05 Polished Silver
05 Polished Silver

14 Schwarz
14 Black

Light Shadow Spot

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

Anthony Spot Track

40 Weiss
40 White

05 Polished Silver
05 Polished Silver

14 Schwarz
14 Black

Walee

40 Weiss
40 White

14 Schwarz
14 Black

Multi Spot Mini

40 Weiss
40 White

14 Schwarz
14 Black

Multifunction Smart Device

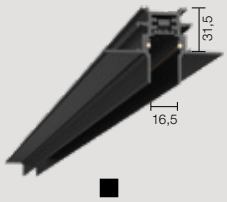
40 Weiss
40 White

14 Schwarz
14 Black

HOW TO ORDER

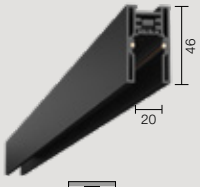
1 CHOOSE YOUR PROFILE AND LENGTH

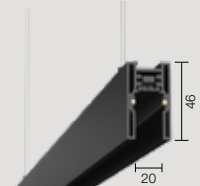
RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

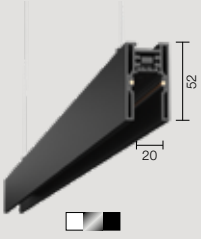
SURFACE / SUSPENSION DOWN PROFILE





L: 1 / 1,5 / 2 / 2,5 / 3 m

SUSPENSION UP&DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector

End cap

Intermediate connectors

Straight
Flexible/Electrical corner

90° Corner

mechanical joint

Inner corner

mechanical joint

Outer corner

mechanical joint

Accessories

Fixed ceiling kit

or

Adjustable ceiling kit

Surface Installation

Inner corner

mechanical joint

Surface / Suspension Down Installation

Feed connector

End cap

Intermediate connectors

Straight
Flexible/Electrical corner

90° Corner

electrical & mechanical joint

Surface Accessories

Kit surface bracket

Suspension Down Accessories

Kit suspension bracket

Intermediate suspension kit

Surface rose

or
Recessed rose

Power cable

Rigid rod

or
Suspension cable

Feed unit kit

Intermediate connectors

Straight
Flexible/Electrical corner

End cap

90° Corner

mechanical joint

Accessories

Intermediate suspension kit

Surface rose

or
Recessed rose

Rigid rod

or
Suspension cable

3 SELECT POWER SUPPLY AND CONTROL OPTION

(select the driver with the appropriate power according to the needs of your project)

Remote power supply
Profiles: Recessed, Surface & Suspension Down

On board dimmer / Casambi / Dali

185W *or* 320W

1-10V

185W *or* 320W

+

1-10V control box

(needed only to transform sink into source control signal)

Remote power supply
Profile: Suspension Up & Down

On board dimmer / Casambi

185W *or* 320W

Dali

185W *or* 320W

+

DALI Push

Up Control

1-10V

185W *or* 320W

+

1-10V Push

+

1-10V control box

(needed only to transform sink into source control signal)

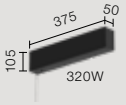
Up Control **Down Control**

Surface power supply

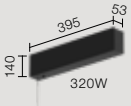
On board dimmer / Casambi / Dali / *1-10V

*(only for 1-10V source signal)

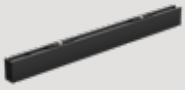
Profile: Suspension Down



Profile: Suspension Up & Down



Profile: Surface



4 SELECT A LIGHT MODULE AND CONTROL OPTION

Dali / 1-10V / Casambi / On board dimmer

Light Stripe

General lighting

Multi Spot Mini

S/M/F

Spot 50

M

Spot 90

S/M

Spot 120

S/M/F

Spot 150

S/M/F

Light Shadow Spot 30

S/M/F/WF

Light Shadow Spot 45

S/M/F

Light Shadow Spot 60

SS/S/M/F/WF

Anthony Spot Track

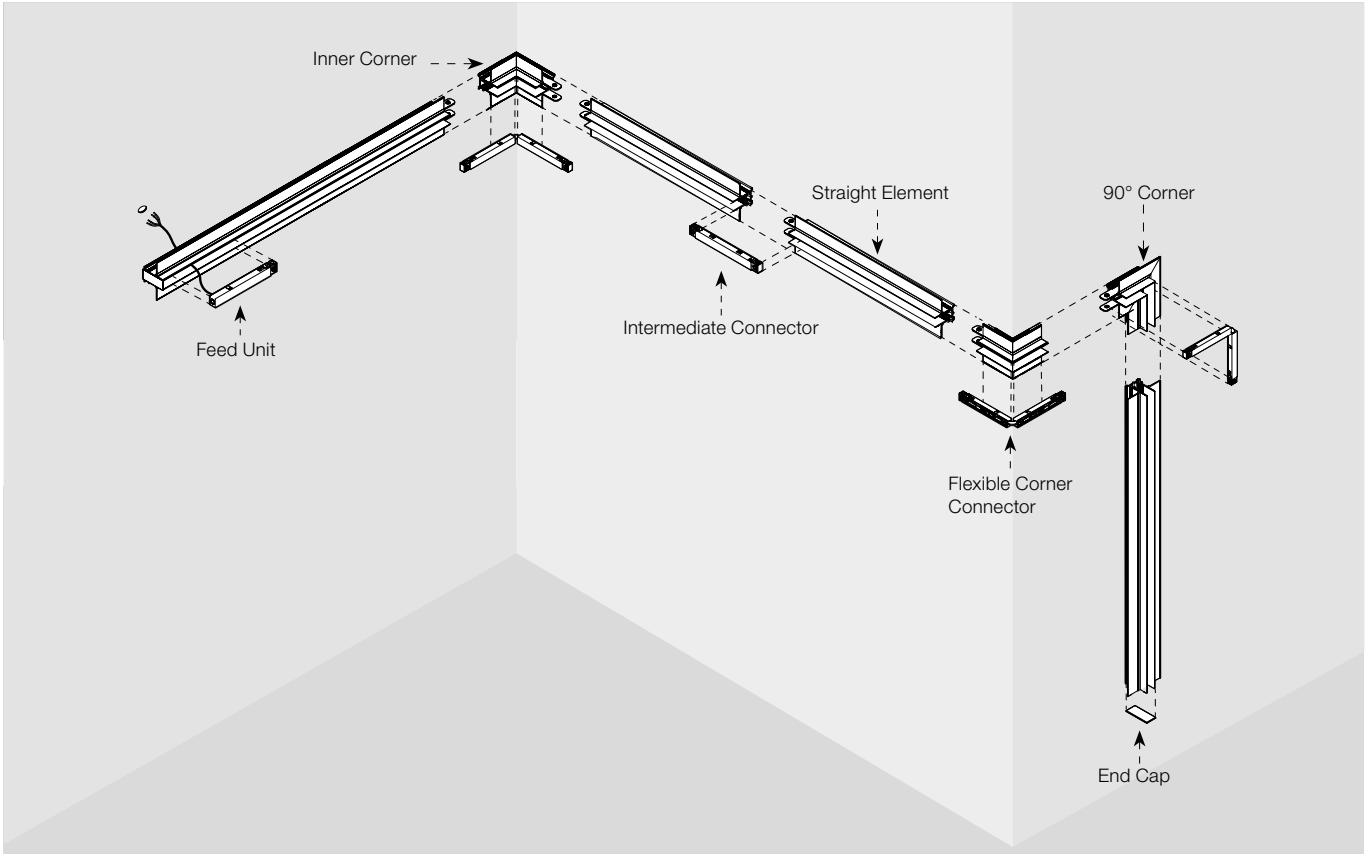
S/M

Wallee

General lighting

Multifunction Smart Device
FLOS Control® by Casambi

RECESSED INSTALLATION

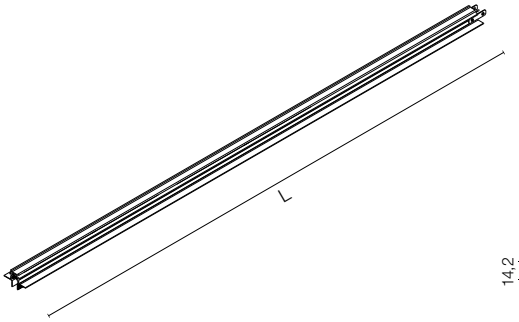


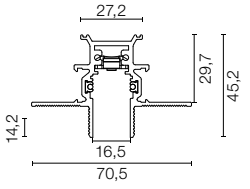
Profile

Elektromechanische Profile für den Einbau in Gipskartondecken und -wänden mit einer Länge von 1m bis 3m.
Kompatible Version mit „On Board Dimmer"-Leuchten und Casambi verfügbar. Kompatible Version mit steuerbaren Leuchten wie DALI und 1-10V. Gemeinsame Ecken-, Verbinderelemente und Zubehör für beide Schienenversionen.
Netzanschluss, Zwischenstecker und Abdeckungen sind separat zu bestellen. Mechanische 90°-Ecken verfügbar auf derselben Ebene (symmetrisches Element für die linke und rechte Ecke), symmetrische 90°-Innen- und Außenecken auf verschiedenen Ebenen.
Zwischenstecker sind separat zu bestellen, um die elektrische Kontinuität in den Ecken zu gewährleisten. In den Ecken können keine Spots angebracht werden.
Befestigungsbausätze für fixierte oder verstellbare Modelle sind erhältlich (optional). Die Bausätze für die Deckenbefestigung ermöglichen die Installation ohne Aluminium-Befestigungsprofile. Empfohlen für Installationen, bei denen das Profil Tracking Magnet vor dem Einbau der Gipskartonplatte verlegt kann.

Profiles

Electromechanical profile for recessed installation in plasterboard ceilings and walls, available in lengths from 1m to 3m.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems. Corners, connectors and accessories common for the two profile versions.
Feed connector, intermediated connector and end-caps to be ordered separately.
Mechanical 90° corners available in the same plane (symmetrical element for left and right corners), symmetrical 90° inner and outer corners in different planes.
Intermediate connectors to be ordered separately if electrical continuity on corners is required.
Corners do not admit installation of spots.
Fixed or adjustable fastening kits available (optional). The fastening kits for the roof permit installing without using aluminimum fastening profiles.
Recommended for installations where the Tracking Magnet can be installed before the suspended plasterboard ceiling.





On board dimmer / Casambi	DALI / 1-10V / Casambi
L: 1000 mm	L: 1000 mm
06.5050.14	06.5040.14
L: 1500 mm	L: 1500 mm
06.5051.14	06.5041.14
L: 2000 mm	L: 2000 mm
06.5052.14	06.5042.14
L: 2500 mm	L: 2500 mm
06.5053.14	06.5043.14
L: 3000 mm	L: 3000 mm
06.5054.14	06.5044.14

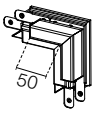
Mechanischer Winkel 90°.
Für die Herstellung elektrischer Kontinuität, zusammen mit dem biegsamen Zwischenschalter bestellen.

90° mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

06.5045.14

Mechanischer Innenwinkel.
Für die Herstellung elektrischer Kontinuität, zusammen mit dem biegsamen Zwischenschalter bestellen.

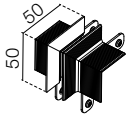
Inner mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.



06.5046.14

Mechanischer Außenwinkel.
Für die Herstellung elektrischer Kontinuität, zusammen mit dem biegsamen Zwischenschalter bestellen.

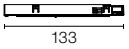
Outer mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.



06.5047.14

Versorgungsanschluss.

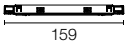
Feed connector.



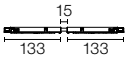
08.0611.14

Mittlerer Verbinder.

Intermediate connector.



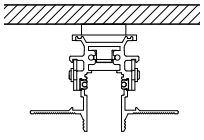
Straight
08.0612.14



Flexible/Electrical corner
08.0614.14

Befestigungssatz feste decke (fakultativ). Set mit 2 stück.

Fixed ceiling kit (optional).
2 unit kit.

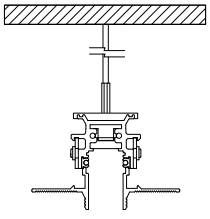


08.8866.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Befestigungssatz an absenkbare decke (fakultativ). Set mit 2 stück.

Adjustable ceiling kit (optional).
2 unit kit.



08.8867.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Endkappe. Muss separat bestellt werden. Set mit 2 stück.

End caps. To be ordered separately.
2 unit kit.

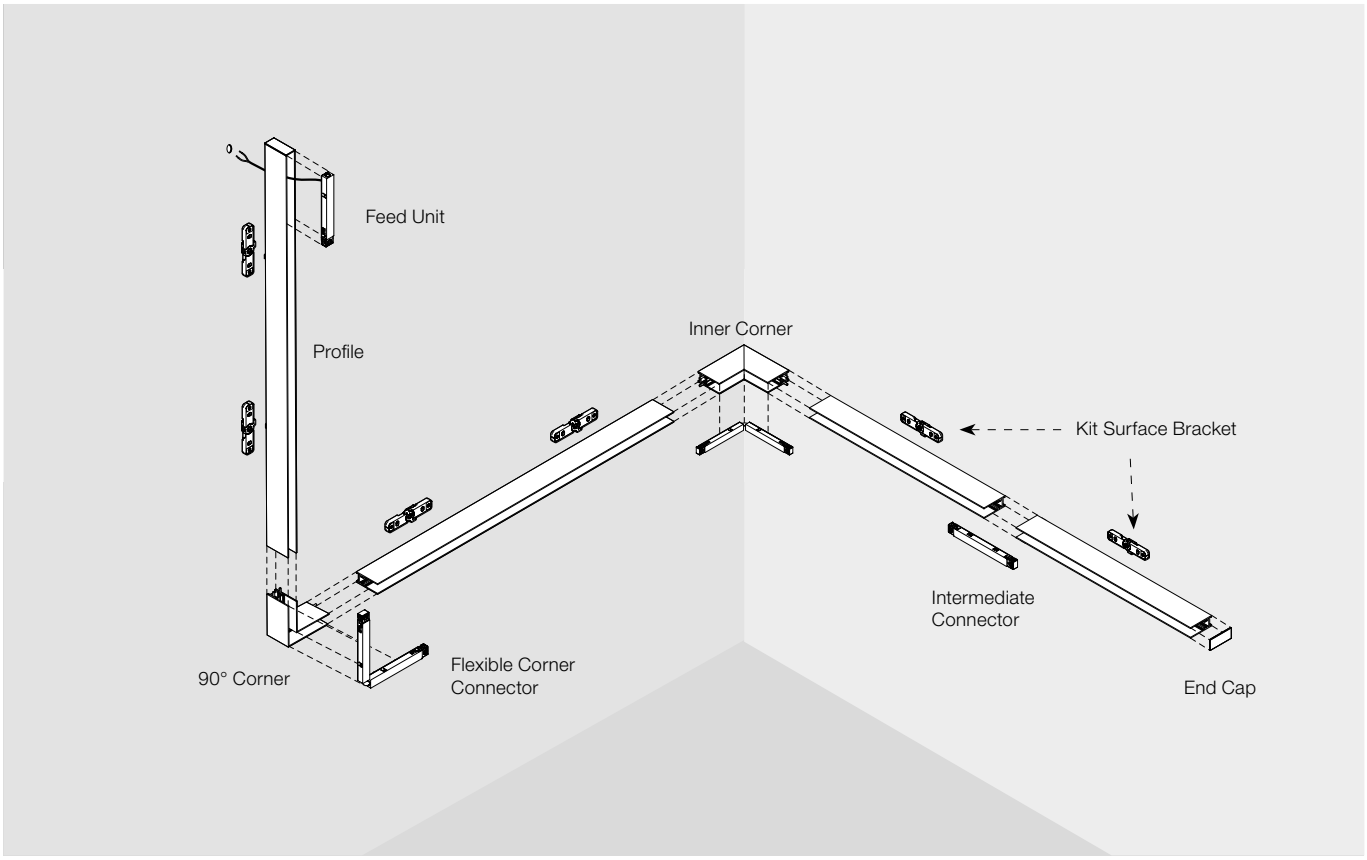
06.5008.14

Treiber / Drivers

Geteiltes Datenblatt mit der Aufputz-Version. Siehe nächste Seite.
References shared with surface version. Please see next page.

Remote Drivers

SURFACE INSTALLATION

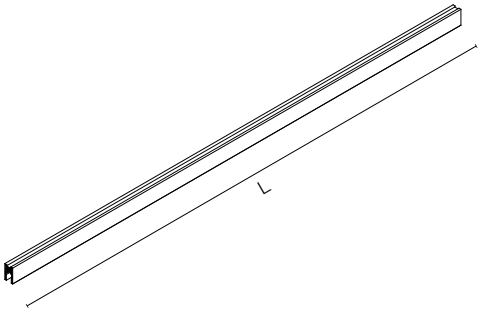


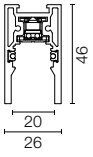
Profile

Elektromechanische Profile für Aufputzmontage oder zum Aufhängen mit einer Länge von 1m bis 3m.
Kompatible Version mit „On Board Dimmer"-Leuchten und Casambi verfügbar. Kompatible Version mit steuerbaren Leuchten wie DALI und 1-10V. Gemeinsame Ecken-, Verbinderelemente und Zubehör für beide Schienenversionen.
Netzanschluss, Zwischenstecker und Abdeckungen sind separat zu bestellen. Mechanische 90°-Ecken verfügbar auf derselben Ebene (symmetrisches Element für die linke und rechte Ecke), symmetrische 90°-Innen- und Außenecken auf verschiedenen Ebenen.
Zwischenstecker sind separat zu bestellen, um die elektrische Kontinuität in den Ecken zu gewährleisten.
In den Ecken können keine Spots angebracht werden.

Profiles

Electromechanical profile for surface-mounting, available in lengths from 1m to 3m.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems. Corners, connectors and accessories common for the two profile versions.
Feed connector, intermediated connector, end-caps and attachment accessories to be ordered separately.
Mechanical 90° corners available in the same plane (symmetrical element for left and right corner) and 90° symmetrical internal corners in a different plane. Intermediate connectors to be ordered separately if electrical continuity on corners is required.
Corners do not admit installation of spots.





L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

On board dimmer / Casambi	DALI / 1-10V / Casambi
L: 1000 mm	L: 1000 mm
06.5060.40	06.5010.40
06.5060.05	06.5010.05
06.5060.14	06.5010.14
L: 1500 mm	L: 1500 mm
06.5061.40	06.5011.40
06.5061.05	06.5011.05
06.5061.14	06.5011.14
L: 2000 mm	L: 2000 mm
06.5062.40	06.5012.40
06.5062.05	06.5012.05
06.5062.14	06.5012.14
L: 2500 mm	L: 2500 mm
06.5063.40	06.5013.40
06.5063.05	06.5013.05
06.5063.14	06.5013.14
L: 3000 mm	L: 3000 mm
06.5064.40	06.5014.40
06.5064.14	06.5014.14

THE TRACKING MAGNET SURFACE/SUSPENSION — PROFILES

Aufputz-Halterungs-Kit.

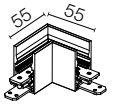
Kit Surface Bracket.

Surface
08.0615.00

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500 / 2000	2	1
2500	3	2
3000	4	2

Mechanischer Winkel 90°.
Für die Herstellung elektrischer Kontinuität, zusammen mit dem biegsamen Zwischenschalter bestellen.

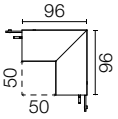
90° mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.



06.5015.40
06.5015.05
06.5015.14

Innenwinkel.
Nur für die Surface-Ausführung.

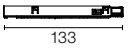
Inner mechanical corner.
Only for surface version.



06.5016.40
06.5016.05
06.5016.14

Versorgungsanschluss.

Feed connector.

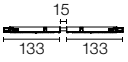


08.0611.14

Mittlerer Verbinder.

Intermediate connector.

Straight
08.0612.14



Flexible/Electrical corner
08.0614.14

Endkappe. Muss separat bestellt werden. Set mit 2 stück.

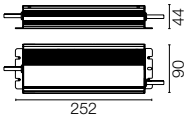
End caps. To be ordered separately. 2 unit kit.

06.5017.40
06.5017.05A
06.5017.14

Treiber / Drivers

LED-Netzteil für Ferninstallation 48V/320W. 100/240 Vac.

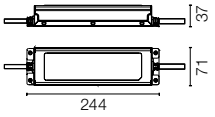
LED power supply source for remote installation, 48V/320W. 100/240 Vac.



*60.8919

LED-Netzteil für Ferninstallation 110Vac-135W / 220Vac-200W.

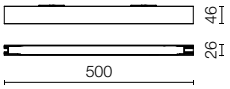
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.



*60.9607

Oberflächenprofil mit Stromversorgung. 48V/250W. 220-240 Vac.

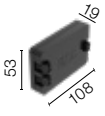
Power Supply Surface Profile. 48V/250W. 220-240 Vac.



06.5096.40
06.5096.14

Dimmbares Steuergerät 1-10 V, 24/48 V. Für die Ferninstallation. Um passive Systeme (SINK) in aktive (SOURCE) umzuwandeln. Muss zwischen Steuereinheit und Schiene angebracht werden. Wichtiger Hinweis: Höchstens 25 Lichtmodule.

Control dimming box, 1-10V, 24/48V. For remote installation. For transforming passive systems (SINK) into active systems (SOURCE). It must be positioned between the control unit and the track. Important note: Maximum of 25 light modules.



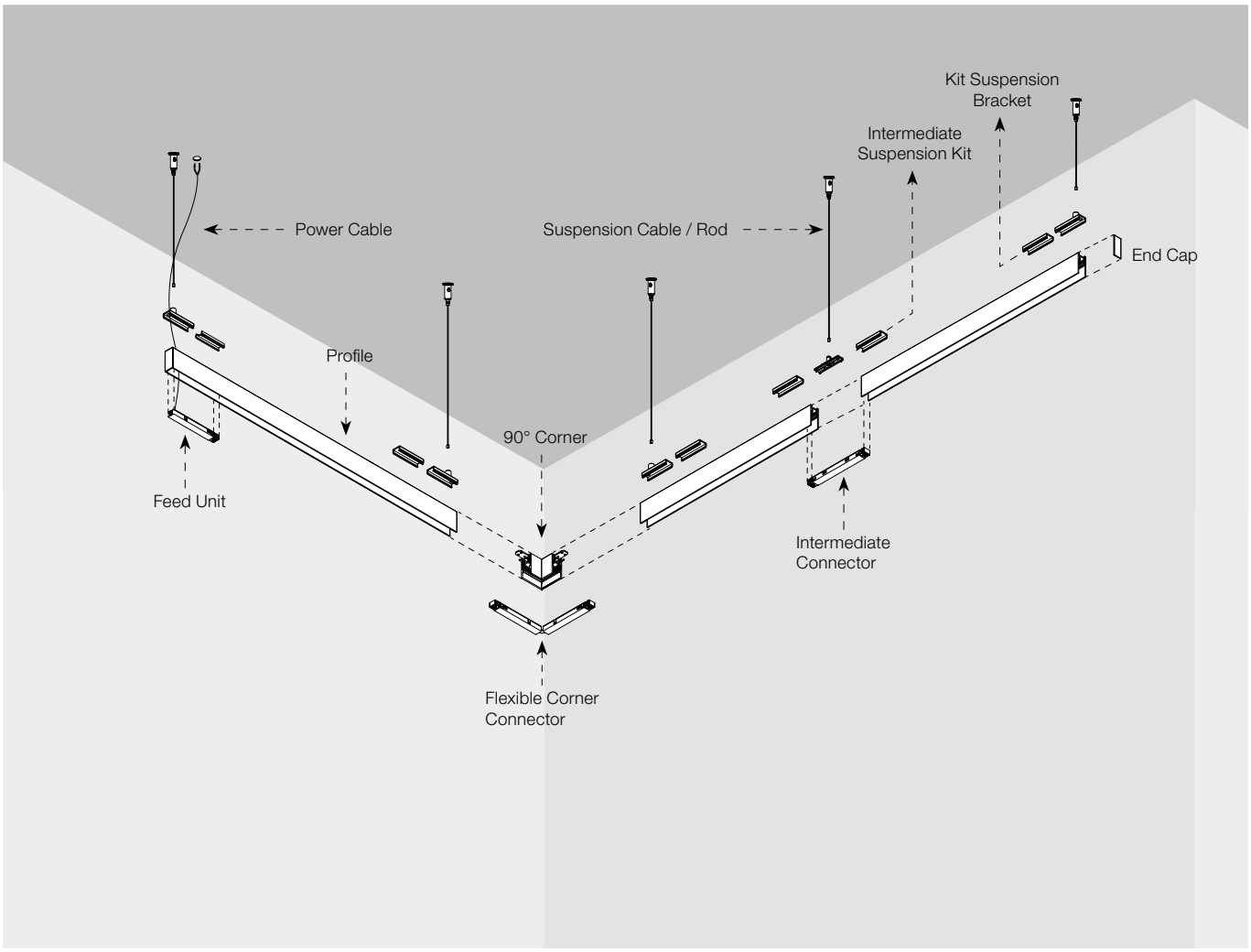
DIM 1-10V - 24/48V
08.0613.14A

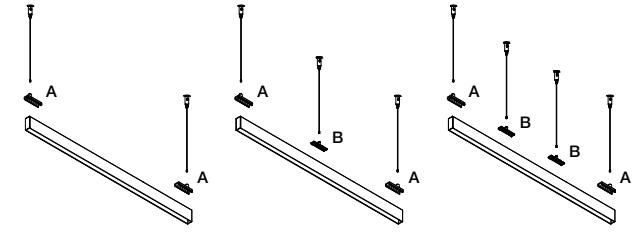
Ein aktives Steuerungssystem (SOURCE) ist erforderlich und der Datenbus muss direkt am Profil angeschlossen sein. Für passive Systeme (SINK) ist eine Steuereinheit Dimming BOX erforderlich, die zwischen der Steuereinheit und dem Profil angebracht ist. / An active control system (SOURCE) is required and the data bus must be connected directly to the profile. For passive systems (SINK), a Dimming BOX Control unit is required (located between the control unit and the profile).

* Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten. / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

THE TRACKING MAGNET SUSPENSION DOWN

SUSPENSION DOWN INSTALLATION





Profiles 1000 / 1500 / 2000 | Profiles 2500 | Profiles 3000

Profile (mm)	Fixation points	Kits to order
1000 / 1500 / 2000	2	1A
2500	3	1A + 1B
3000	4	1A + 2B

A Kit suspension Bracket
B Intermediate Suspension Kit
(*) Suspension Cable/Rod must be ordered separately

Profile & Treiber / Profiles & Drivers

Geteiltes Datenblatt mit der Aufputz-Version. Siehe vorherige Seite.
References shared with surface version. Please see previous page.

Profile

90° Corner

End Cap

Feed Unit

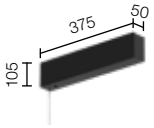
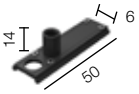
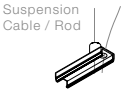
Intermediate Connector

Flexible Corner Connector

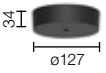
Remote Drivers

Zubehör / Accessories

Suspension Down

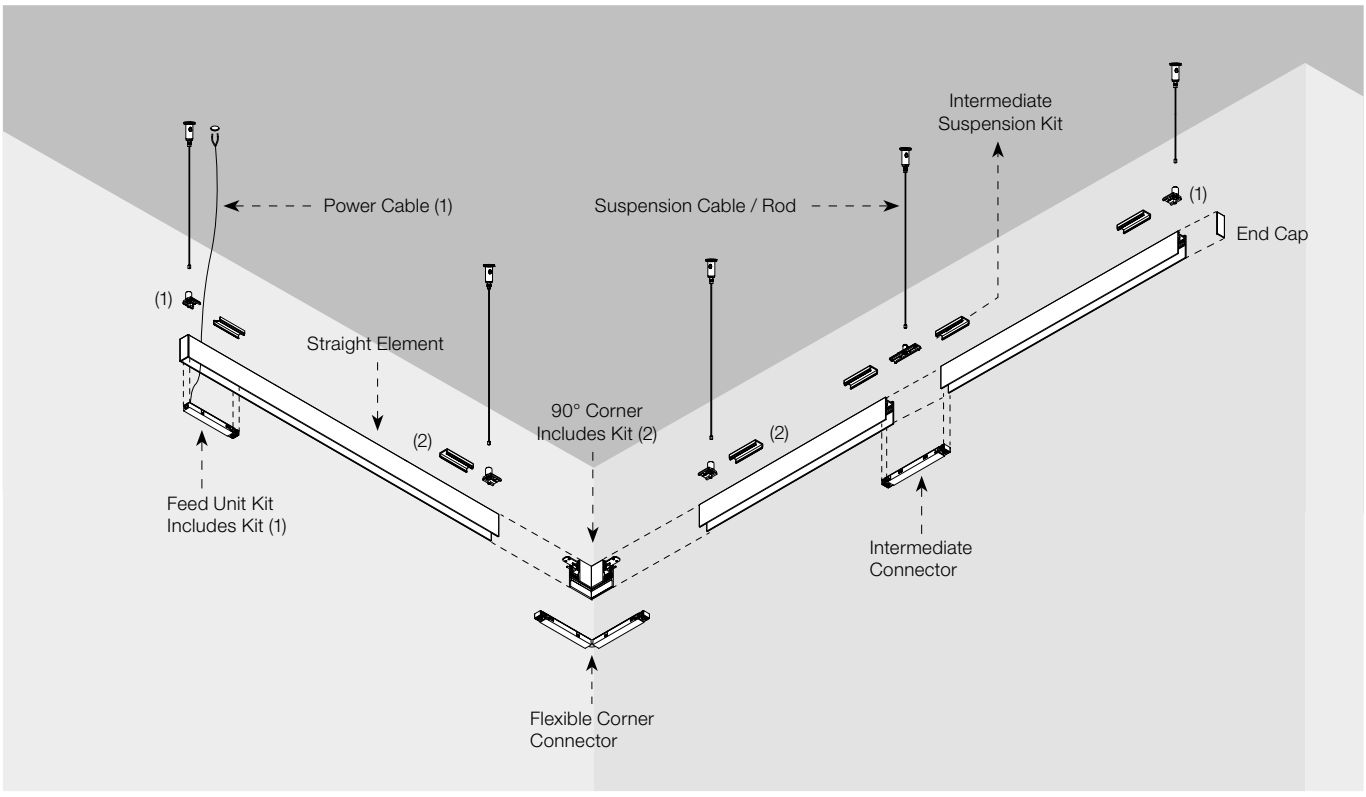
Stromversorgungsbox mit Ausstattung inklusive 320W / 48VDC. Inklusive 4-poligem und 4m transparentem Kabel. Gilt nicht für Installationen mit Aufhängungsstangen. Verwenden Sie zur Steuerung von 1-10 V nur aktive Signale.	Surface power supply with 320W / 48Vdc driver included. 4-meter, 4-pole transparent cable included. Not suitable for installations with suspension rods. For 1-10V control, use only active signals.		☐ 08.0600.40 ■ 08.0600.14
4-poliges, transparentes Stromkabel mit 0,75 mm² Querschnitt und 4 m Länge. Zur Verwendung mit Remote-Treibern.	4-pole, 0.75 mm² section, 4-meter long, transparent power cable. To use with remote drivers.		06.0157.00
Aufputz-Halterungs-Kit.	Kit Surface Bracket.		 Suspension 08.0616.00

Suspension Down / Up & Down

Zwischenfederungssatz zum Verbinden von Profilen. Es beinhaltet den elektrischen Anschluss des oberen Teils. Notwendiger Zwischenstecker, separat bestellen. Stahlkabel nicht im Lieferumfang enthalten.	Intermediate suspension kit for joining profiles. It includes the electrical connection of the upper part. An intermediate connector is necessary. It must be ordered separately. Steel cable not included.		 ■ 08.0627.00
Abhängestab mit Baldachin 1 m. Gewinde m6. Nicht anwendbar für Oberflächengehäuse.*/**	1 m suspension rod with ceiling rose. M6 thread. Not applicable with a Surface power box.*/**		☐ 60.3014.11 ■ 60.3014.14
Verlängerung Abhängestab 1 m. Gewinde M6.*/**	1 m suspension rod extension set m6 thread.*/**		☐ 60.3097.11 ■ 60.3097.14
4 m Stahlseil, empfohlen, wenn die Struktur eine oder mehrere Ecken aufweist, da bei diesen Strukturen die Schiene nicht kippt, obwohl das Gewicht der Leuchten nicht ausgeglichen ist.*	A 4-meter steel suspension cable is recommended if the structure includes one or more angles, since in these structures the track does not tilt even if the weight of the luminaries is not balanced.*		08.8634.00
Einspeisungsrosette zur Oberflächenmontage. Ausrüstung, Netzkabel und Aufhängekabel nicht enthalten, bitte separat bestellen. Gilt nicht für Installationen mit Aufhängungsstangen.	Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately. Not suitable for installations with suspension rods.		☐ 08.8883.40A ■ 08.8883.14A
Einspeisungsrosette für den versenkten Einbau. Ausrüstung, Netzkabel und Aufhängekabel nicht enthalten, bitte separat bestellen. Gilt nicht für Installationen mit Aufhängungsstangen.	Recessed power supply rose. Equipment, power cable and suspension cable not included. They must be ordered separately. Not suitable for installations with suspension rods.		☐ 08.8889.40 ■ 08.8889.14

* Feste Stangen, um das Verformen der Profile (bei geraden Strukturen ohne Winkel) zu verhindern bzw. für Installationen, bei denen ein stabileres Befestigungssystem erforderlich ist.
* Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required.

SUSPENSION UP&DOWN INSTALLATION

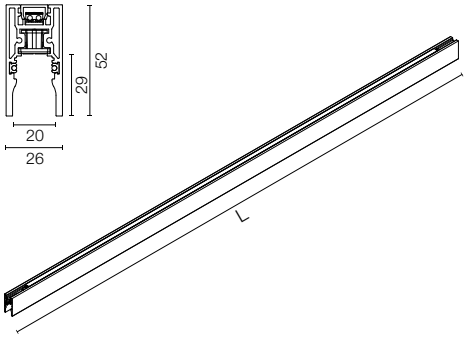


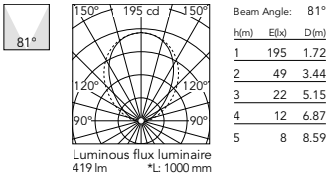
Profile

Elektromechanisches Profil für Deckenstrukturen.
Die linearen Elemente in der Up&Down-Version enthalten eine indirekte LED-Beleuchtung im oberen Bereich des Profils.
Kompatible Version mit „On Board Dimmer"-Leuchten und Casambi verfügbar. Kompatible Version mit steuerbaren Leuchten wie DALI und 1-10V.
Aufhängezubehör (Stahlkabel und Stangen) müssen separat bestellt werden.
90°-Ecken verfügbar auf derselben Ebene (symmetrisches Element für die linke und rechte Ecke).
Die Eckteile haben keine indirekte Beleuchtung. Indirekte Beleuchtung kann entweder durch den selben Schaltkreis der direkten Beleuchtung gesteuert werden oder unabhänging davon.
Die Up&Down-Version kann unabhängig über DALI.

Profiles

Electrical/mechanical profile for suspended installations.
The linear elements in the Up&Down version include indirect LED lighting in the upper part of the profile.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems.
The profiles cannot be cut. The end caps must be ordered separately.
Suspension accessories (steel cable and rods) should be ordered separately.
90° corners available in the same plan (symmetrical element for left and right corners).
The corners do not have indirect lighting. Indirect lighting can be controlled either through the same circuit than direct lighting or independently.
The Up&Down version can be controlled independently via DALI.





Beam Angle:	81°
h(m)	E(lx)	D(m)
1	195	1.72
2	49	3.44
3	22	5.15
4	12	6.87
5	8	8.59

L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Top LED 6,5W/m Up - 630 lm/m Up - 3000K/CRI 90

On board dimmer / Casambi	DALI / 1-10V / Casambi
L: 1000 mm	L: 1000 mm
06.5070.40	06.5020.40
06.5070.05	06.5020.05
06.5070.14	06.5020.14
L: 1500 mm	L: 1500 mm
06.5071.40	06.5021.40
06.5071.05	06.5021.05
06.5071.14	06.5021.14
L: 2000 mm	L: 2000 mm
06.5072.40	06.5022.40
06.5072.05	06.5022.05
06.5072.14	06.5022.14
L: 2500 mm	L: 2500 mm
06.5073.40	06.5023.40
06.5073.05	06.5023.05
06.5073.14	06.5023.14
L: 3000 mm	L: 3000 mm
06.5074.40	06.5024.40
06.5074.14	06.5024.14

Zubehör & Treiber / Accessories & Drivers

Geteiltes Datenblatt mit der Hängeversion Down. Siehe vorherige Seite.
Shared references with Down suspension version. Please see previous page.

Surface Rose

Recessed Power Supply Rose

Suspension Cable

Suspension Rod

Suspension Rod Extension

Intermediate Suspension Kit

Geteiltes Datenblatt mit der Aufputz-Version. Siehe Seite.
References shared with surface version. Please see previous page.

Intermediate Connector

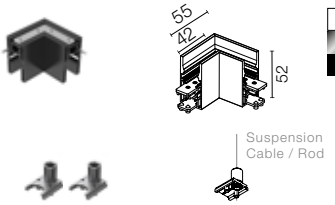
Flexible Corner Connector

Remote Drivers

Zubehör / Accessories

90 ° mechanische Ecke.
Zwei endgültige Aufhängungsanschlüsse enthalten. Stahlkabel nicht im Lieferumfang enthalten. Keine Beleuchtung oben. Top Anschlüsse inklusive.

90° mechanical angle.
Two end suspension connections included. Steel cable not included. No lighting on the upper part. Upper part connections included.



06.5025.40
06.5025.05
06.5025.14

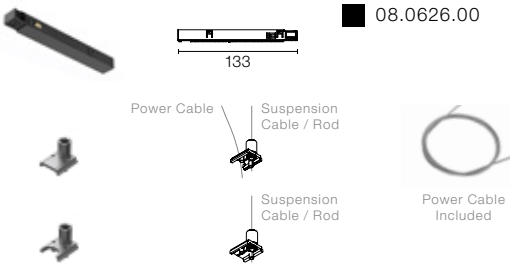
Endkappe. Muss separat bestellt werden.
Set mit 2 stücke.

End caps. To be ordered separately.
2 unit kit.

06.5026.40
06.5026.05
06.5026.14

Montagesatz Einspeiseeinheit.
Beinhaltet zwei Aufhängezubehörteile für die Enden des Profils sowie ein 6-poliges und ein 4 m langes elektrisches Kabel. Stahlkabel nicht im Lieferumfang enthalten. Das zentrale Aufhängezubehör ist im Profil enthalten.

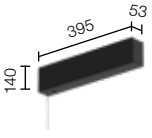
Feed Unit Kit. Includes two suspension accessories for the profile ends and a 6-pole and 4-meter long electrical cable. Steel cable not included. Central suspension accessories are included in the profile.



08.0626.00

Versorgungsgerät mit Ausrüstung inklusive 320W / 48Vdc. Stahl- und Elektrokabel nicht enthalten. Gilt nicht für die Montage mit Aufhängestangen.
DALI / 1-10V / 0-10V / No dim.

Surface power supply with driver included 320W / 48Vdc. Steel and electric cables not included. Not valid for installation with suspension rods.
DALI / 1-10V / 0-10V / No dim.

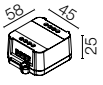


1-10V
08.0631.40A
08.0631.14A
Dali Version
08.0632.40A
08.0632.14A

Remote Dimmers Accessories

Steuereinheit für Dali-Dimmung; für 12-24-48V-LED-Module; Netzgerät nicht inbegriffen. Für indirekte Lichtsteuerung (UP).

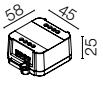
Dimmable Dali control unit for 12-24-48V LED modules. Power supply not included. For controlling indirect lighting (UP).



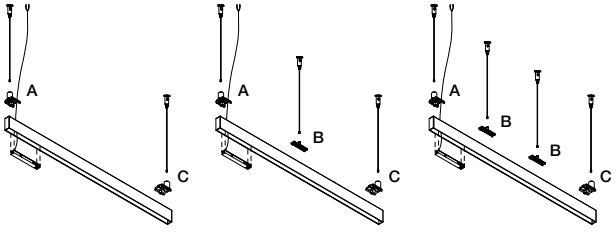
Dali · Push
Max. 10A
60.9678A

Treiber 1-10V Push 48V PWM für indirekte Lichtsteuerung (UP).

1-10V Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).



60.9395



Profiles 1000 / 1500 Profiles 2000 / 2500 Profiles 3000

Profile (mm)	Fixation points	Kits to order
1000 / 1500	2	1D
2000 / 2500	3	1D
3000	4	1D

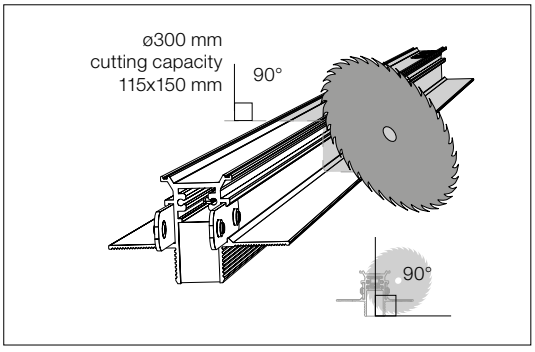
D Feed Unit Kit (A+C)
B Intermediate Suspension Kit. Included in Up & Down profiles
(*) Suspension Cable/Rod must be ordered separately

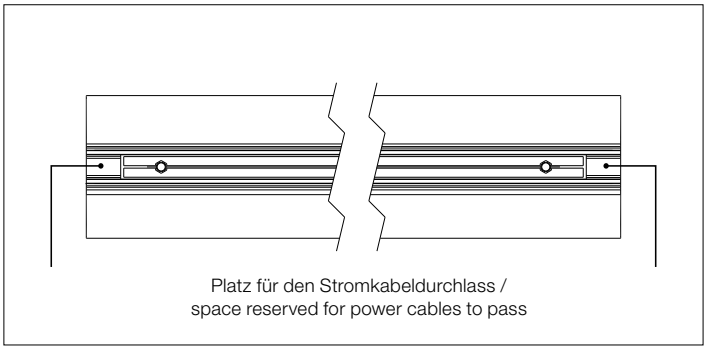
• Kann ich eine Konstruktion direkt aus der Ecke mit Strom versorgen?
Ja, für die linearen Profile neben der Ecke müssen ein oder zwei Stromanschlüsse verwendet werden, je nachdem, ob Sie nur eines der mit der Ecke verbundenen Profile oder beide versorgen möchten.

• Können die Profile zugeschnitten werden?
Ja, die Profile können auf die gewünschte Größe zugeschnitten werden, außer in den Versionen Up & Down. Berücksichtigen Sie immer beim Schneiden, den vorhergesehenen Durchgang für das Stromkabel. Die elektrische Kontinuität wird mit dem Zwischenstecker hergestellt. Wenn Sie nach dem Schnitt eine neue Stromversorgung benötigen, müssen Sie die Stelle für die Kabeldurchführung bohren, und zwar in dem Bereich ohne Graphit, der hierfür vorgesehen wurde, und einen Netzstecker verwenden. Es dürfen unter keinen Umständen die Stellen mit Graphit durchbohrt werden.

• Can I feed a structure directly from a corner?
Yes. One or two power connectors must be used for linear profiles along with the corner, depending on whether you want to power just one of the profiles connected to the corner or both profiles.

• Can I cut a profile?
Yes, profiles can be cut to the desired size, except for the Up & Down versions. Always cut respecting the space reserved for inserting the power cable. The electrical continuity is done with the intermediate connector. If you need a new power cable after cutting, you must drill the power cable's pass-through hole in the area free of graphite tracks reserved for that purpose and use a feed connector, you should never drill through the graphite tracks.




Platz für den Stromkabeldurchlass /
space reserved for power cables to pass

• Wie hoch ist die maximal zulässige Entfernung zwischen Netzteil und Profil?
Bei den empfohlenen Stromquellen beträgt die maximal zulässige Entfernung:
. Kabel Ø 1,5 mm: 3 m
. Kabel Ø 2,5 mm: 5 m

• Wie lang darf eine Struktur höchstens sein, damit ein Netzteil sie versorgen kann?
Die maximale Länge eines Profils, das mit einer Stromversorgung gespeist werden kann, beträgt 20 Meter oder der resultierende Abstand nach 7 Verbindungen, einschließlich der Schnitte.

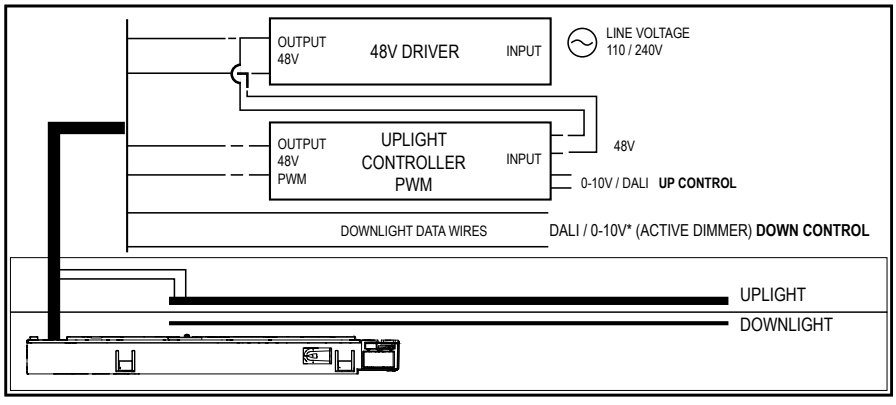
• Ist es möglich, ein weniger leistungsstarkes Netzteil zu verwenden?
Sämtliche auf unserer Website, unserem Katalog und in unseren Installationsanweisungen veröffentlichten Informationen entsprechen den Tests, die mit den für unsere Produkte empfohlenen Stromquellen durchgeführt wurden. Es muss sich um eine 48V-Stromversorgung mit einer maximalen Leistung von 320 W handeln.

• What is the maximum distance allowed between the driver and the profile?
With the recommended power sources, the maximum distance permitted is:
. Ø1.5 mm cable: 3 m
. Ø2.5 mm cable: 5 m

• What is the maximum length that can be fed with one power supply?
The maximum length of a profile that can be fed with a power supply is 20 meters or the resulting distance after 7 interconnections including cuts.

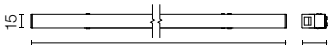
• Can I use a different, less powerful power supply?
All the information published on our website, catalogue and installation instructions meet the tests executed with the power sources recommended for our products. It must be a 48V power source with a maximum power of 320W.

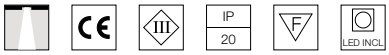
Up&Down-Verbindungsschema / Up&Down Connection Scheme



Light Stripe

Top LED 20W/m - 1859 lm/m - 2700K/CRI 90 / 20W/m - 1967 lm/m - 3000K/CRI 90

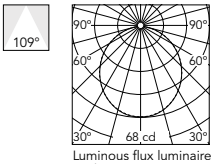




LED-Modul für diffuses Licht zur Installation in das System The Tracking Magnet. Opale Endkappen nicht im Lieferumfang enthalten, separat bestellen (08.0125.00 - Enthält zwei Einheiten).
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Diffused LED light module to be installed in The Tracking Magnet System. Opal end covers not included. They must be ordered separately (08.0125.00 - two units included).
For wireless lighting control, choose integrated Casambi versions.

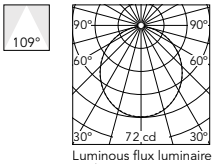
2700K
L: 300 mm - 6W - 558lm
On board dimmer
- 03.8000.14
*Dali 2
- 03.8000.14.DA
*1-10V
- 03.8000.14.1V
**Casambi
- 03.8000.14.CB



Luminous flux luminaire
191 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	68	2.80
2	17	5.59
3	8	8.39
4	4	11.18
5	3	13.98

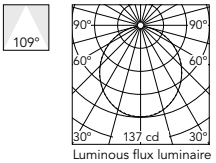
3000K
L: 300 mm - 6W - 590lm
On board dimmer
- 03.8005.14
*Dali 2
- 03.8005.14.DA
*1-10V
- 03.8005.14.1V
**Casambi
- 03.8005.14.CB



Luminous flux luminaire
202 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	72	2.80
2	18	5.59
3	8	8.39
4	5	11.18
5	3	13.98

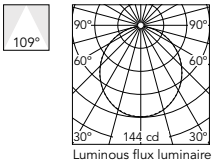
2700K
L: 600 mm - 12W - 1115lm
On board dimmer
- 03.8001.14
*Dali 2
- 03.8001.14.DA
*1-10V
- 03.8001.14.1V
**Casambi
- 03.8001.14.CB



Luminous flux luminaire
383 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	137	2.80
2	34	5.59
3	15	8.39
4	9	11.18
5	5	13.98

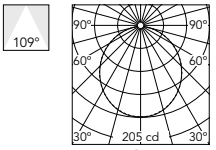
3000K
L: 600 mm - 12W - 1180lm
On board dimmer
- 03.8006.14
*Dali 2
- 03.8006.14.DA
*1-10V
- 03.8006.14.1V
**Casambi
- 03.8006.14.CB



Luminous flux luminaire
405 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	144	2.80
2	36	5.59
3	16	8.39
4	9	11.18
5	6	13.98

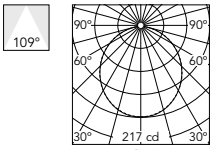
2700K
L: 900 mm - 18W - 1673lm
On board dimmer
- 03.8002.14
*Dali 2
- 03.8002.14.DA
*1-10V
- 03.8002.14.1V
**Casambi
- 03.8002.14.CB



Luminous flux luminaire
574 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	205	2.80
2	51	5.59
3	23	8.39
4	13	11.18
5	8	13.98

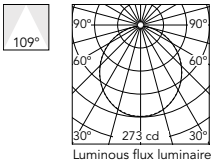
3000K
L: 900 mm - 18W - 1770lm
On board dimmer
- 03.8007.14
*Dali 2
- 03.8007.14.DA
*1-10V
- 03.8007.14.1V
**Casambi
- 03.8007.14.CB



Luminous flux luminaire
607 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	217	2.80
2	54	5.59
3	24	8.39
4	14	11.18
5	9	13.98

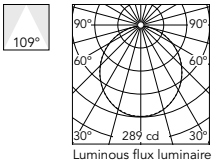
2700K
L: 1200 mm - 24W - 2230lm
On board dimmer
- 03.8003.14
*Dali 2
- 03.8003.14.DA
*1-10V
- 03.8003.14.1V
**Casambi
- 03.8003.14.CB



Luminous flux luminaire
766 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	273	2.80
2	68	5.59
3	30	8.39
4	17	11.18
5	11	13.98

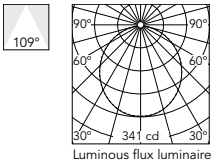
3000K
L: 1200 mm - 24W - 2360lm
On board dimmer
- 03.8008.14
*Dali 2
- 03.8008.14.DA
*1-10V
- 03.8008.14.1V
**Casambi
- 03.8008.14.CB



Luminous flux luminaire
809 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	289	2.80
2	72	5.59
3	32	8.39
4	18	11.18
5	12	13.98

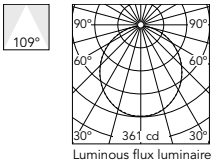
2700K
L: 1500 mm - 30W - 2788lm
On board dimmer
- 03.8004.14
*Dali 2
- 03.8004.14.DA
*1-10V
- 03.8004.14.1V
**Casambi
- 03.8004.14.CB



Luminous flux luminaire
957 lm

Beam Angle:		109°
h(m)	E(lx)	D(m)
1	341	2.80
2	85	5.59
3	38	8.39
4	21	11.18
5	14	13.98

3000K
L: 1500 mm - 30W - 2950lm
On board dimmer
- 03.8009.14
*Dali 2
- 03.8009.14.DA
*1-10V
- 03.8009.14.1V
**Casambi
- 03.8009.14.CB



Luminous flux luminaire
1012 lm

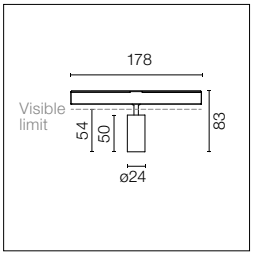
Beam Angle:		109°
h(m)	E(lx)	D(m)
1	361	2.80
2	90	5.59
3	40	8.39
4	23	11.18
5	14	13.98

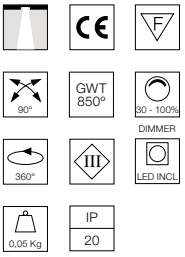
* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Spot 50

Power LED 3,5W - 286 lm - 2700K/CRI 90 / 3,5W - 307 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter) außer dem Chrom-Finish.

Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

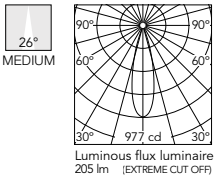
Accessories included (honeycomb and screening crosspiece) except for the chrome finish.

2700K
On board dimmer
- 03.8032.40A
- 03.8032.05B
- 03.8032.14A

*Dali 2
- 03.8032.40ADA
- 03.8032.05BDA
- 03.8032.14ADA

*1-10V
- 03.8032.40A1V
- 03.8032.05B1V
- 03.8032.14A1V

**Casambi
- 03.8032.40ACB
- 03.8032.05BCB
- 03.8032.14ACB



Luminous flux luminaire
205 lm (EXTREME CUT OFF)

Beam Angle: 26°

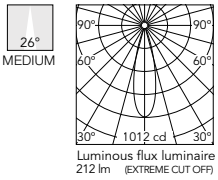
h(m)	E(lx)	D(m)
1	977	0.47
2	244	0.94
3	109	1.41
4	61	1.88
5	39	2.35

3000K
On board dimmer
- 03.8033.40A
- 03.8033.05B
- 03.8033.14A

*Dali 2
- 03.8033.40ADA
- 03.8033.05BDA
- 03.8033.14ADA

*1-10V
- 03.8033.40A1V
- 03.8033.05B1V
- 03.8033.14A1V

**Casambi
- 03.8033.40ACB
- 03.8033.05BCB
- 03.8033.14ACB



Luminous flux luminaire
212 lm (EXTREME CUT OFF)

Beam Angle: 26°

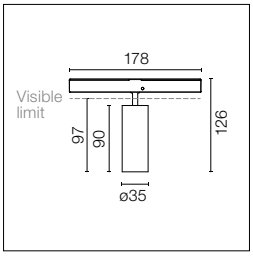
h(m)	E(lx)	D(m)
1	1012	0.47
2	253	0.94
3	112	1.41
4	63	1.88
5	40	2.35

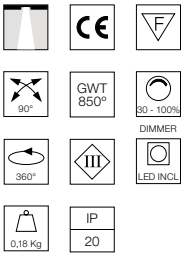
* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Spot 90

Power LED 8,5W - 610 lm - 2700K/CRI 90 / 8,5W - 656 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter) außer dem Chrom-Finish.

Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece) except for the chrome finish.

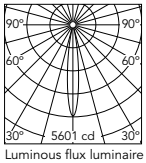
2700K
On board dimmer
- 03.8042.40A
- 03.8042.05B
- 03.8042.14A

*Dali 2
- 03.8042.40ADA
- 03.8042.05BDA
- 03.8042.14ADA

*1-10V
- 03.8042.40A1V
- 03.8042.05B1V
- 03.8042.14A1V

**Casambi
- 03.8042.40ACB
- 03.8042.05BCB
- 03.8042.14ACB

14° SPOT



Luminous flux luminaire 428 lm [EXTREME CUT OFF]

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5601	0.25
2	1400	0.49
3	622	0.74
4	350	0.98
5	224	1.23

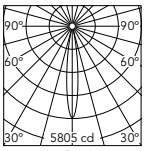
3000K
On board dimmer
- 03.8043.40A
- 03.8043.05B
- 03.8043.14A

*Dali 2
- 03.8043.40ADA
- 03.8043.05BDA
- 03.8043.14ADA

*1-10V
- 03.8043.40A1V
- 03.8043.05B1V
- 03.8043.14A1V

**Casambi
- 03.8043.40ACB
- 03.8043.05BCB
- 03.8043.14ACB

14° SPOT



Luminous flux luminaire 443 lm [EXTREME CUT OFF]

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5805	0.25
2	1451	0.49
3	645	0.74
4	363	0.98
5	232	1.23

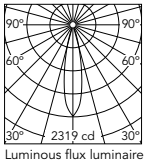
2700K
On board dimmer
- 03.8044.40A
- 03.8044.05B
- 03.8044.14A

*Dali 2
- 03.8044.40ADA
- 03.8044.05BDA
- 03.8044.14ADA

*1-10V
- 03.8044.40A1V
- 03.8044.05B1V
- 03.8044.14A1V

**Casambi
- 03.8044.40ACB
- 03.8044.05BCB
- 03.8044.14ACB

22° MEDIUM



Luminous flux luminaire 392 lm [EXTREME CUT OFF]

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2319	0.38
2	580	0.77
3	258	1.15
4	145	1.54
5	93	1.92

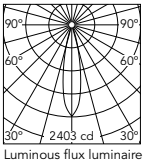
3000K
On board dimmer
- 03.8045.40A
- 03.8045.05B
- 03.8045.14A

*Dali 2
- 03.8045.40ADA
- 03.8045.05BDA
- 03.8045.14ADA

*1-10V
- 03.8045.40A1V
- 03.8045.05B1V
- 03.8045.14A1V

**Casambi
- 03.8045.40ACB
- 03.8045.05BCB
- 03.8045.14ACB

22° MEDIUM



Luminous flux luminaire 406 lm [EXTREME CUT OFF]

Beam Angle: 22°

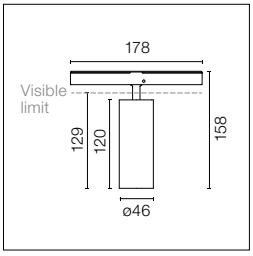
h(m)	E(lx)	D(m)
1	2403	0.38
2	601	0.77
3	267	1.15
4	150	1.54
5	96	1.92

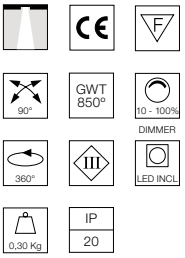
* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Spot 120

Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

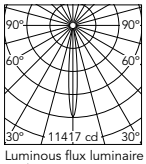
2700K
On board dimmer
- 03.8052.40A
- 03.8052.05B
- 03.8052.14A

*Dali 2
- 03.8052.40ADA
- 03.8052.05BDA
- 03.8052.14ADA

*1-10V
- 03.8052.40A1V
- 03.8052.05B1V
- 03.8052.14A1V

**Casambi
- 03.8052.40ACB
- 03.8052.05BCB
- 03.8052.14ACB

11° SPOT



Luminous flux luminaire
539 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11417	0.19
2	2854	0.37
3	1269	0.56
4	714	0.75
5	457	0.93

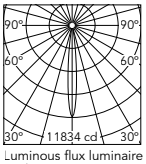
3000K
On board dimmer
- 03.8053.40A
- 03.8053.05B
- 03.8053.14A

*Dali 2
- 03.8053.40ADA
- 03.8053.05BDA
- 03.8053.14ADA

*1-10V
- 03.8053.40A1V
- 03.8053.05B1V
- 03.8053.14A1V

**Casambi
- 03.8053.40ACB
- 03.8053.05BCB
- 03.8053.14ACB

11° SPOT



Luminous flux luminaire
558 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11834	0.19
2	2958	0.37
3	1315	0.56
4	740	0.75
5	473	0.93

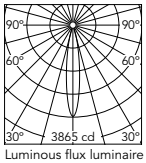
2700K
On board dimmer
- 03.8054.40A
- 03.8054.05B
- 03.8054.14A

*Dali 2
- 03.8054.40ADA
- 03.8054.05BDA
- 03.8054.14ADA

*1-10V
- 03.8054.40A1V
- 03.8054.05B1V
- 03.8054.14A1V

**Casambi
- 03.8054.40ACB
- 03.8054.05BCB
- 03.8054.14ACB

17° MEDIUM



Luminous flux luminaire
487 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3865	0.29
2	966	0.59
3	429	0.88
4	242	1.18
5	155	1.47

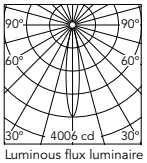
3000K
On board dimmer
- 03.8055.40A
- 03.8055.05B
- 03.8055.14A

*Dali 2
- 03.8055.40ADA
- 03.8055.05BDA
- 03.8055.14ADA

*1-10V
- 03.8055.40A1V
- 03.8055.05B1V
- 03.8055.14A1V

**Casambi
- 03.8055.40ACB
- 03.8055.05BCB
- 03.8055.14ACB

17° MEDIUM



Luminous flux luminaire
505 lm (EXTREME CUT OFF)

Beam Angle: 17°

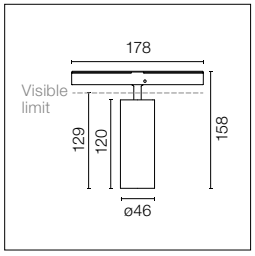
h(m)	E(lx)	D(m)
1	4006	0.29
2	1001	0.59
3	445	0.88
4	250	1.18
5	160	1.47

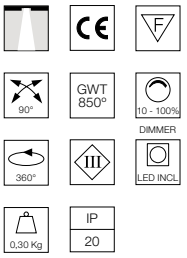
* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Spot 120

LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter) außer dem Chrom-Finish.

Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece) except for the chrome finish.

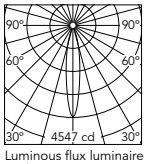
2700K
On board dimmer
- 03.8154.40
- 03.8154.05A
- 03.8154.14

*Dali 2
- 03.8154.40.DA
- 03.8154.05ADA
- 03.8154.14.DA

*1-10V
- 03.8154.40.1V
- 03.8154.05A1V
- 03.8154.14.1V

**Casambi
- 03.8154.40.CB
- 03.8154.05ACB
- 03.8154.14.CB

17° MEDIUM



Luminous flux luminaire 654 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4547	0.31
2	1137	0.61
3	505	0.92
4	284	1.23
5	182	1.53

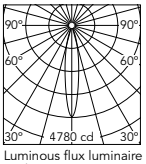
3000K
On board dimmer
- 03.8155.40
- 03.8155.05A
- 03.8155.14

*Dali 2
- 03.8155.40.DA
- 03.8155.05ADA
- 03.8155.14.DA

*1-10V
- 03.8155.40.1V
- 03.8155.05A1V
- 03.8155.14.1V

**Casambi
- 03.8155.40.CB
- 03.8155.05ACB
- 03.8155.14.CB

17° MEDIUM



Luminous flux luminaire 687 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4780	0.31
2	1195	0.61
3	531	0.92
4	299	1.23
5	191	1.53

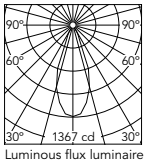
2700K
On board dimmer
- 03.8156.40
- 03.8156.05A
- 03.8156.14

*Dali 2
- 03.8156.40.DA
- 03.8156.05ADA
- 03.8156.14.DA

*1-10V
- 03.8156.40.1V
- 03.8156.05A1V
- 03.8156.14.1V

**Casambi
- 03.8156.40.CB
- 03.8156.05ACB
- 03.8156.14.CB

40° FLOOD



Luminous flux luminaire 599 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1367	0.73
2	342	1.45
3	152	2.18
4	85	2.91
5	55	3.64

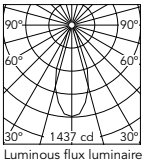
3000K
On board dimmer
- 03.8157.40
- 03.8157.05A
- 03.8157.14

*Dali 2
- 03.8157.40.DA
- 03.8157.05ADA
- 03.8157.14.DA

*1-10V
- 03.8157.40.1V
- 03.8157.05A1V
- 03.8157.14.1V

**Casambi
- 03.8157.40.CB
- 03.8157.05ACB
- 03.8157.14.CB

40° FLOOD



Luminous flux luminaire 629 lm

Beam Angle: 40°

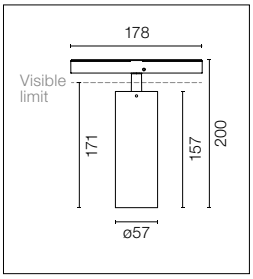
h(m)	E(lx)	D(m)
1	1437	0.73
2	359	1.45
3	160	2.18
4	90	2.91
5	57	3.64

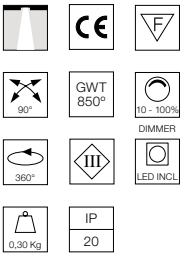
* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Spot 150

LED Array 22,5W - 2411 lm - 2700K/CRI 90 / 22,5W - 2569 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

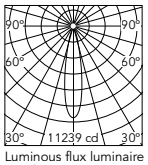
2700K
On board dimmer
- 03.8072.40A
- 03.8072.05B
- 03.8072.14A

*Dali 2
- 03.8072.40ADA
- 03.8072.05BDA
- 03.8072.14ADA

*1-10V
- 03.8072.40A1V
- 03.8072.05B1V
- 03.8072.14A1V

**Casambi
- 03.8072.40ACB
- 03.8072.05BCB
- 03.8072.14ACB

21° SPOT



Luminous flux luminaire
1818 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11239	0.37
2	2810	0.74
3	1249	1.11
4	702	1.48
5	450	1.85

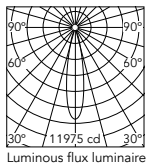
3000K
On board dimmer
- 03.8073.40A
- 03.8073.05B
- 03.8073.14A

*Dali 2
- 03.8073.40ADA
- 03.8073.05BDA
- 03.8073.14ADA

*1-10V
- 03.8073.40A1V
- 03.8073.05B1V
- 03.8073.14A1V

**Casambi
- 03.8073.40ACB
- 03.8073.05BCB
- 03.8073.14ACB

21° SPOT



Luminous flux luminaire
1937 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11975	0.37
2	2994	0.74
3	1331	1.11
4	748	1.48
5	479	1.85

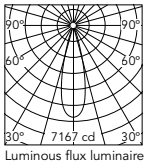
2700K
On board dimmer
- 03.8074.40A
- 03.8074.05B
- 03.8074.14A

*Dali 2
- 03.8074.40ADA
- 03.8074.05BDA
- 03.8074.14ADA

*1-10V
- 03.8074.40A1V
- 03.8074.05B1V
- 03.8074.14A1V

**Casambi
- 03.8074.40ACB
- 03.8074.05BCB
- 03.8074.14ACB

27° MEDIUM



Luminous flux luminaire
1564 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7167	0.49
2	1792	0.98
3	796	1.47
4	448	1.96
5	287	2.44

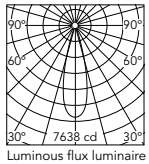
3000K
On board dimmer
- 03.8075.40A
- 03.8075.05B
- 03.8075.14A

*Dali 2
- 03.8075.40ADA
- 03.8075.05BDA
- 03.8075.14ADA

*1-10V
- 03.8075.40A1V
- 03.8075.05B1V
- 03.8075.14A1V

**Casambi
- 03.8075.40ACB
- 03.8075.05BCB
- 03.8075.14ACB

27° MEDIUM



Luminous flux luminaire
1667 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7638	0.49
2	1910	0.98
3	849	1.47
4	477	1.96
5	306	2.44

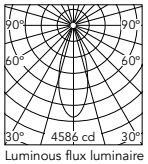
2700K
On board dimmer
- 03.8076.40A
- 03.8076.05B
- 03.8076.14A

*Dali 2
- 03.8076.40ADA
- 03.8076.05BDA
- 03.8076.14ADA

*1-10V
- 03.8076.40A1V
- 03.8076.05B1V
- 03.8076.14A1V

**Casambi
- 03.8076.40ACB
- 03.8076.05BCB
- 03.8076.14ACB

36° FLOOD



Luminous flux luminaire
1569 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4586	0.64
2	1146	1.28
3	510	1.92
4	287	2.56
5	183	3.20

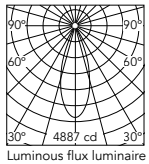
3000K
On board dimmer
- 03.8077.40A
- 03.8077.05B
- 03.8077.14A

*Dali 2
- 03.8077.40ADA
- 03.8077.05BDA
- 03.8077.14ADA

*1-10V
- 03.8077.40A1V
- 03.8077.05B1V
- 03.8077.14A1V

**Casambi
- 03.8077.40ACB
- 03.8077.05BCB
- 03.8077.14ACB

36° FLOOD



Luminous flux luminaire
1672 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4887	0.64
2	1222	1.28
3	543	1.92
4	305	2.56
5	195	3.20

* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Zubehör / Accessories

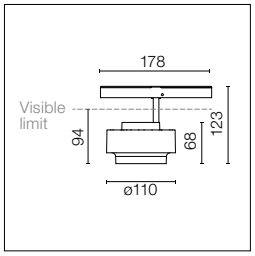
Spot 150***

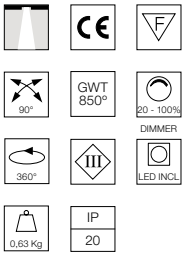
Querabschirmung.	Screening crosspiece.		08.8429.00
Elliptische linse.	Elliptical lens.		08.8431.00
Floodlinse.	Flood lens.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Konische abschirmung.	Snoot shielding cone.		08.0526.00 08.0526.40 08.0526.BW

*** Außer dem Chrom-Finish

Anthony Spot Track By Antonio Citterio

LED Array 16,5W - 1620 lm - 2700K/CRI 90 / 16,5W - 1730 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

Siehe erhältliches Zubehör.

Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

See available accessories.

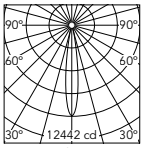
2700K
On board dimmer
- 03.8025.40
- 03.8025.05A
- 03.8025.14

*Dali 2
- 03.8025.40.DA
- 03.8025.05ADA
- 03.8025.14.DA

*1-10V
- 03.8025.40.1V
- 03.8025.05A1V
- 03.8025.14.1V

**Casambi
- 03.8025.40.CB
- 03.8025.05ACB
- 03.8025.14.CB

15° SPOT



Luminous flux luminaire
1241 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	12442	0.27
2	3110	0.54
3	1382	0.81
4	778	1.07
5	498	1.34

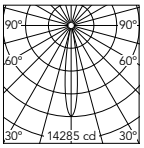
3000K
On board dimmer
- 03.8027.40
- 03.8027.05A
- 03.8027.14

*Dali 2
- 03.8027.40.DA
- 03.8027.05ADA
- 03.8027.14.DA

*1-10V
- 03.8027.40.1V
- 03.8027.05A1V
- 03.8027.14.1V

**Casambi
- 03.8027.40.CB
- 03.8027.05ACB
- 03.8027.14.CB

15° SPOT



Luminous flux luminaire
1425 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14285	0.27
2	3571	0.54
3	1587	0.81
4	893	1.07
5	571	1.34

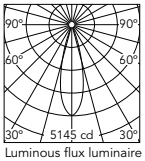
2700K
On board dimmer
- 03.8026.40
- 03.8026.05A
- 03.8026.14

*Dali 2
- 03.8026.40.DA
- 03.8026.05ADA
- 03.8026.14.DA

*1-10V
- 03.8026.40.1V
- 03.8026.05A1V
- 03.8026.14.1V

**Casambi
- 03.8026.40.CB
- 03.8026.05ACB
- 03.8026.14.CB

28° MEDIUM



Luminous flux luminaire
1242 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	5145	0.49
2	1286	0.98
3	572	1.47
4	322	1.97
5	206	2.46

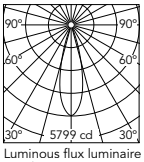
3000K
On board dimmer
- 03.8028.40
- 03.8028.05A
- 03.8028.14

*Dali 2
- 03.8028.40.DA
- 03.8028.05ADA
- 03.8028.14.DA

*1-10V
- 03.8028.40.1V
- 03.8028.05A1V
- 03.8028.14.1V

**Casambi
- 03.8028.40.CB
- 03.8028.05ACB
- 03.8028.14.CB

28° MEDIUM



Luminous flux luminaire
1399 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	5799	0.49
2	1450	0.98
3	644	1.47
4	362	1.97
5	232	2.46

* Nur mit der Profilversion DALI, 1-10V kompatibel / Only compatible with DALI, 1-10V profile version .

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

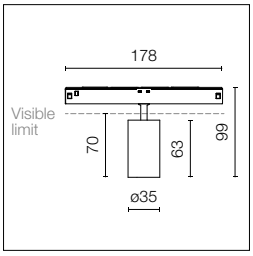
Zubehör / Accessories

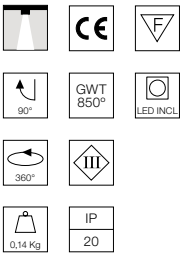
Anthony Spot

Elliptische Linse.	Elliptical lens.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Floodlinse. Zum Erreichen von Flood-Optik (35°), Anthony Spot Medium + Flood-Linse bestellen.	Flood lens. To obtain flood optics (35°) order Anthony Spot Medium + flood lens.		08.0050.00

Light Shadow Spot 30

Power LED 4,5W - 257 lm - 2700K/CRI 90 / 4,5W - 263 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

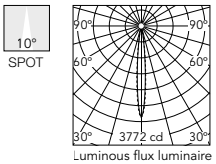
Optic Spot - 2700K

On board dimmer
- 05.9000.40
- 05.9000.14
- 05.9000.ER
- 05.9000.ES
- 05.9000.EQ

Dali 2
- 05.9000.40.DA
- 05.9000.14.DA
- 05.9000.ER.DA
- 05.9000.ES.DA
- 05.9000.EQ.DA

1-10V
- 05.9000.40.1V
- 05.9000.14.1V
- 05.9000.ER.1V
- 05.9000.ES.1V
- 05.9000.EQ.1V

Casambi
- 05.9000.40.CB
- 05.9000.14.CB
- 05.9000.ER.CB
- 05.9000.ES.CB
- 05.9000.EQ.CB



Luminous flux luminaire 209 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	3772 0.18
2	943 0.36
3	419 0.54
4	236 0.72
5	151 0.90

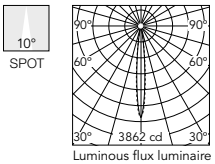
Optic Spot - 3000K

On board dimmer
- 05.9005.40
- 05.9005.14
- 05.9005.ER
- 05.9005.ES
- 05.9005.EQ

Dali 2
- 05.9005.40.DA
- 05.9005.14.DA
- 05.9005.ER.DA
- 05.9005.ES.DA
- 05.9005.EQ.DA

1-10V
- 05.9005.40.1V
- 05.9005.14.1V
- 05.9005.ER.1V
- 05.9005.ES.1V
- 05.9005.EQ.1V

Casambi
- 05.9005.40.CB
- 05.9005.14.CB
- 05.9005.ER.CB
- 05.9005.ES.CB
- 05.9005.EQ.CB



Luminous flux luminaire 214 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	3862 0.18
2	966 0.36
3	429 0.54
4	241 0.72
5	154 0.90

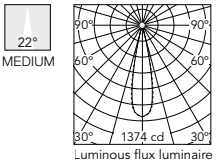
Optic Medium - 2700K

On board dimmer
- 05.9001.40
- 05.9001.14
- 05.9001.ER
- 05.9001.ES
- 05.9001.EQ

Dali 2
- 05.9001.40.DA
- 05.9001.14.DA
- 05.9001.ER.DA
- 05.9001.ES.DA
- 05.9001.EQ.DA

1-10V
- 05.9001.40.1V
- 05.9001.14.1V
- 05.9001.ER.1V
- 05.9001.ES.1V
- 05.9001.EQ.1V

Casambi
- 05.9001.40.CB
- 05.9001.14.CB
- 05.9001.ER.CB
- 05.9001.ES.CB
- 05.9001.EQ.CB



Luminous flux luminaire 201 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1374 0.39
2	344 0.78
3	153 1.17
4	86 1.56
5	55 1.95

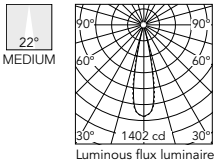
Optic Medium - 3000K

On board dimmer
- 05.9006.40
- 05.9006.14
- 05.9006.ER
- 05.9006.ES
- 05.9006.EQ

Dali 2
- 05.9006.40.DA
- 05.9006.14.DA
- 05.9006.ER.DA
- 05.9006.ES.DA
- 05.9006.EQ.DA

1-10V
- 05.9006.40.1V
- 05.9006.14.1V
- 05.9006.ER.1V
- 05.9006.ES.1V
- 05.9006.EQ.1V

Casambi
- 05.9006.40.CB
- 05.9006.14.CB
- 05.9006.ER.CB
- 05.9006.ES.CB
- 05.9006.EQ.CB



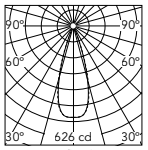
Luminous flux luminaire 205 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1402 0.39
2	350 0.78
3	156 1.17
4	88 1.56
5	56 1.95

Optic Flood - 2700K

On board dimmer

- 05.9002.40
- 05.9002.14
- 05.9002.ER
- 05.9002.ES
- 05.9002.EQ



Luminous flux luminaire
200 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Dali 2

- 05.9002.40.DA
- 05.9002.14.DA
- 05.9002.ER.DA
- 05.9002.ES.DA
- 05.9002.EQ.DA

1-10V

- 05.9002.40.1V
- 05.9002.14.1V
- 05.9002.ER.1V
- 05.9002.ES.1V
- 05.9002.EQ.1V

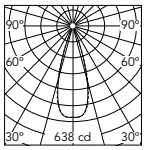
Casambi

- 05.9002.40.CB
- 05.9002.14.CB
- 05.9002.ER.CB
- 05.9002.ES.CB
- 05.9002.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9007.40
- 05.9007.14
- 05.9007.ER
- 05.9007.ES
- 05.9007.EQ



Luminous flux luminaire
204 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Dali 2

- 05.9007.40.DA
- 05.9007.14.DA
- 05.9007.ER.DA
- 05.9007.ES.DA
- 05.9007.EQ.DA

1-10V

- 05.9007.40.1V
- 05.9007.14.1V
- 05.9007.ER.1V
- 05.9007.ES.1V
- 05.9007.EQ.1V

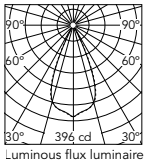
Casambi

- 05.9007.40.CB
- 05.9007.14.CB
- 05.9007.ER.CB
- 05.9007.ES.CB
- 05.9007.EQ.CB

Optic Wide Flood - 2700K

On board dimmer

- 05.9003.40
- 05.9003.14
- 05.9003.ER
- 05.9003.ES
- 05.9003.EQ



Luminous flux luminaire
209 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9003.40.DA
- 05.9003.14.DA
- 05.9003.ER.DA
- 05.9003.ES.DA
- 05.9003.EQ.DA

1-10V

- 05.9003.40.1V
- 05.9003.14.1V
- 05.9003.ER.1V
- 05.9003.ES.1V
- 05.9003.EQ.1V

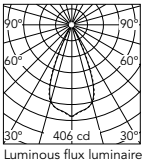
Casambi

- 05.9003.40.CB
- 05.9003.14.CB
- 05.9003.ER.CB
- 05.9003.ES.CB
- 05.9003.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9008.40
- 05.9008.14
- 05.9008.ER
- 05.9008.ES
- 05.9008.EQ



Luminous flux luminaire
214 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9008.40.DA
- 05.9008.14.DA
- 05.9008.ER.DA
- 05.9008.ES.DA
- 05.9008.EQ.DA

1-10V

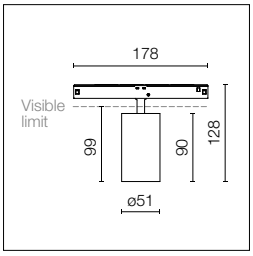
- 05.9008.40.1V
- 05.9008.14.1V
- 05.9008.ER.1V
- 05.9008.ES.1V
- 05.9008.EQ.1V

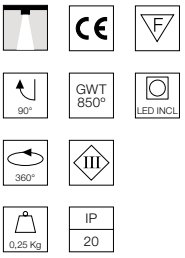
Casambi

- 05.9008.40.CB
- 05.9008.14.CB
- 05.9008.ER.CB
- 05.9008.ES.CB
- 05.9008.EQ.CB

Light Shadow Spot 45

LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90





LED-Modul für Akzentbeleuchtung, installierbar mit dem System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

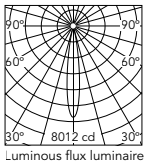
Optic Spot - 2700K

On board dimmer
- 05.9030.40
- 05.9030.14
- 05.9030.ER
- 05.9030.ES
- 05.9030.EQ

Dali 2
- 05.9030.40.DA
- 05.9030.14.DA
- 05.9030.ER.DA
- 05.9030.ES.DA
- 05.9030.EQ.DA

1-10V
- 05.9030.40.1V
- 05.9030.14.1V
- 05.9030.ER.1V
- 05.9030.ES.1V
- 05.9030.EQ.1V

Casambi
- 05.9030.40.CB
- 05.9030.14.CB
- 05.9030.ER.CB
- 05.9030.ES.CB
- 05.9030.EQ.CB



Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

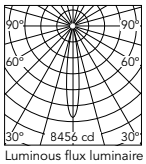
Optic Spot - 3000K

On board dimmer
- 05.9035.40
- 05.9035.14
- 05.9035.ER
- 05.9035.ES
- 05.9035.EQ

Dali 2
- 05.9035.40.DA
- 05.9035.14.DA
- 05.9035.ER.DA
- 05.9035.ES.DA
- 05.9035.EQ.DA

1-10V
- 05.9035.40.1V
- 05.9035.14.1V
- 05.9035.ER.1V
- 05.9035.ES.1V
- 05.9035.EQ.1V

Casambi
- 05.9035.40.CB
- 05.9035.14.CB
- 05.9035.ER.CB
- 05.9035.ES.CB
- 05.9035.EQ.CB



Luminous flux luminaire 686 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

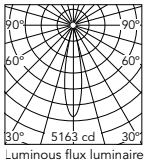
Optic Medium - 2700K

On board dimmer
- 05.9031.40
- 05.9031.14
- 05.9031.ER
- 05.9031.ES
- 05.9031.EQ

Dali 2
- 05.9031.40.DA
- 05.9031.14.DA
- 05.9031.ER.DA
- 05.9031.ES.DA
- 05.9031.EQ.DA

1-10V
- 05.9031.40.1V
- 05.9031.14.1V
- 05.9031.ER.1V
- 05.9031.ES.1V
- 05.9031.EQ.1V

Casambi
- 05.9031.40.CB
- 05.9031.14.CB
- 05.9031.ER.CB
- 05.9031.ES.CB
- 05.9031.EQ.CB



Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

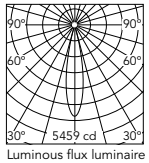
Optic Medium - 3000K

On board dimmer
- 05.9036.40
- 05.9036.14
- 05.9036.ER
- 05.9036.ES
- 05.9036.EQ

Dali 2
- 05.9036.40.DA
- 05.9036.14.DA
- 05.9036.ER.DA
- 05.9036.ES.DA
- 05.9036.EQ.DA

1-10V
- 05.9036.40.1V
- 05.9036.14.1V
- 05.9036.ER.1V
- 05.9036.ES.1V
- 05.9036.EQ.1V

Casambi
- 05.9036.40.CB
- 05.9036.14.CB
- 05.9036.ER.CB
- 05.9036.ES.CB
- 05.9036.EQ.CB



Luminous flux luminaire 682 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

On board dimmer

- 05.9032.40
- 05.9032.14
- 05.9032.ER
- 05.9032.ES
- 05.9032.EQ

Dali 2

- 05.9032.40.DA
- 05.9032.14.DA
- 05.9032.ER.DA
- 05.9032.ES.DA
- 05.9032.EQ.DA

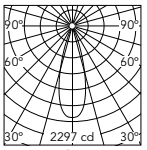
1-10V

- 05.9032.40.1V
- 05.9032.14.1V
- 05.9032.ER.1V
- 05.9032.ES.1V
- 05.9032.EQ.1V

Casambi

- 05.9032.40.CB
- 05.9032.14.CB
- 05.9032.ER.CB
- 05.9032.ES.CB
- 05.9032.EQ.CB

FLOOD



Luminous flux luminaire
646 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

On board dimmer

- 05.9037.40
- 05.9037.14
- 05.9037.ER
- 05.9037.ES
- 05.9037.EQ

Dali 2

- 05.9037.40.DA
- 05.9037.14.DA
- 05.9037.ER.DA
- 05.9037.ES.DA
- 05.9037.EQ.DA

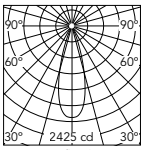
1-10V

- 05.9037.40.1V
- 05.9037.14.1V
- 05.9037.ER.1V
- 05.9037.ES.1V
- 05.9037.EQ.1V

Casambi

- 05.9037.40.CB
- 05.9037.14.CB
- 05.9037.ER.CB
- 05.9037.ES.CB
- 05.9037.EQ.CB

FLOOD



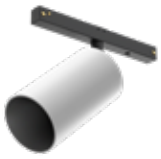
Luminous flux luminaire
682 lm

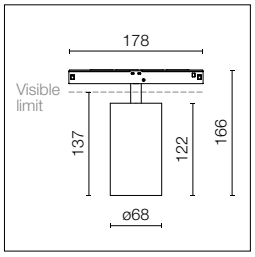
Beam Angle: 31°

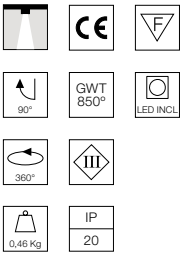
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Light Shadow Spot 60

Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90







LED-Modul für Akzentbeleuchtung, installierbar mit dem System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

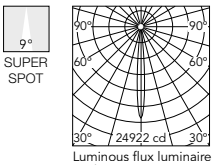
Optic Super Spot - 2700K

On board dimmer
- 05.9060.40
- 05.9060.14
- 05.9060.ER
- 05.9060.ES
- 05.9060.EQ

Dali 2
- 05.9060.40.DA
- 05.9060.14.DA
- 05.9060.ER.DA
- 05.9060.ES.DA
- 05.9060.EQ.DA

1-10V
- 05.9060.40.1V
- 05.9060.14.1V
- 05.9060.ER.1V
- 05.9060.ES.1V
- 05.9060.EQ.1V

Casambi
- 05.9060.40.CB
- 05.9060.14.CB
- 05.9060.ER.CB
- 05.9060.ES.CB
- 05.9060.EQ.CB



Luminous flux luminaire 765 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	24922	0.16
2	6230	0.32
3	2769	0.48
4	1558	0.64
5	997	0.80

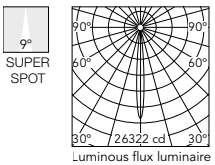
Optic Super Spot - 3000K

On board dimmer
- 05.9065.40
- 05.9065.14
- 05.9065.ER
- 05.9065.ES
- 05.9065.EQ

Dali 2
- 05.9065.40.DA
- 05.9065.14.DA
- 05.9065.ER.DA
- 05.9065.ES.DA
- 05.9065.EQ.DA

1-10V
- 05.9065.40.1V
- 05.9065.14.1V
- 05.9065.ER.1V
- 05.9065.ES.1V
- 05.9065.EQ.1V

Casambi
- 05.9065.40.CB
- 05.9065.14.CB
- 05.9065.ER.CB
- 05.9065.ES.CB
- 05.9065.EQ.CB



Luminous flux luminaire 808 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	26322	0.16
2	6581	0.32
3	2925	0.48
4	1645	0.64
5	1053	0.80

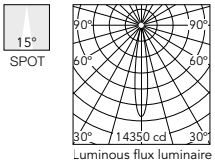
Optic Spot - 2700K

On board dimmer
- 05.9061.40
- 05.9061.14
- 05.9061.ER
- 05.9061.ES
- 05.9061.EQ

Dali 2
- 05.9061.40.DA
- 05.9061.14.DA
- 05.9061.ER.DA
- 05.9061.ES.DA
- 05.9061.EQ.DA

1-10V
- 05.9061.40.1V
- 05.9061.14.1V
- 05.9061.ER.1V
- 05.9061.ES.1V
- 05.9061.EQ.1V

Casambi
- 05.9061.40.CB
- 05.9061.14.CB
- 05.9061.ER.CB
- 05.9061.ES.CB
- 05.9061.EQ.CB



Luminous flux luminaire 1251 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14350	0.27
2	3587	0.54
3	1594	0.81
4	897	1.09
5	574	1.36

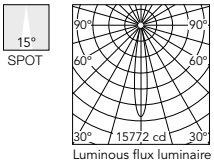
Optic Spot - 3000K

On board dimmer
- 05.9066.40
- 05.9066.14
- 05.9066.ER
- 05.9066.ES
- 05.9066.EQ

Dali 2
- 05.9066.40.DA
- 05.9066.14.DA
- 05.9066.ER.DA
- 05.9066.ES.DA
- 05.9066.EQ.DA

1-10V
- 05.9066.40.1V
- 05.9066.14.1V
- 05.9066.ER.1V
- 05.9066.ES.1V
- 05.9066.EQ.1V

Casambi
- 05.9066.40.CB
- 05.9066.14.CB
- 05.9066.ER.CB
- 05.9066.ES.CB
- 05.9066.EQ.CB



Luminous flux luminaire 1375 lm

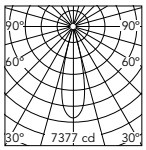
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	15772	0.27
2	3943	0.54
3	1752	0.81
4	986	1.09
5	631	1.36

Optic Medium - 2700K

On board dimmer

- 05.9062.40
- 05.9062.14
- 05.9062.ER
- 05.9062.ES
- 05.9062.EQ



Luminous flux luminaire
1298 lm

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	7377	0.45
2	1844	0.91
3	820	1.36
4	461	1.82
5	295	2.27

Dali 2

- 05.9062.40.DA
- 05.9062.14.DA
- 05.9062.ER.DA
- 05.9062.ES.DA
- 05.9062.EQ.DA

1-10V

- 05.9062.40.1V
- 05.9062.14.1V
- 05.9062.ER.1V
- 05.9062.ES.1V
- 05.9062.EQ.1V

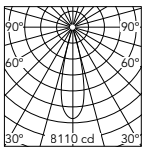
Casambi

- 05.9062.40.CB
- 05.9062.14.CB
- 05.9062.ER.CB
- 05.9062.ES.CB
- 05.9062.EQ.CB

Optic Medium - 3000K

On board dimmer

- 05.9067.40
- 05.9067.14
- 05.9067.ER
- 05.9067.ES
- 05.9067.EQ



Luminous flux luminaire
1427 lm

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	8110	0.45
2	2027	0.91
3	901	1.36
4	507	1.82
5	324	2.27

Dali 2

- 05.9067.40.DA
- 05.9067.14.DA
- 05.9067.ER.DA
- 05.9067.ES.DA
- 05.9067.EQ.DA

1-10V

- 05.9067.40.1V
- 05.9067.14.1V
- 05.9067.ER.1V
- 05.9067.ES.1V
- 05.9067.EQ.1V

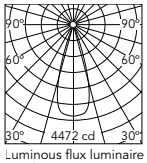
Casambi

- 05.9067.40.CB
- 05.9067.14.CB
- 05.9067.ER.CB
- 05.9067.ES.CB
- 05.9067.EQ.CB

Optic Flood - 2700K

On board dimmer

- 05.9063.40
- 05.9063.14
- 05.9063.ER
- 05.9063.ES
- 05.9063.EQ



Luminous flux luminaire
1304 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4472	0.60
2	1118	1.20
3	497	1.80
4	279	2.40
5	179	3.00

Dali 2

- 05.9063.40.DA
- 05.9063.14.DA
- 05.9063.ER.DA
- 05.9063.ES.DA
- 05.9063.EQ.DA

1-10V

- 05.9063.40.1V
- 05.9063.14.1V
- 05.9063.ER.1V
- 05.9063.ES.1V
- 05.9063.EQ.1V

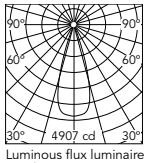
Casambi

- 05.9063.40.CB
- 05.9063.14.CB
- 05.9063.ER.CB
- 05.9063.ES.CB
- 05.9063.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9068.40
- 05.9068.14
- 05.9068.ER
- 05.9068.ES
- 05.9068.EQ



Luminous flux luminaire
1431 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4907	0.60
2	1227	1.20
3	545	1.80
4	307	2.40
5	196	3.00

Dali 2

- 05.9068.40.DA
- 05.9068.14.DA
- 05.9068.ER.DA
- 05.9068.ES.DA
- 05.9068.EQ.DA

1-10V

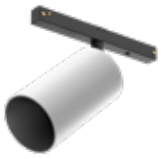
- 05.9068.40.1V
- 05.9068.14.1V
- 05.9068.ER.1V
- 05.9068.ES.1V
- 05.9068.EQ.1V

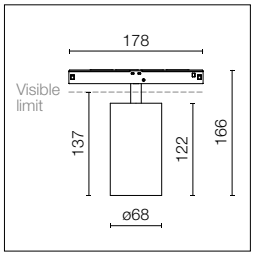
Casambi

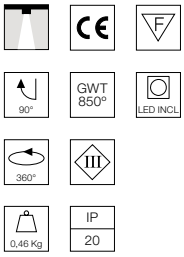
- 05.9068.40.CB
- 05.9068.14.CB
- 05.9068.ER.CB
- 05.9068.ES.CB
- 05.9068.EQ.CB

Light Shadow Spot 60

Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90







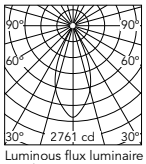
LED-Modul für Akzentbeleuchtung, installierbar mit dem System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten eignen sich Versionen mit integriertem Casambi-Modul.
Verfügbares Zubehör (Honeycomb und Dichrofilter CCT).

LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Optic Wide Flood - 2700K

On board dimmer

- 05.9064.40
- 05.9064.14
- 05.9064.ER
- 05.9064.ES
- 05.9064.EQ



Luminous flux luminaire
1268 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2761	0.79
2	690	1.59
3	307	2.38
4	173	3.17
5	110	3.97

Dali 2

- 05.9064.40.DA
- 05.9064.14.DA
- 05.9064.ER.DA
- 05.9064.ES.DA
- 05.9064.EQ.DA

1-10V

- 05.9064.40.1V
- 05.9064.14.1V
- 05.9064.ER.1V
- 05.9064.ES.1V
- 05.9064.EQ.1V

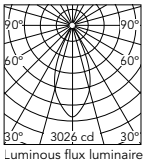
Casambi

- 05.9064.40.CB
- 05.9064.14.CB
- 05.9064.ER.CB
- 05.9064.ES.CB
- 05.9064.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9069.40
- 05.9069.14
- 05.9069.ER
- 05.9069.ES
- 05.9069.EQ



Luminous flux luminaire
1390 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	3026	0.79
2	757	1.59
3	336	2.38
4	189	3.17
5	121	3.97

Dali 2

- 05.9069.40.DA
- 05.9069.14.DA
- 05.9069.ER.DA
- 05.9069.ES.DA
- 05.9069.EQ.DA

1-10V

- 05.9069.40.1V
- 05.9069.14.1V
- 05.9069.ER.1V
- 05.9069.ES.1V
- 05.9069.EQ.1V

Casambi

- 05.9069.40.CB
- 05.9069.14.CB
- 05.9069.ER.CB
- 05.9069.ES.CB
- 05.9069.EQ.CB

Zubehör / Accessories

Light Shadow Spot 30

Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

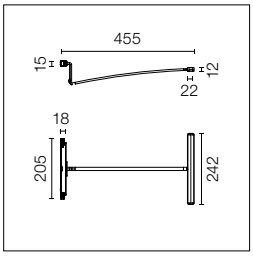
Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

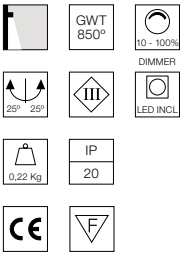
Light Shadow Spot 60

Wabenraster	Honeycomb		Super Spot 08.0175.14
			Spot / Medium / Flood / Wide Flood 08.0176.14
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase Super Spot 2700K >> 3125±75K 3000K >> 3600±75K 08.0796.00
			Spot / Medium / Flood / Wide Flood 2700K >> 3125±75K 3000K >> 3600±75K 08.0798.00
			Decrease Super Spot 2700K >> 2450±75K 3000K >> 2700±75K 08.0797.00
			Spot / Medium / Flood / Wide Flood 2700K >> 2450±75K 3000K >> 2700±75K 08.0799.00

Wallee Designed By Niels Bendtsen

Top LED 10W - 773 lm - 2700K/CRI 90 / 10W - 818 lm - 3000K/CRI 90





LED-Modul zur Installation in das System The Tracking Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

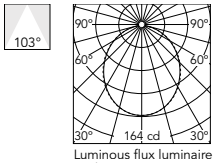
Die Montage von Wallee erfordert u.U. manuelle Justierung durch den Kunden/Monteur.
Informationen dazu finden Sie in der Gebrauchsanweisung.
Nur zulässig für horizontale und Einbau-Installation mit Tracking Magnet.
Rahmenhalterung für bis zu 5 kg inbegriffen.

Lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

When installing Wallee, it may require a manual adjustment by the client/installer. Find information on how to carry out this adjustment in the instruction sheets.
Only allowed with Tracking Magnet Recessed and horizontal installation.
Includes frame holder up to 5kg.

2700K
On board dimmer
03.8090.40
03.8090.14

*Casambi
03.8090.40.CB
03.8090.14.CB



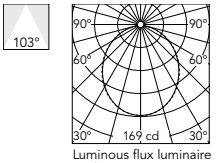
Luminous flux luminaire
431 lm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	164	2.50
2	41	5.00
3	18	7.49
4	10	9.99
5	7	12.49

3000K
On board dimmer
03.8091.40
03.8091.14

*Casambi
03.8091.40.CB
03.8091.14.CB



Luminous flux luminaire
446 lm

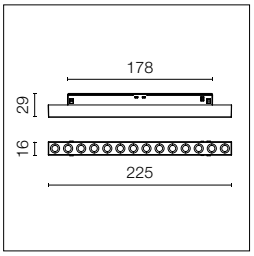
Beam Angle: 103°

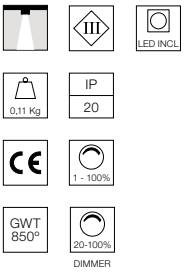
h(m)	E(lx)	D(m)
1	169	2.50
2	42	5.00
3	19	7.49
4	11	9.99
5	7	12.49

* Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Multi Spot Mini

Power LED 7,5W - 635 lm - 2700K/CRI 90 / 7,5W - 650 lm - 3000K/CRI 90





LED-Beleuchtungsmodul mit 14 Scheinwerfern und geringer Blendung für den Einbau in das System The Running Magnet.
Für die kabellose Steuerung der Leuchten sind die integrierten Casambi-Versionen auszuwählen.

LED lighting module with 14 spotlights and low glare, to be installed in The Tracking Magnet system.
For wireless lighting control, choose integrated Casambi versions.

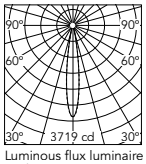
Optic Spot - 2700K

On board dimmer
- ☐ 05.3550.40
- ■ 05.3550.14

Dali 2
- ☐ 05.3550.40.DA
- ■ 05.3550.14.DA

1-10V
- ☐ 05.3550.40.1V
- ■ 05.3550.14.1V

*Casambi
- ☐ 05.3550.40.CB
- ■ 05.3550.14.CB



Luminous flux luminaire
398 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3719	0.27
2	930	0.54
3	413	0.81
4	232	1.08
5	149	1.35

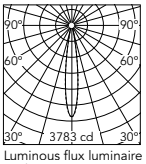
Optic Spot - 3000K

On board dimmer
- ☐ 05.3551.40
- ■ 05.3551.14

Dali 2
- ☐ 05.3551.40.DA
- ■ 05.3551.14.DA

1-10V
- ☐ 05.3551.40.1V
- ■ 05.3551.14.1V

*Casambi
- ☐ 05.3551.40.CB
- ■ 05.3551.14.CB



Luminous flux luminaire
405 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3783	0.27
2	946	0.54
3	420	0.81
4	236	1.08
5	151	1.35

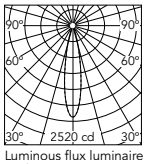
Optic Medium - 2700K

On board dimmer
- ☐ 05.3552.40
- ■ 05.3552.14

Dali 2
- ☐ 05.3552.40.DA
- ■ 05.3552.14.DA

1-10V
- ☐ 05.3552.40.1V
- ■ 05.3552.14.1V

*Casambi
- ☐ 05.3552.40.CB
- ■ 05.3552.14.CB



Luminous flux luminaire
424 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2520	0.36
2	630	0.72
3	280	1.08
4	158	1.44
5	101	1.80

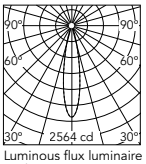
Optic Medium - 3000K

On board dimmer
- ☐ 05.3553.40
- ■ 05.3553.14

Dali 2
- ☐ 05.3553.40.DA
- ■ 05.3553.14.DA

1-10V
- ☐ 05.3553.40.1V
- ■ 05.3553.14.1V

*Casambi
- ☐ 05.3553.40.CB
- ■ 05.3553.14.CB



Luminous flux luminaire
431 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2564	0.36
2	641	0.72
3	285	1.08
4	160	1.44
5	103	1.80

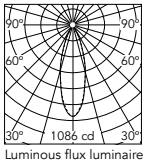
Optic Flood - 2700K

On board dimmer
- ☐ 05.3554.40
- ■ 05.3554.14

Dali 2
- ☐ 05.3554.40.DA
- ■ 05.3554.14.DA

1-10V
- ☐ 05.3554.40.1V
- ■ 05.3554.14.1V

*Casambi
- ☐ 05.3554.40.CB
- ■ 05.3554.14.CB



Luminous flux luminaire
391 lm (EXTREME CUT OFF)

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1086	0.58
2	271	1.15
3	121	1.73
4	68	2.30
5	43	2.88

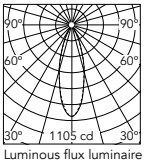
Optic Flood - 3000K

On board dimmer
- ☐ 05.3555.40
- ■ 05.3555.14

Dali 2
- ☐ 05.3555.40.DA
- ■ 05.3555.14.DA

1-10V
- ☐ 05.3555.40.1V
- ■ 05.3555.14.1V

*Casambi
- ☐ 05.3555.40.CB
- ■ 05.3555.14.CB



Luminous flux luminaire
397 lm (EXTREME CUT OFF)

Beam Angle: 32°

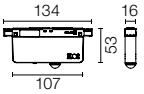
h(m)	E(lx)	D(m)
1	1105	0.58
2	276	1.15
3	123	1.73
4	69	2.30
5	44	2.88

* Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Multifunction Smart Device

Multifunktionales Smart Device.
Dreifachfunktionalität 3x1: Casambi Signalverstärker, Lichtsensor und Präsenzmelder.
FLOS Control® by Casambi.

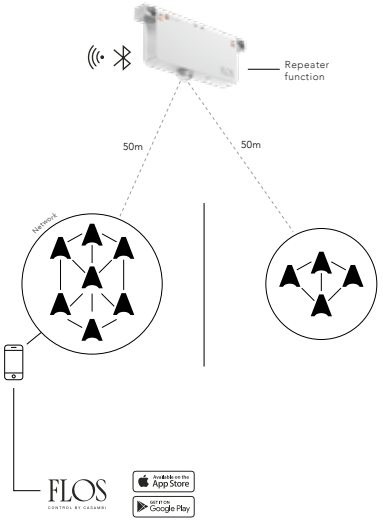
Multifunction Smart Device.
Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.



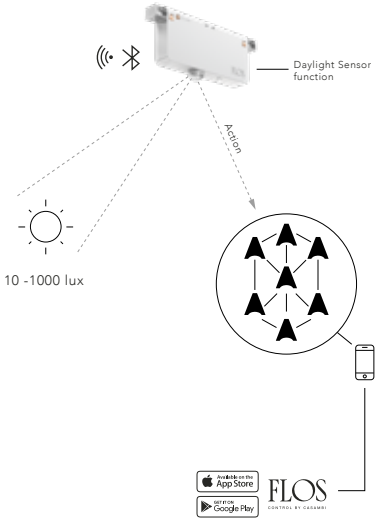
06.1988.40
06.1988.14

Multifunction Smart Device. Triple Functionality 3x1

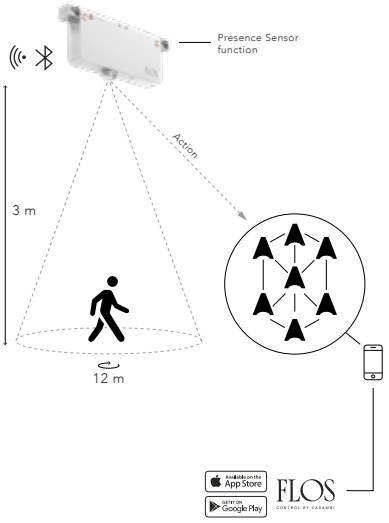
Repeater



Daylight Sensor



Presence Sensor

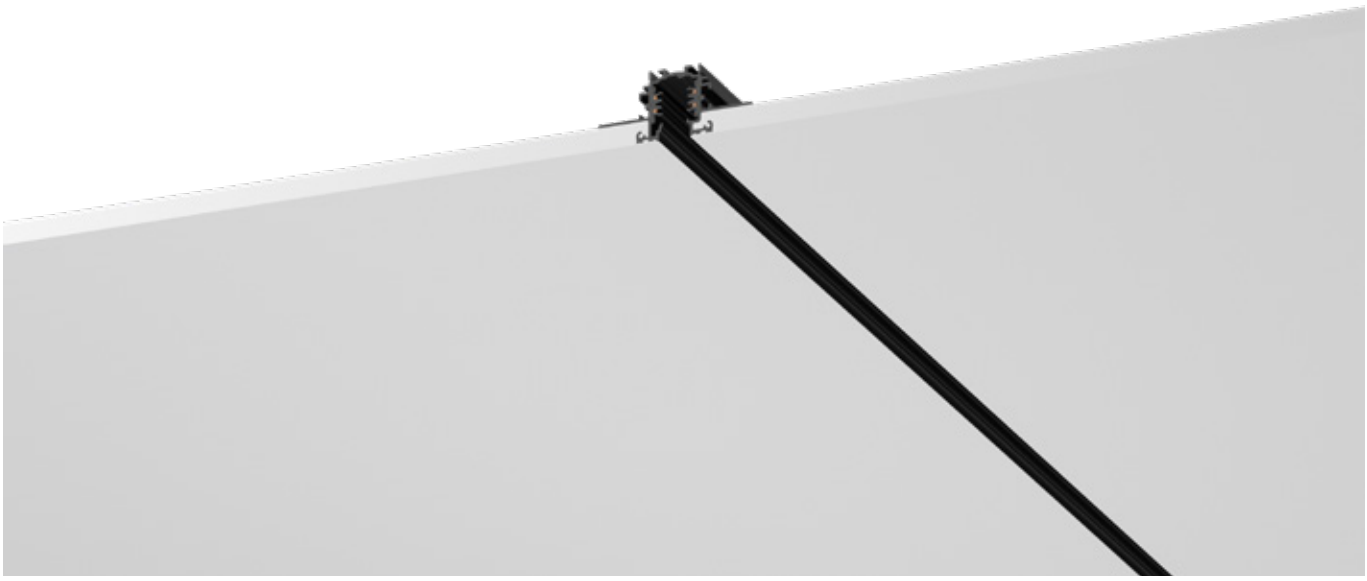


▲ Casambi object

NEW

THE TRACKING POWER EVO

DESIGNED BY FLOS ARCHITECTURAL



14 Schwarz
14 Black

LIGHT MODULES

UT PRO 150

LIGHT SOURCE
LED ARRAY
21W
2524 lm
3000K/CRI 80
2183 lm
3000K/CRI 90
2360 lm
4000K/CRI 90

UT PRO 175

LIGHT SOURCE
LED ARRAY
46,5W
4740 lm
3000K/CRI 80
3960 lm
3000K/CRI 90
4278 lm
4000K/CRI 90

UT PRO WALL-WASHER

LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

WORKMATES IN-TRACK SMALL

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 15,5W
CRI 90
1817 lm / 3000K
1831 lm / 3500K
1858 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 15,5W
CRI 98
1346 lm / 3000K
1357 lm / 3500K
1369 lm / 4000K

WORKMATES IN-TRACK LARGE

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 22W
CRI 90
2726 lm / 3000K
2758 lm / 3500K
2786 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 22W
CRI 98
2018 lm / 3000K
2036 lm / 3500K
2053 lm / 4000K

Produktbeschreibung
Exklusives Drei-Phasen-Profil zur Innenbeleuchtung, in Einbauversion, das sich dank seiner geringen optischen Wirkung komplett in die Architektur integriert.
Die Konstruktionsprofile von Tracking Power EVO wurden aus schwarzem, extrudiertem Aluminium gefertigt und besitzen elektrische Leitungen, an denen die Leuchten mit dem exklusiven FLOS Befestigungssystem installiert werden.
Die Familie Tracking Power EVO erstreckt sich auf eine breite Palette von Projektoren, die in Verbindung mit einer exklusiven Elektronik, die in den Leuchtenkörper integriert ist, unnötiges Volumen beseitigen und dadurch eine großartige Integration ermöglichen.
Außerdem sind diese Projektoren ebenfalls mit dreiphasigen Standard-Profilen erhältlich.

Optisches System
Die Lichtmodule PRO 150 und UT Pro 175 sind in Spot, Medium und Flood Optik erhältlich und besitzen einen hocheffizienten Reflektor aus Borosilikatglas.
Das Lichtmodul UT Pro Wall-Washer sorgt als hochqualitative Wandeinbauleuchte für eine gleichmäßige Lichtverteilung.
Workmates In-Track (*Small* & *Large*).

Zubehör – UT-Module
Querabschirmung, elliptische Linse, Flood und Honeycomb Linse für die Module zur Akzentbeleuchtung UT Pro 150 und UT Pro 175 erhältlich.

Zusätzliche Angaben
Die 'IN TRACK'-Leuchten haben einen kleinen Adapter, der bei Installation, der speziell für den Gebrauch in FLOS Tracking Power EVO Profilen entworfen wurde, und sich nach dem Einbau vollkommen ins Profil integriert.
Dennoch sind diese Leuchten ebenfalls mit dem Standard-Nordic-GA69-Adapter erhältlich für eine Installation in FLOS dreiphasige Standard-Profile. Kompatibilität mit Dreiphasenschienen der Hersteller Nordic, Eutrac, Erco, Zumtobel und iGuzzini ist gewährleistet.
- UT Pro Wall-Washer:
Dali-Version mit GA-600-Adapter verfügbar.
Schutzgrad IP20.
- Profile:
Einbauversion, nur in Gipskartondecken mit einer Stärke von 12,5 mm einbaubar.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Exclusive 3-phase lighting profile for indoor use in recessed version that, thanks to its low visual impact, offers a complete integration into the architecture.
Tracking Power EVO's structural profiles are manufactured in black extruded aluminium, fitted with electric tracks where luminaries are installed using the exclusive Flos mounting system.
The Tracking Power EVO family is completed with a wide range of projectors which, combined with exclusive electronics integrated into the body of the luminaire, eliminate unnecessary volume and, as a result, have greater integration.
Moreover, the projectors are also available with standard 3-phase profiles.

Optic System
Light modules UT Pro 150 and UT Pro 175 are available with spot, medium and flood optics and a built-in high-efficiency borosilicate glass reflector.
The light module UT Pro Wall-Washer brings a uniform light distribution in a high-performance wall-washer.
Workmates In-Track (*Small* & *Large*).

Accessories – UT Modules
Shielding cylinder, elliptical lens, flood and honeycomb lens for accent lighting modules UT Pro 150 and UT Pro 175 available.

Additional Information
IN TRACK luminaries mount a compact adapter that, once installed, is completely integrated within the profile, especially designed for FLOS profile The Tracking Power EVO.
However, the same luminaries are available with a standard Nordic GA69 adapter for installation on FLOS standard 3-phase profiles FLOS.Guaranteed compatibility with 3-phase tracks manufactured by Nordic, Eutrac, Erco, Zumtobel and iGuzzini.
- UT Pro Wall-Washer:
Dali version available with GA-600 adaptor.
IP20 protection grade.
- Profile:
Recessed version that can only be installed in plasterboard ceilings that are 12,5 mm thick.
Suitable for installation on normally inflammable surfaces.

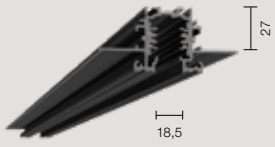
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

NEW

HOW TO ORDER

1 CHOOSE YOUR LENGTH



L: 1 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

End-Feed Right or Left	L-Joint Inner or Outer
Jointing Connector 	Insulating Connector

End Cap No End-Feed

Accessories

Fast Fixing Clamp M6
(Optional)

NEW

3 SELECT A LIGHT MODULE

UT Pro 150

On board dimmer

S/M/F

UT Pro 175

On board dimmer

S/M/F

UT Pro Wall-Washer

Non dimmable

Wall-Washer

WORKMATES IN-TRACK SMALL

No DIM / DALI

WIDE FLOOD / OVAL / HIGH COMFORT

WORKMATES IN-TRACK LARGE

No DIM / DALI

WIDE FLOOD / OVAL / HIGH COMFORT

NEW

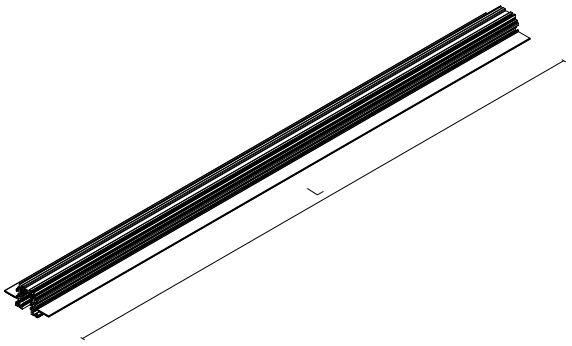
THE TRACKING POWER EVO — PROFILES

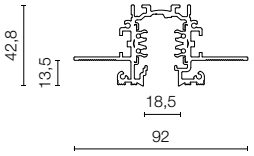
Profile

Dreiphasen-Profile mit minimaler Auswirkung auf die Architektur für den Einbau in Gipskartondecken.
Gerade Schienen sind in drei Längen erhältlich: 1 / 2 / 3 m.
90°-Winkel in der gleichen Ebene (entsprechende Elemente für linke und rechte Ecken) erhältlich.
Zum Verbinden mehrerer Profile wird ein Verbindungsstück benötigt.
Versorgungsanschlüsse für die Installation auf der linken oder rechten Seite erhältlich.
Zur Befestigung werden die Flügel des Tracking Power EVO Profils mithilfe von Befestigungsprofilen aus Aluminium auf der Gipskartonoberfläche angeschraubt.
Der Befestigungssatz an absenkbarer Decke (optional) ermöglicht die Installation ohne Aluminium-Befestigungsprofile. Empfohlen für Anwendungen, bei denen zuerst das Tracking Power EVO Profil und anschließend die absenkbare Gipskartondecke installiert werden kann.

Profiles

Three-phase profile with minimum impact on the architecture for embedded installations in plasterboard ceilings.
Linear profiles available in three lengths: 1 / 2 / 3 m.
90° corners on the same plane are also available (different elements for the left and right corners).
A linear intermediate connector is required to connect several profiles. Power supply connectors available for the installation on the left or right-hand side.
The fastening of the Tracking Power EVO is performed by screwing the sides of the profile to the plasterboard surface, aided by aluminium fastening profiles.
The adjustable ceiling fastening kit (optional) permits the installation without the need for fastening aluminium profiles. Recommended for installations where the Tracking Power EVO profile can be installed before the suspended plasterboard.





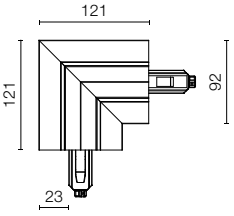
Dimmable
L: 1000 mm
ATP0001A0EAB1
L: 2000 mm
ATP0002A0EAB1
L: 3000 mm
ATP0003A0EAB1

L: 1 m / 2 m / 3 m

---

90 ° Winkel.
Mit elektrischer Einspeisung.

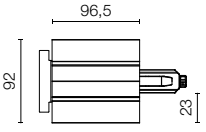
90° Corner.
With electrical feeding connection.

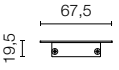


L-Joint Inner
ATP0105A0EAB1
L-Joint Outer
ATP0106A0EAB1

Versorgungsanschluss. Endkappe inbegriffen.

Feed connector. End cap included.

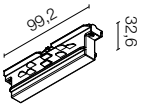




End-Feed Right
ATP0101A0EAB1
End-Feed Left
ATP0102A0EAB1

Inearer verbinder.

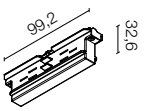
Jointing Connector.



ATP0103A0EAB1

Nichtleitende verbindung.

Insulating Connector.



ATP0104A0EAB1

NEW

Zange zum kürzen der kupferleiter.

Cutting tool for track conductors.

ATP0201A0EAZZ

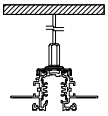
Endkappe.

End Cap.

ATP0205A0EAB1

Befestigungssatz an absenkbare decke (fakultativ). Set mit 2 stück.

Adjustable ceiling kit (optional). 2 unit kit.

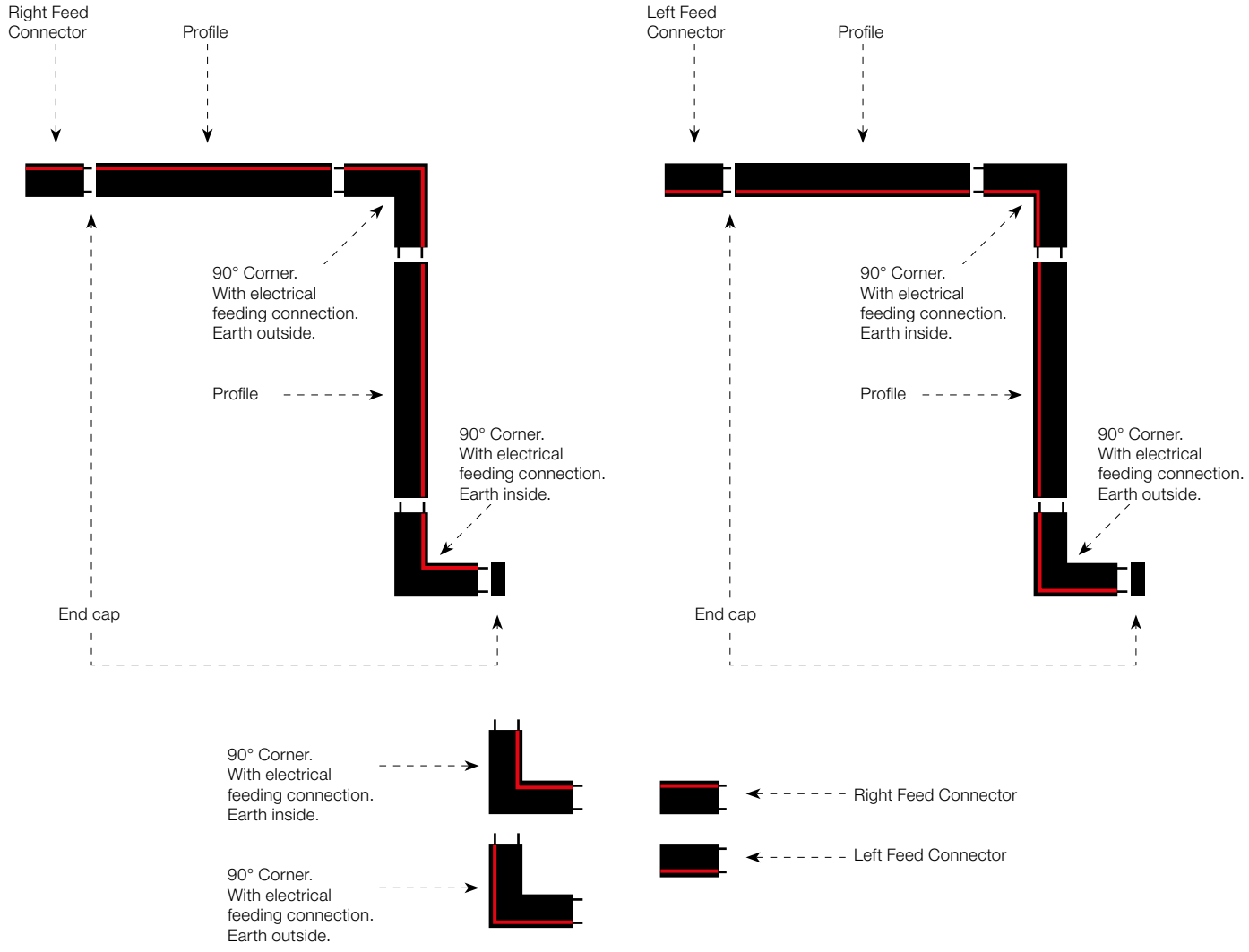


ATP0202A0EAB1

Profile (mm)	Quantities Ceiling Kit
1000	1
2000	2
3000	3

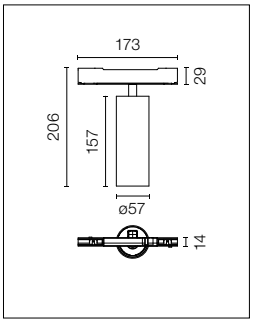
Um die Sicherheit der Elektroinstallation zu gewährleisten, ist das Tracking Power EVO Profil asymmetrisch konzipiert und ermöglicht eine einzigartige Weise der Installation von Lichtquellen.
In der Illustration wird die Position der Neutralschiene (rote Linie) für die verschiedenen möglichen Konfigurationen dargestellt. Sie muss den Anforderungen der jeweiligen Installation entsprechend und unter Berücksichtigung der Stromkontinuität angepasst werden.

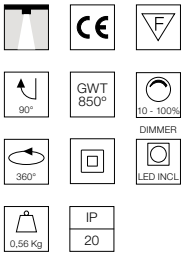
The Tracking Power EVO profile is asymmetric to ensure the electric safety in the installation, and it provides a unique form in the installation of luminaires.
The diagram shows the position of the neutral track (red line) for the different possible configurations, which must be composed according to the requirements for each installation, respecting the electric continuity.



UT Pro 150

LED Array 21W - 2524 lm - 3000K/CRI 80 / 21W - 2183 lm - 3000K/CRI 90 / 21W - 2360 lm - 4000K/CRI 90





Finishes Available

Scheinwerfer mit LED Lichtquelle zum Einbau in Tracking Power EVO Profil. Netzgerät mit 120-277V inbegriffen. Es enthält Hochleistungsreflektor.

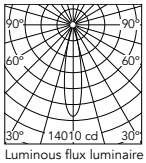
Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed in Tracking Power EVO profile with LED light source. 120-277V power supply integrated. High performance reflector included.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

3000K - CRI 80
On board dimmer
09.7210.40D
09.7210.14C
All White
09.7210.40C78

21° SPOT

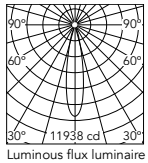


Luminous flux luminaire 2266 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 14010	0.37
2 3503	0.74
3 1557	1.11
4 876	1.48
5 560	1.85

3000K - CRI 90
On board dimmer
09.7216.40D
09.7216.14D
All White
09.7216.40D78

21° SPOT

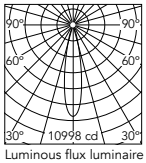


Luminous flux luminaire 1931 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 11938	0.37
2 2984	0.74
3 1326	1.11
4 746	1.48
5 478	1.85

4000K - CRI 90
On board dimmer
09.7211.40C
09.7211.14C
All White
09.7211.40C78

21° SPOT

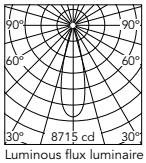


Luminous flux luminaire 1779 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 10998	0.37
2 2750	0.74
3 1222	1.11
4 687	1.48
5 440	1.85

3000K - CRI 80
On board dimmer
09.7212.40C
09.7212.14C
All White
09.7212.40C78

27° MEDIUM

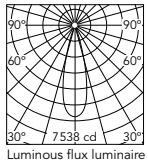


Luminous flux luminaire 1902 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 8715	0.49
2 2179	0.98
3 968	1.47
4 545	1.96
5 349	2.44

3000K - CRI 90
On board dimmer
09.7217.40D
09.7217.14D
All White
09.7217.40D78

27° MEDIUM

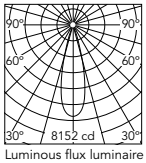


Luminous flux luminaire 1645 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 7538	0.49
2 1884	0.98
3 838	1.47
4 471	1.96
5 302	2.44

4000K - CRI 90
On board dimmer
09.7213.40C
09.7213.14C
All White
09.7213.40C78

27° MEDIUM

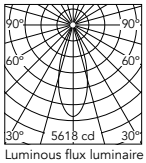


Luminous flux luminaire 1779 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 8152	0.49
2 2038	0.98
3 906	1.47
4 509	1.96
5 326	2.44

3000K - CRI 80
On board dimmer
09.7214.40C
09.7214.14C
All White
09.7214.40C78

35° FLOOD

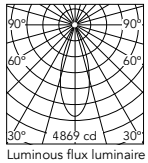


Luminous flux luminaire 1898 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 5618	0.64
2 1404	1.27
3 624	1.91
4 351	2.54
5 225	3.18

3000K - CRI 90
On board dimmer
09.7218.40D
09.7218.14D
All White
09.7218.40D78

36° FLOOD

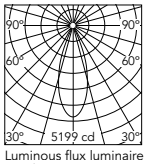


Luminous flux luminaire 1666 lm

Beam Angle:	36°
h(m) E(lx)	D(m)
1 4869	0.64
2 1217	1.28
3 541	1.92
4 304	2.56
5 195	3.20

4000K - CRI 90
On board dimmer
09.7215.40C
09.7215.14C
All White
09.7215.40C78

36° FLOOD

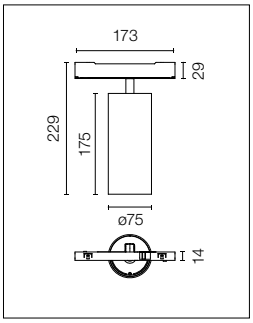


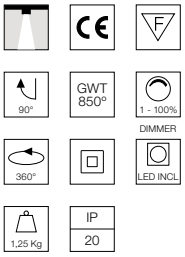
Luminous flux luminaire 1779 lm

Beam Angle:	36°
h(m) E(lx)	D(m)
1 5199	0.64
2 1300	1.28
3 578	1.92
4 325	2.56
5 208	3.20

UT Pro 175

LED Array 46,5W - 4740 lm - 3000K/CRI 80 / 3960 lm - 3000K/CRI 90 / 4278 lm - 4000K/CRI 90





Finishes Available

Scheinwerfer mit LED Lichtquelle zum Einbau in Tracking Power EVO Profil. Netzgerät mit 120-277V inbegriffen. Es enthält Hochleistungsreflektor.

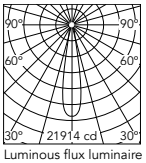
Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed in Tracking Power EVO profile with LED light source. 120-277V power supply integrated. High performance reflector included.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

3000K - CRI 80
On board dimmer
09.7300.40B
09.7300.14B
All White
09.7300.40B78

20° SPOT

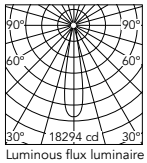


Luminous flux luminaire 3638 lm

Beam Angle:	20°
h(m) E(lx)	D(m)
1 21906	0.35
2 5477	0.70
3 2434	1.04
4 1369	1.39
5 876	1.74

3000K - CRI 90
On board dimmer
09.7301.40B
09.7301.14B
All White
09.7301.40B78

20° SPOT

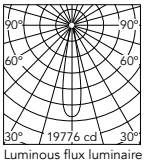


Luminous flux luminaire 3037 lm

Beam Angle:	20°
h(m) E(lx)	D(m)
1 18287	0.35
2 4572	0.70
3 2032	1.04
4 1143	1.39
5 731	1.74

4000K - CRI 90
On board dimmer
09.7302.40B
09.7302.14B
All White
09.7302.40B78

20° SPOT

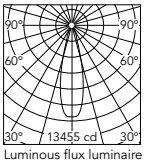


Luminous flux luminaire 3283 lm

Beam Angle:	20°
h(m) E(lx)	D(m)
1 19769	0.35
2 4942	0.70
3 2197	1.04
4 1236	1.39
5 791	1.74

3000K - CRI 80
On board dimmer
09.7303.40B
09.7303.14B
All White
09.7303.40B78

27° MEDIUM

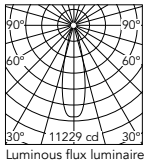


Luminous flux luminaire 3531 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 13450	0.48
2 3362	0.96
3 1494	1.44
4 841	1.93
5 538	2.41

3000K - CRI 90
On board dimmer
09.7304.40B
09.7304.14B
All White
09.7304.40B78

27° MEDIUM

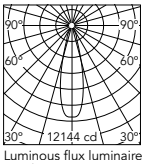


Luminous flux luminaire 2947 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 11225	0.48
2 2806	0.96
3 1247	1.44
4 702	1.93
5 449	2.41

4000K - CRI 90
On board dimmer
09.7305.40B
09.7305.14B
All White
09.7305.40B78

27° MEDIUM

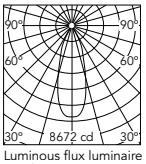


Luminous flux luminaire 3187 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 12140	0.48
2 3035	0.96
3 1349	1.44
4 759	1.93
5 486	2.41

3000K - CRI 80
On board dimmer
09.7306.40B
09.7306.14B
All White
09.7306.40B78

34° FLOOD

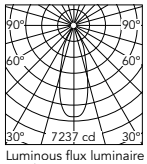


Luminous flux luminaire 3476 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 8672	0.61
2 2168	1.22
3 964	1.83
4 542	2.44
5 347	3.04

3000K - CRI 90
On board dimmer
09.7307.40B
09.7307.14B
All White
09.7307.40B78

34° FLOOD

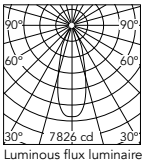


Luminous flux luminaire 2901 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 7237	0.61
2 1809	1.22
3 804	1.83
4 452	2.44
5 289	3.04

4000K - CRI 90
On board dimmer
09.7308.40B
09.7308.14B
All White
09.7308.40B78

34° FLOOD

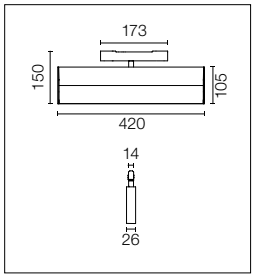


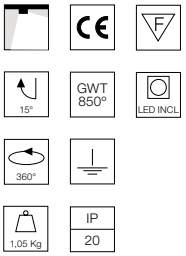
Luminous flux luminaire 3137 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 7826	0.61
2 1957	1.22
3 870	1.83
4 489	2.44
5 313	3.04

UT Pro Wall-Washer

Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90





Finishes Available

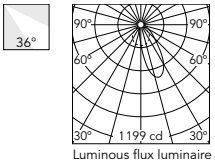
Lichtmodul Wall-Washer mit LED Lichtquelle zum Einbau in Tracking Power EVO Profil. Netzgerät mit 220-240V inbegriffen.

Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß.

Wall-Washer lighting module to be installed in Tracking Power EVO profile with LED light source. 220-240V power supply integrated.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white.

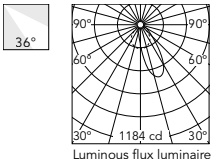
3000K - CRI 90
Non Dimmable
09.7500.40A
09.7500.14A
All White
09.7500.40A78



Luminous flux luminaire
1706 lm

Beam Angle:		36°
h(m)	E(lx)	D(m)
1	1199	0.78
2	300	1.56
3	133	2.34
4	75	3.12
5	48	3.90

4000K - CRI 90
Non Dimmable
09.7501.40A
09.7501.14A
All White
09.7501.40A78

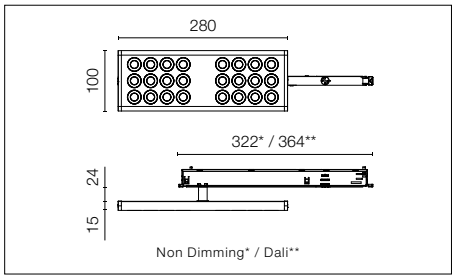


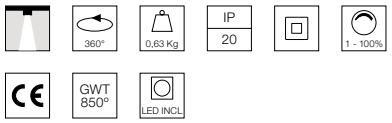
Luminous flux luminaire
1700 lm

Beam Angle:		36°
h(m)	E(lx)	D(m)
1	1184	0.76
2	296	1.52
3	132	2.28
4	74	3.04
5	47	3.80

Workmates In-Track Small

Top LED High Efficiency
Non Dimming: 15,5W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90
Dali 2: 15W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. Hocheffiziente Lichtquelle. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

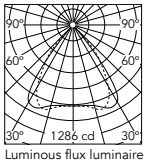
Optic Wide Flood - 3000K

Non Dimming

- 05.6280.40
- 05.6280.40.78
- 05.6280.14
- 05.6280.AP

Dali 2

- 05.6280.40.DA
- 05.6280.40.YU
- 05.6280.14.DA
- 05.6280.AP.DA



Luminous flux luminaire
1768 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1143	1.55
2	286	3.10
3	127	4.66
4	71	6.21
5	46	7.76

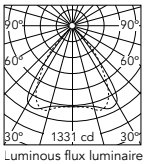
Optic Wide Flood - 4000K

Non Dimming

- 05.6282.40
- 05.6282.40.78
- 05.6282.14
- 05.6282.AP

Dali 2

- 05.6282.40.DA
- 05.6282.40.YU
- 05.6282.14.DA
- 05.6282.AP.DA



Luminous flux luminaire
1830 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1183	1.55
2	296	3.10
3	131	4.66
4	74	6.21
5	47	7.76

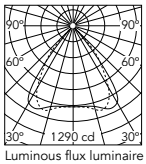
Optic Wide Flood - 3500K

Non Dimming

- 05.6281.40
- 05.6281.40.78
- 05.6281.14
- 05.6281.AP

Dali 2

- 05.6281.40.DA
- 05.6281.40.YU
- 05.6281.14.DA
- 05.6281.AP.DA



Luminous flux luminaire
1773 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1146	1.55
2	286	3.10
3	127	4.66
4	72	6.21
5	46	7.76

NEW

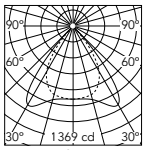
Optic Oval - 3000K

Non Dimming

- 05.6285.40
- 05.6285.40.78
- 05.6285.14
- 05.6285.AP

Dali 2

- 05.6285.40.DA
- 05.6285.40.YU
- 05.6285.14.DA
- 05.6285.AP.DA



Luminous flux luminaire
1720 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1096	1.67
2	274	3.34
3	122	5.00
4	68	6.67
5	44	8.34

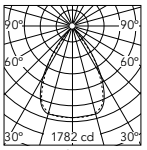
Optic High Comfort - 3000K

Non Dimming

- 05.5780.40
- 05.5780.40.78
- 05.5780.14
- 05.5780.AP

Dali 2

- 05.5780.40.DA
- 05.5780.40.YU
- 05.5780.14.DA
- 05.5780.AP.DA



Luminous flux luminaire
1850 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1780	1.31
2	445	2.61
3	198	3.92
4	111	5.23
5	71	6.54

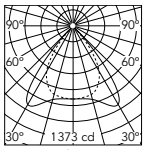
Optic Oval - 3500K

Non Dimming

- 05.6286.40
- 05.6286.40.78
- 05.6286.14
- 05.6286.AP

Dali 2

- 05.6286.40.DA
- 05.6286.40.YU
- 05.6286.14.DA
- 05.6286.AP.DA



Luminous flux luminaire
1725 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1099	1.67
2	275	3.34
3	122	5.00
4	69	6.67
5	44	8.34

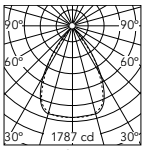
Optic High Comfort - 3500K

Non Dimming

- 05.5781.40
- 05.5781.40.78
- 05.5781.14
- 05.5781.AP

Dali 2

- 05.5781.40.DA
- 05.5781.40.YU
- 05.5781.14.DA
- 05.5781.AP.DA



Luminous flux luminaire
1855 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1785	1.31
2	446	2.61
3	198	3.92
4	112	5.23
5	71	6.54

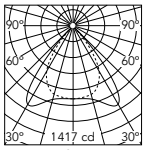
Optic Oval - 4000K

Non Dimming

- 05.6287.40
- 05.6287.40.78
- 05.6287.14
- 05.6287.AP

Dali 2

- 05.6287.40.DA
- 05.6287.40.YU
- 05.6287.14.DA
- 05.6287.AP.DA



Luminous flux luminaire
1780 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1134	1.67
2	283	3.34
3	126	5.00
4	71	6.67
5	45	8.34

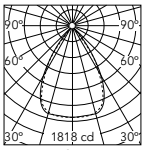
Optic High Comfort - 4000K

Non Dimming

- 05.5782.40
- 05.5782.40.78
- 05.5782.14
- 05.5782.AP

Dali 2

- 05.5782.40.DA
- 05.5782.40.YU
- 05.5782.14.DA
- 05.5782.AP.DA

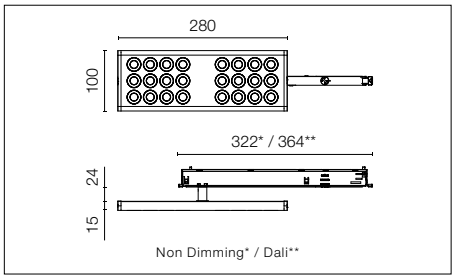


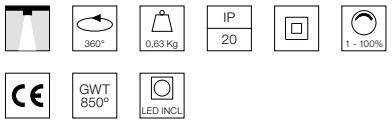
Luminous flux luminaire
1887 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1815	1.31
2	454	2.61
3	202	3.92
4	113	5.23
5	73	6.54

Workmates In-Track Small

Top LED Full Spectrum
Non Dimming: 15,5W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98
Dali 2: 15W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

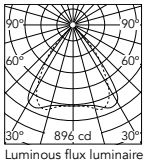
Optic Wide Flood - 3000K

Non Dimming

- 05.6290.40
- 05.6290.40.78
- 05.6290.14
- 05.6290.AP

Dali 2

- 05.6290.40.DA
- 05.6290.40.YU
- 05.6290.14.DA
- 05.6290.AP.DA



Luminous flux luminaire
1231 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

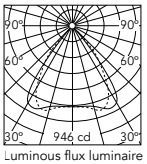
Optic Wide Flood - 4000K

Non Dimming

- 05.6292.40
- 05.6292.40.78
- 05.6292.14
- 05.6292.AP

Dali 2

- 05.6292.40.DA
- 05.6292.40.YU
- 05.6292.14.DA
- 05.6292.AP.DA



Luminous flux luminaire
1300 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

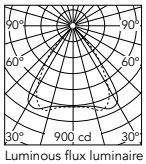
Optic Wide Flood - 3500K

Non Dimming

- 05.6291.40
- 05.6291.40.78
- 05.6291.14
- 05.6291.AP

Dali 2

- 05.6291.40.DA
- 05.6291.40.YU
- 05.6291.14.DA
- 05.6291.AP.DA



Luminous flux luminaire
1238 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

NEW

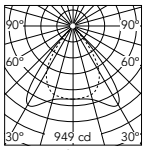
Optic Oval - 3000K

Non Dimming

- 05.6295.40
- 05.6295.40.78
- 05.6295.14
- 05.6295.AP

Dali 2

- 05.6295.40.DA
- 05.6295.40.YU
- 05.6295.14.DA
- 05.6295.AP.DA



Luminous flux luminaire
1192 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	759	1.67
2	190	3.34
3	84	5.00
4	47	6.67
5	30	8.34

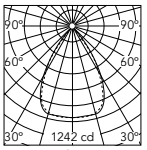
Optic High Comfort - 3000K

Non Dimming

- 05.5790.40
- 05.5790.40.78
- 05.5790.14
- 05.5790.AP

Dali 2

- 05.5790.40.DA
- 05.5790.40.YU
- 05.5790.14.DA
- 05.5790.AP.DA



Luminous flux luminaire
1289 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1240	1.31
2	310	2.61
3	138	3.92
4	77	5.23
5	50	6.54

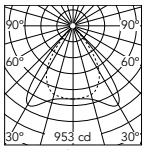
Optic Oval - 3500K

Non Dimming

- 05.6296.40
- 05.6296.40.78
- 05.6296.14
- 05.6296.AP

Dali 2

- 05.6296.40.DA
- 05.6296.40.YU
- 05.6296.14.DA
- 05.6296.AP.DA



Luminous flux luminaire
1198 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	763	1.67
2	191	3.34
3	85	5.00
4	48	6.67
5	31	8.34

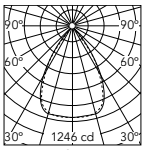
Optic High Comfort - 3500K

Non Dimming

- 05.5791.40
- 05.5791.40.78
- 05.5791.14
- 05.5791.AP

Dali 2

- 05.5791.40.DA
- 05.5791.40.YU
- 05.5791.14.DA
- 05.5791.AP.DA



Luminous flux luminaire
1293 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1244	1.31
2	311	2.61
3	138	3.92
4	78	5.23
5	50	6.54

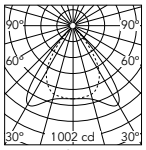
Optic Oval - 4000K

Non Dimming

- 05.6297.40
- 05.6297.40.78
- 05.6297.14
- 05.6297.AP

Dali 2

- 05.6297.40.DA
- 05.6297.40.YU
- 05.6297.14.DA
- 05.6297.AP.DA



Luminous flux luminaire
1259 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	802	1.67
2	200	3.34
3	89	5.00
4	50	6.67
5	32	8.34

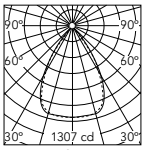
Optic High Comfort - 4000K

Non Dimming

- 05.5792.40
- 05.5792.40.78
- 05.5792.14
- 05.5792.AP

Dali 2

- 05.5792.40.DA
- 05.5792.40.YU
- 05.5792.14.DA
- 05.5792.AP.DA

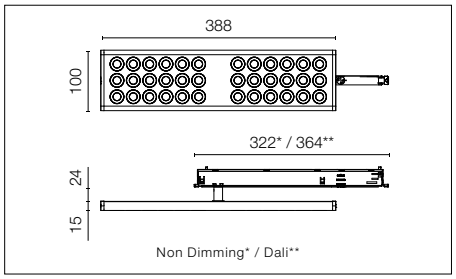


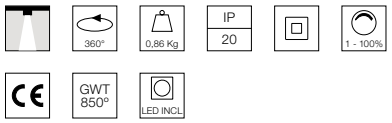
Luminous flux luminaire
1357 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1306	1.31
2	326	2.61
3	145	3.92
4	82	5.23
5	52	6.54

Workmates In-Track Large

Top LED High Efficiency
Non Dimming: 21W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90
Dali 2: 22W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. Hocheffiziente Lichtquelle. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

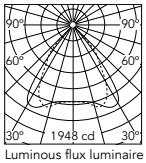
Optic Wide Flood - 3000K

Non Dimming

05.6300.40
05.6300.40.78
05.6300.14
05.6300.AP

Dali 2

05.6300.40.DA
05.6300.40.YU
05.6300.14.DA
05.6300.AP.DA



Luminous flux luminaire
2582 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1634	1.57
2	409	3.13
3	182	4.70
4	102	6.26
5	65	7.83

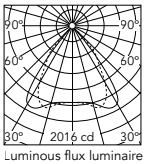
Optic Wide Flood - 4000K

Non Dimming

05.6302.40
05.6302.40.78
05.6302.14
05.6302.AP

Dali 2

05.6302.40.DA
05.6302.40.YU
05.6302.14.DA
05.6302.AP.DA



Luminous flux luminaire
2673 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1692	1.57
2	423	3.13
3	188	4.70
4	106	6.26
5	68	7.83

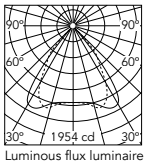
Optic Wide Flood - 3500K

Non Dimming

05.6301.40
05.6301.40.78
05.6301.14
05.6301.AP

Dali 2

05.6301.40.DA
05.6301.40.YU
05.6301.14.DA
05.6301.AP.DA



Luminous flux luminaire
2590 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1639	1.57
2	410	3.13
3	182	4.70
4	102	6.26
5	66	7.83

NEW

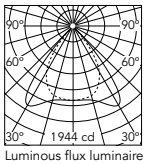
Optic Oval - 3000K

Non Dimming

- 05.6305.40
- 05.6305.40.78
- 05.6305.14
- 05.6305.AP

Dali 2

- 05.6305.40.DA
- 05.6305.40.YU
- 05.6305.14.DA
- 05.6305.AP.DA



Luminous flux luminaire
2462 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1577 1.68
2	394 3.36
3	175 5.03
4	99 6.71
5	63 8.39

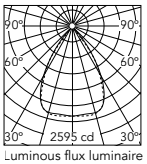
Optic High Comfort - 3000K

Non Dimming

- 05.5800.40
- 05.5800.40.78
- 05.5800.14
- 05.5800.AP

Dali 2

- 05.5800.40.DA
- 05.5800.40.YU
- 05.5800.14.DA
- 05.5800.AP.DA



Luminous flux luminaire
2711 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2563 1.32
2	641 2.64
3	285 3.96
4	160 5.28
5	103 6.61

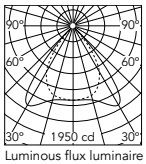
Optic Oval - 3500K

Non Dimming

- 05.6306.40
- 05.6306.40.78
- 05.6306.14
- 05.6306.AP

Dali 2

- 05.6306.40.DA
- 05.6306.40.YU
- 05.6306.14.DA
- 05.6306.AP.DA



Luminous flux luminaire
2469 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1582 1.68
2	395 3.36
3	176 5.03
4	99 6.71
5	63 8.39

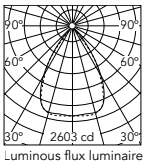
Optic High Comfort - 3500K

Non Dimming

- 05.5801.40
- 05.5801.40.78
- 05.5801.14
- 05.5801.AP

Dali 2

- 05.5801.40.DA
- 05.5801.40.YU
- 05.5801.14.DA
- 05.5801.AP.DA



Luminous flux luminaire
2718 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2571 1.32
2	643 2.64
3	286 3.96
4	161 5.28
5	103 6.61

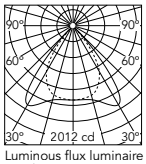
Optic Oval - 4000K

Non Dimming

- 05.6307.40
- 05.6307.40.78
- 05.6307.14
- 05.6307.AP

Dali 2

- 05.6307.40.DA
- 05.6307.40.YU
- 05.6307.14.DA
- 05.6307.AP.DA



Luminous flux luminaire
2548 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1632 1.68
2	408 3.36
3	181 5.03
4	102 6.71
5	65 8.39

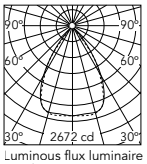
Optic High Comfort - 4000K

Non Dimming

- 05.5802.40
- 05.5802.40.78
- 05.5802.14
- 05.5802.AP

Dali 2

- 05.5802.40.DA
- 05.5802.40.YU
- 05.5802.14.DA
- 05.5802.AP.DA

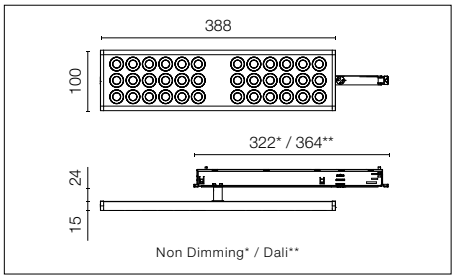


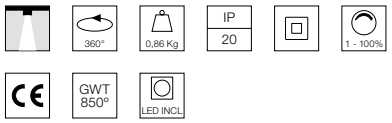
Luminous flux luminaire
2790 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2639 1.32
2	660 2.64
3	293 3.96
4	165 5.28
5	106 6.61

Workmates In-Track Large

Top LED Full Spectrum
Non Dimming: 21W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98
Dali 2: 22W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

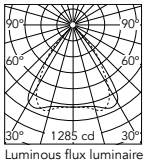
Optic Wide Flood - 3000K

Non Dimming

- 05.6310.40
- 05.6310.40.78
- 05.6310.14
- 05.6310.AP

Dali 2

- 05.6310.40.DA
- 05.6310.40.YU
- 05.6310.14.DA
- 05.6310.AP.DA



Luminous flux luminaire
1761 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1155	1.55
2	289	3.09
3	128	4.64
4	72	6.18
5	46	7.73

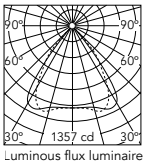
Optic Wide Flood - 4000K

Non Dimming

- 05.6312.40
- 05.6312.40.78
- 05.6312.14
- 05.6312.AP

Dali 2

- 05.6312.40.DA
- 05.6312.40.YU
- 05.6312.14.DA
- 05.6312.AP.DA



Luminous flux luminaire
1860 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1219	1.55
2	305	3.09
3	135	4.64
4	76	6.18
5	49	7.73

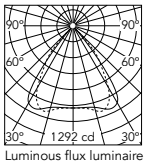
Optic Wide Flood - 3500K

Non Dimming

- 05.6311.40
- 05.6311.40.78
- 05.6311.14
- 05.6311.AP

Dali 2

- 05.6311.40.DA
- 05.6311.40.YU
- 05.6311.14.DA
- 05.6311.AP.DA



Luminous flux luminaire
1770 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1160	1.55
2	290	3.09
3	129	4.64
4	73	6.18
5	46	7.73

NEW

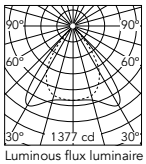
Optic Oval - 3000K

Non Dimming

- 05.6315.40
- 05.6315.40.78
- 05.6315.14
- 05.6315.AP

Dali 2

- 05.6315.40.DA
- 05.6315.40.YU
- 05.6315.14.DA
- 05.6315.AP.DA



Luminous flux luminaire
1744 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1117 1.68
2	279 3.36
3	124 5.03
4	70 6.71
5	45 8.39

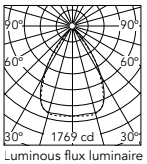
Optic High Comfort - 3000K

Non Dimming

- 05.5810.40
- 05.5810.40.78
- 05.5810.14
- 05.5810.AP

Dali 2

- 05.5810.40.DA
- 05.5810.40.YU
- 05.5810.14.DA
- 05.5810.AP.DA



Luminous flux luminaire
1848 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	1747 1.32
2	437 2.64
3	194 3.96
4	109 5.28
5	70 6.61

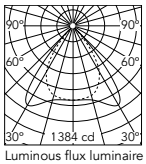
Optic Oval - 3500K

Non Dimming

- 05.6316.40
- 05.6316.40.78
- 05.6316.14
- 05.6316.AP

Dali 2

- 05.6316.40.DA
- 05.6316.40.YU
- 05.6316.14.DA
- 05.6316.AP.DA



Luminous flux luminaire
1753 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1123 1.68
2	281 3.36
3	125 5.03
4	70 6.71
5	45 8.39

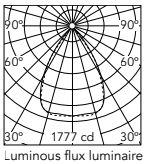
Optic High Comfort - 3500K

Non Dimming

- 05.5811.40
- 05.5811.40.78
- 05.5811.14
- 05.5811.AP

Dali 2

- 05.5811.40.DA
- 05.5811.40.YU
- 05.5811.14.DA
- 05.5811.AP.DA



Luminous flux luminaire
1856 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	1755 1.32
2	439 2.64
3	195 3.96
4	110 5.28
5	70 6.61

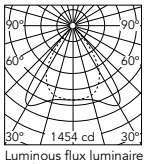
Optic Oval - 4000K

Non Dimming

- 05.6317.40
- 05.6317.40.78
- 05.6317.14
- 05.6317.AP

Dali 2

- 05.6317.40.DA
- 05.6317.40.YU
- 05.6317.14.DA
- 05.6317.AP.DA



Luminous flux luminaire
1842 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1180 1.68
2	295 3.36
3	131 5.03
4	74 6.71
5	47 8.39

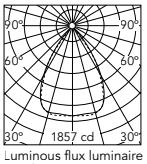
Optic High Comfort - 4000K

Non Dimming

- 05.5812.40
- 05.5812.40.78
- 05.5812.14
- 05.5812.AP

Dali 2

- 05.5812.40.DA
- 05.5812.40.YU
- 05.5812.14.DA
- 05.5812.AP.DA



Luminous flux luminaire
1939 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	1834 1.32
2	458 2.64
3	204 3.96
4	115 5.28
5	73 6.61

Zubehör / Accessories

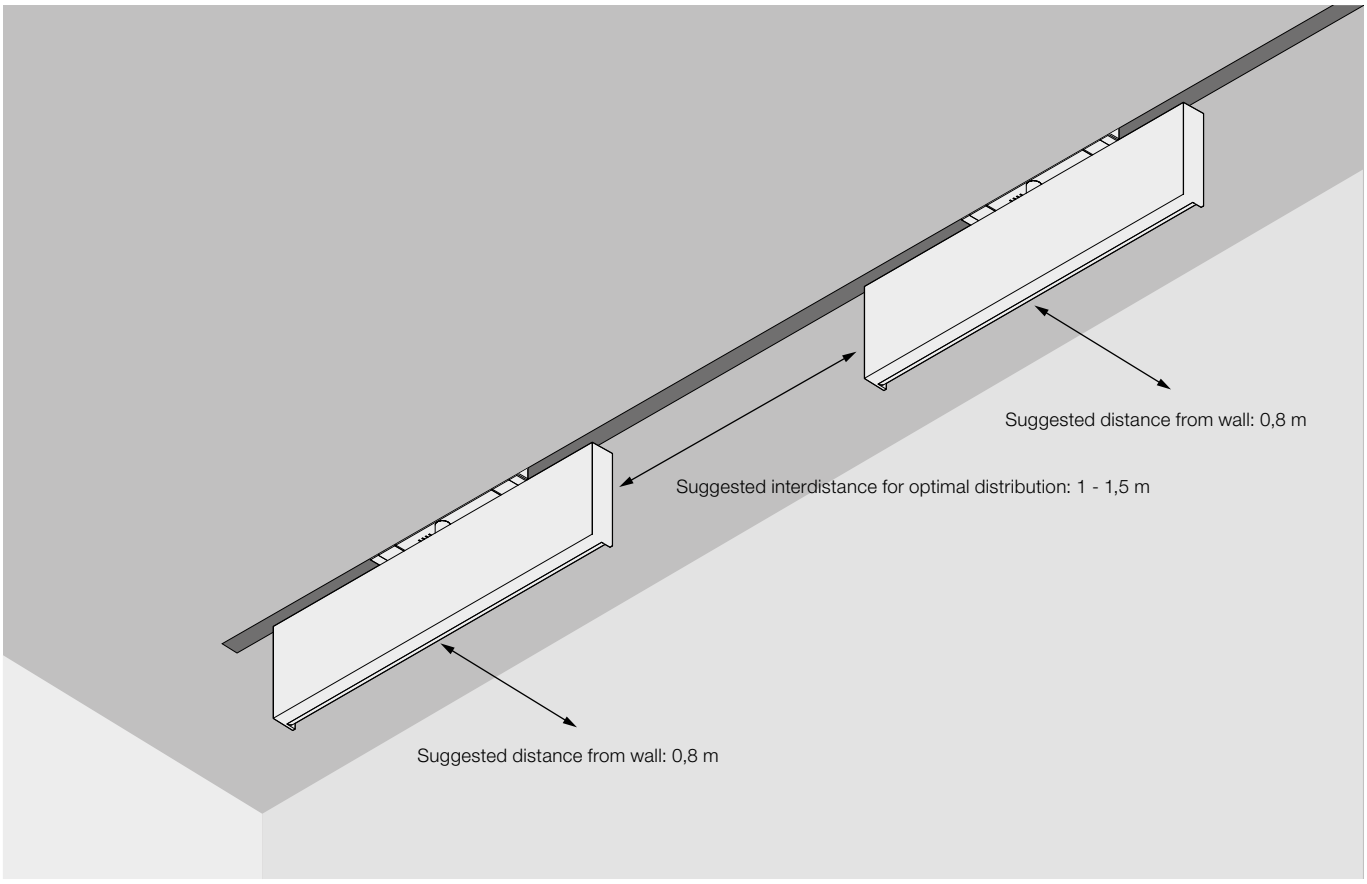
UT Pro 150 / UT Pro 175

Querabschirmung, Linsen und Honeycomb können ohne Befestigungszubehör direkt in den Leuchtenkopf eingesetzt werden. Honeycomb + Linse können gleichzeitig verwendet werden.

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Querabschirmung.	Screening crosspiece.		UT Pro 150 08.8429.00 UT Pro 175 08.9108.00
Elliptische linse.	Elliptical lens.		UT Pro 150 08.8431.00 UT Pro 175 08.9109.00
Floodlinse.	Flood lens.		UT Pro 150 08.8432.00 UT Pro 175 08.9110.00
Honeycomb.	Honeycomb.		UT Pro 150 08.8428.00 UT Pro 175 08.9107.00
Konische Abschirmung.	Snoot shielding cone.	 	UT Pro 150 08.0526.00 08.0526.40 08.0526.BW UT Pro 175 08.9111.00

WALL-WASHER INSTALLATION

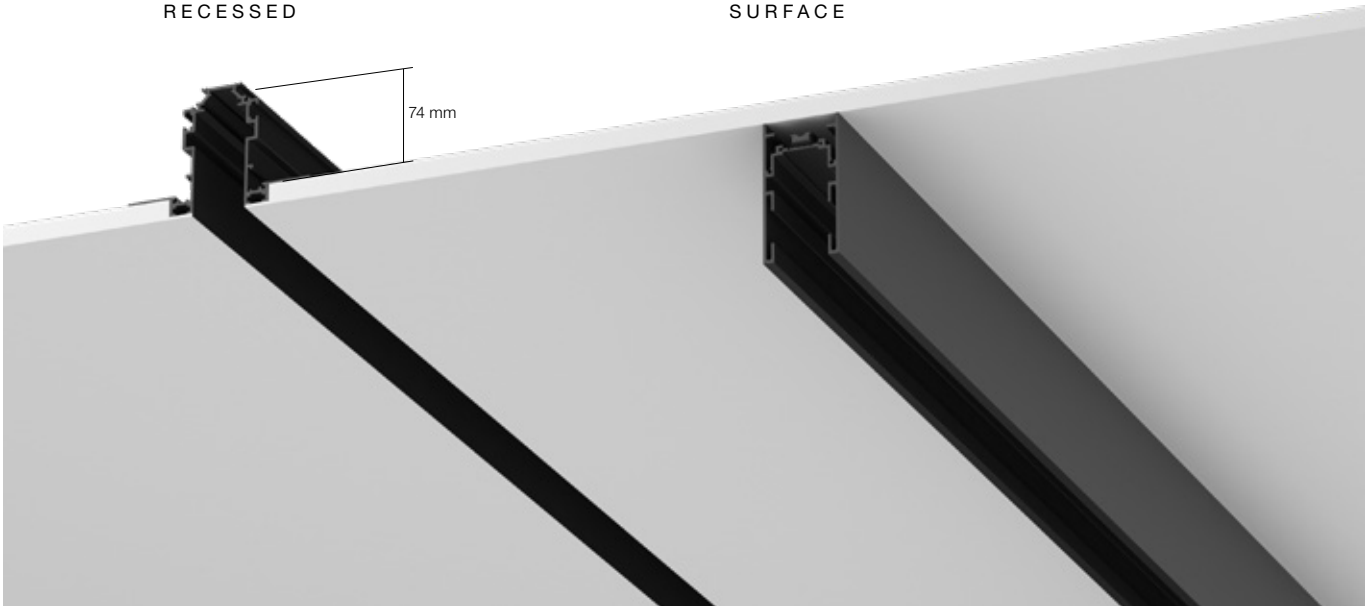


THE FAST TRACK

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles ■ 14 Schwarz
14 Black

Surface Profiles □ 40 Weiss
40 White

■ 14 Schwarz
14 Black

LIGHT MODULES

THE FAST TRACK SPOT 100

LIGHT SOURCE
POWER LED
13W
780 lm
3000K/CRI 90
830 lm
4000K/CRI 90

THE FAST TRACK SPOT 150

LIGHT SOURCE
LED ARRAY
25,5W
2378 lm
3000K/CRI 90
2751 lm
4000K/CRI 90

MULTIFUNCTION SMART DEVICE

FLOS CONTROL®
by Casambi

■ 14 Schwarz
14 Black

□ BW Weiss
BW White

Produktbeschreibung
Das einzige System der Welt, mit dem Sie die Intensität der verschiedenen Gruppen von Beleuchtungskörpern mittels Fernsteuerung bewegen, ausrichten und einstellen können.
System für Innenräume in Versionen für die Oberflächenmontage oder den Deckeneinbau erhältlich. Ausgestattet mit einer drahtlosen Steuerung mit dem FLOS Control® by Casambi-System, das über eine spezielle App für mobile Geräte verwaltet wird (mit einer Reichweite von etwa 20 m). Mit dem System können Sie bis zu 200 Geräte über die App steuern.
Die Beleuchtungsmodule enthalten Servomechanismen für die Bewegung und Ausrichtung, Sensoren zur Erkennung anderer Spots und das Ende der Schiene.
Das System ist in der Lage die Position jeden Spots zu jeder Zeit zu erkennen und bis zu 24 Lichtszenen einzuspeichern, indem die Lenkung, sowie Drehung und Lichtintensität für eine spätere Verwendung sowie, 4 Zeitprogramme, um von einer Szene zu einer anderen zu wechseln, gespeichert wird.
Sie können die Lichtszene auch vollständig ändern und die gespeicherten Kompositionen mit einem einfachen Klick wiederherstellen. Die Umstellung muss immer manuell und individuell über die APP erfolgen.
Strukturprofile des Systems aus stranggepresstem Aluminium in schwarz und weiß für die Version 40. Diese ist ausgestattet mit Stromschienen, die mit 48V gespeist werden und auf denen sie mittels eines mechanischen Befestigungssystems für die LED-Leuchten montiert werden.
Die Produktfamilie besteht aus Akzent-Beleuchtungsmodulen mit verschiedener Optik.
Das einzige verfügbare Steuerungssystem ist FLOS Control® by Casambi .
Es ist eine App für Mobilgeräte erforderlich (verfügbar im Apple Store und Google Play).
Die maximale Länge für ein Netzteil beträgt 20 m.
Die maximale Länge zwischen der Stromversorgung und dem Beginn der Schiene beträgt 2 m.

Optisches System
Die Akzent-Lichtsysteme sind mit Hochleistungsglasoptik und mit den Winkeln Superspot, Spot, Medium und Flood erhältlich.

Einspeisung
Fernstromquelle zu 48 V nicht eingeschlossen.

Zusatzinformationen
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Only system in the world that allows the intensity of different groups of light fittings to be moved, oriented, and adjusted at a distance.
Indoor system available in versions for installation on surfaces and recessed installation on the ceiling. Equipped with wireless control via the FLOS Control® by Casambi system managed using the dedicated app for mobile devices (covers a distance of about 20 m). The system allows up to 200 devices to be controlled via the app.
The lighting modules incorporate servos for moving and orienting them, as well as sensors to detect other spots and the end of the track.
The system can recognize the location of each spot at all times and memorize up to 24 scenes of light. It memorizes the orientation, rotation and light intensity for later use, as well as 4 time schedules to change from one scene to another.
The light scene can also be completely changed by recovering the memorized compositions with a simple click. The movement must always be performed manually and individually through the APP.
Structural profiles of the system are manufactured in black extruded aluminum and are white plated for the 40 version, provided with electric tracks fed at 48V, on which the LED luminaries are installed by means of a mechanical fixing system.
The family is composed of accent lighting, with different optics.
The only available control system is FLOS Control® by Casambi.
The app for mobile devices is also necessary (available in the Apple Store and Google Play).
The maximum length for each power source is 20 m.
The maximum length between the power supply and the start of the track is 2 m.

Optic system
The accent light modules are available with high-performance crystal optics. Super spot, spot, medium and flood angles.

Power Supply
Remote 48V power source not included.

Additional Information
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

FLOS
CONTROL BY CASAMBI

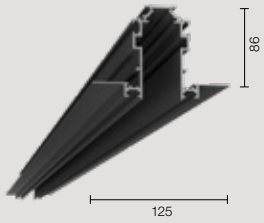
Available on the App Store

GET IT ON Google Play

HOW TO ORDER

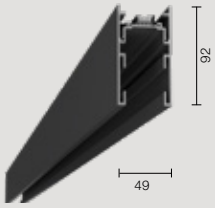
1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 1,5 / 2 / 3 m

SURFACE PROFILE



L: 1 / 1,5 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed cable

End cap

Intermediate cable

Electrical

Stopper

Recessed installation

Accessories
(Optional)

Fixed ceiling kit

or

Adjustable ceiling kit

Feed cable

End cap

Intermediate cable

Electrical

Stopper

Surface installation

Fixing ceiling kit included with the profile

3 SELECT POWER SUPPLY

Recessed installation

Remote power supply

185W

320W

(select the driver with the appropriate power according to the needs of your project)

Surface installation

Remote power supply

185W

320W

(select the driver with the appropriate power according to the needs of your project)

4 SELECT A LIGHT MODULE

Spot 100

Casambi integrated

SS/S/M

Spot 150

Casambi integrated

S/M/F

Multifunction Smart Device

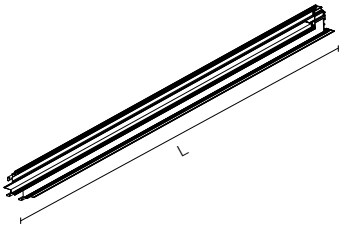
FLOS Control® by Casambi

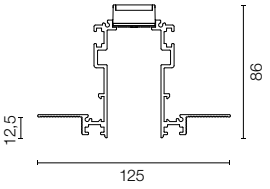
Profile

Elektromechanisches Profil für den Einbau in Gipskartondecken mit Längen von 1 m bis 3 m. Strom- und Verbindungskabel müssen separat bestellt werden.
Die Abdeckungen sind getrennt zu bestellen.
Feste oder einstellbare Befestigungs-Kits sind verfügbar (Option). Die Kits für die Deckenbefestigung ermöglichen eine Installation ohne Erfordernis von TC-Aluminiumprofilen für die Befestigung.

Profiles

Electro-mechanical profile for recessed installations in plasterboard ceilings, with 1m to 3m lengths. Power and interconnection cables must be ordered separately.
The covers must be ordered separately. Fixed or adjustable fastening kits available (optional). The roof fastening kits enable installation without the need for aluminium TC fastening profiles.



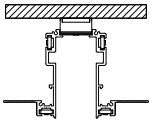


L: 1000 mm
06.1850.14
L: 1500mm
06.1851.14
L: 2000 mm
06.1852.14
L: 3000 mm
06.1853.14

L: 1 m / 1,5 m / 2 m / 3 m

Befestigungssatz feste decke (fakultativ). Set mit 2 stück.

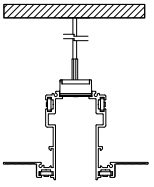
Fixed ceiling kit (optional).
2 unit kit.



08.8866.14

Befestigungssatz an absenkbare decke (fakultativ). Set mit 2 stück. Für die Installation ist eine M6-Gewindestange erforderlich, die nicht im Lieferumfang enthalten ist.

Adjustable ceiling kit (optional).
2 unit kit.
Installation requires a M6 threaded rod, not included.



08.8867.14

Profile (mm)	Quantities Ceiling Kit
1000	1
2000	2
3000	2
4000	3

---

1 m lange Aufhängestange mit Rosette mit Mo-Verschraubung.

1-m suspension rod with ceiling rose with m6 thread.

60.3097.11
60.3097.14

Endkappe. Muss separat bestellt werden. Set mit 2 stück.

End caps. To be ordered separately.
2 unit kit.

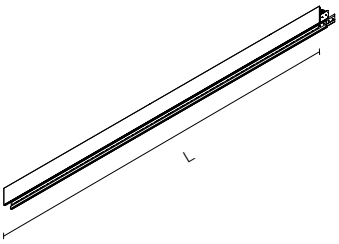
08.9070.14

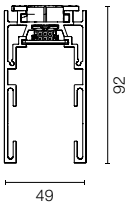
Profile

Elektromechanisches Profil für die Oberflächenmontage in Gipskartondecken mit Längen von 1 m bis 3 m. Nicht gültig für hängende Installationen. Strom- und Verbindungskabel müssen separat bestellt werden.
Die Deckel müssen separat bestellt werden. Inklusive Befestigungskit für feste Decke.

Profiles

Electro-mechanical profile for surface installations in plasterboard ceilings, with 1m to 3m lengths. Not suitable for suspended installations. Power and interconnection cables must be ordered separately.
Covers must be ordered separately. Fixed ceiling kit included.





L: 1000 mm
06.1860.40
06.1860.14
L: 1500 mm
06.1861.40
06.1861.14
L: 2000 mm
06.1862.40
06.1862.14
L: 3000 mm
06.1863.40
06.1863.14

L: 1 m / 1,5 m / 2 m / 3 m

Endkappe. Diese müssen separat bestellt werden. Set mit 2 stück.

End caps. Must be ordered separately. 2 unit kit.

08.9071.40
08.9071.14

The Fast Track Recessed / Surface versions

Stopper. Um zu verhindern, dass die Spots in Spuren eindringen, die von einem anderen Treiber betrieben werden, und um zu vermeiden, dass die maximal zulässige Leistung jedes Treibers überschritten wird. Es kann auch verwendet werden, um die Bewegung aus anderen Gründen zu begrenzen.

Stopper. To prevent spots from invading track areas powered by another driver and to prevent exceeding the maximum allowed power of each driver. It can also be used to limit movement for other reasons.

08.9074.14

Einspeisekabel.

Power feed cable.

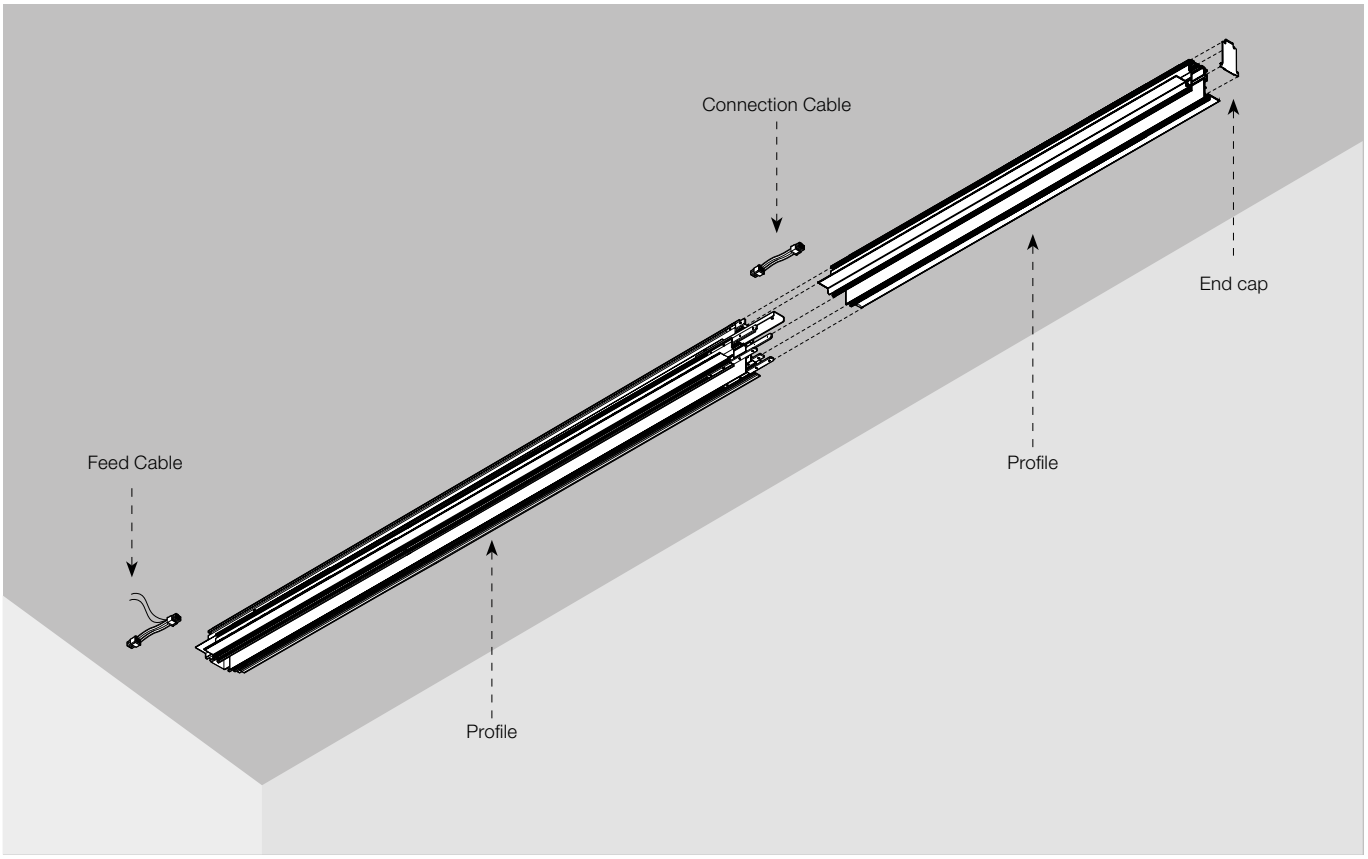
06.0303.00

Verbindungskabel. Elektrischer Anschluss.

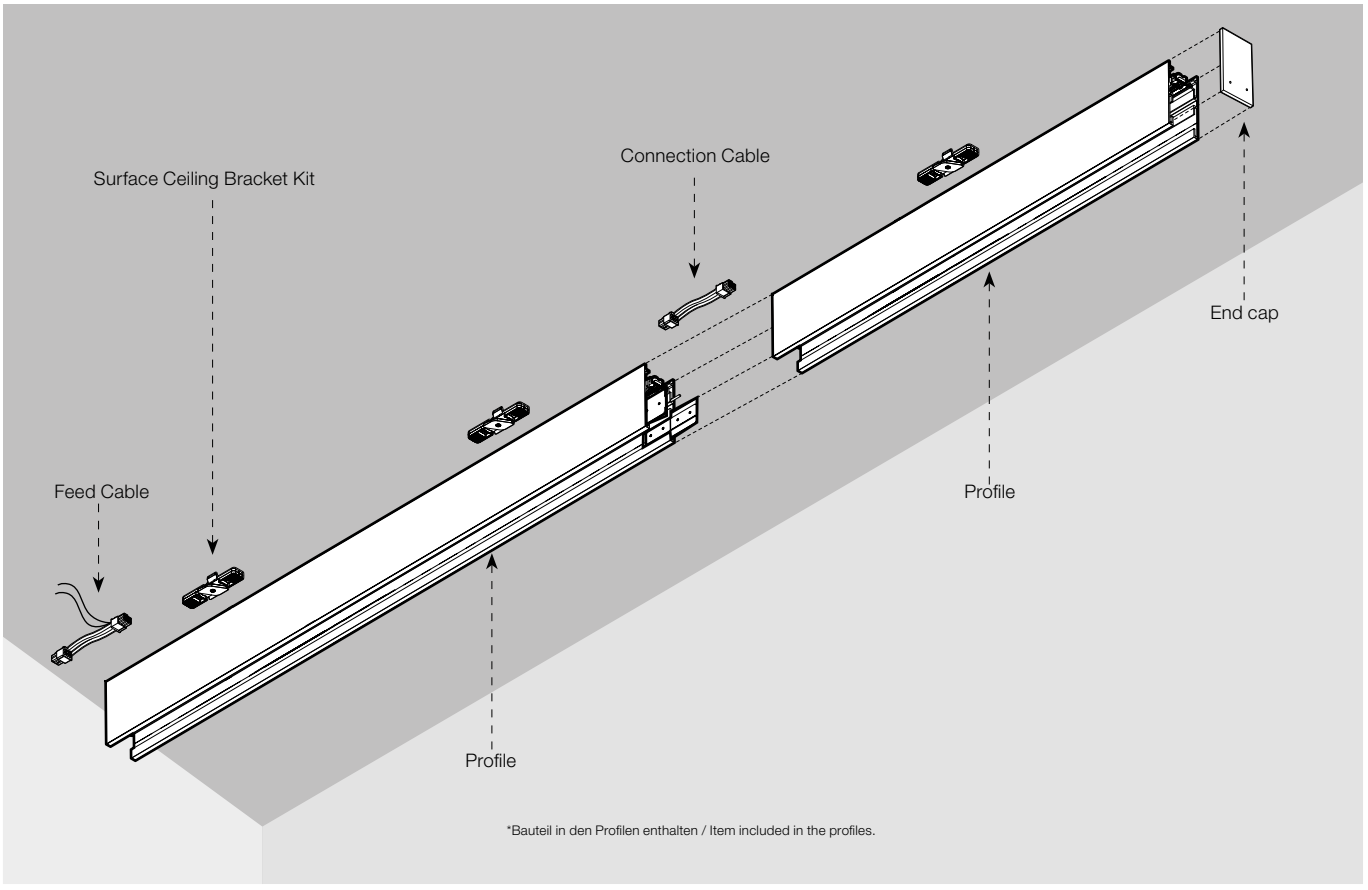
Connection cable. Electrical connection.

06.0301.00

RECESSED INSTALLATION



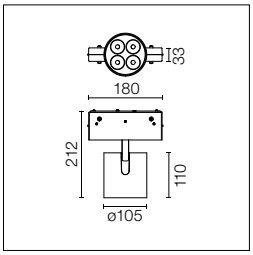
SURFACE INSTALLATION

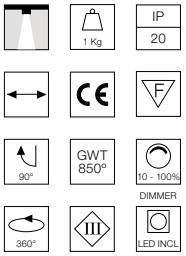


*Bauteil in den Profilen enthalten / Item included in the profiles.

The Fast Track Spot 100

Power LED 13W - 830 lm - 3000K/CRI 90 / 13W - 878 lm - 4000K/CRI 90



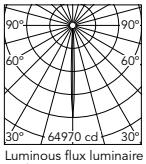


Projektor zur Installation im Profil des The Fast Track-Systems mit LED-Lichtquelle und Superspot-Optik, sehr nützlich für große Höhen, sowie Medium- und Flood-Optik.
Die Kästen der Leuchten werden nur in Schwarz angefertigt.

Spotlight to be installed in the The Fast Track system profile with a LED light source and super spot optic, very useful for great heights, medium and flood.
The boxes of the luminaries are manufactured only in black.

3000K
**Casambi integrated
09.9070.BWA
09.9070.14A

4°
SUPER SPOT



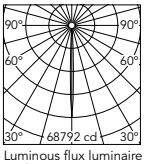
Luminous flux luminaire
630 lm

Beam Angle: 4°

h(m)	E(lx)	D(m)
1	64970	0.07
2	16243	0.14
3	7219	0.21
4	4061	0.28
5	2599	0.35

4000K
**Casambi integrated
09.9075.BWA
09.9075.14A

4°
SUPER SPOT



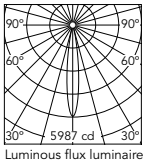
Luminous flux luminaire
667 lm

Beam Angle: 4°

h(m)	E(lx)	D(m)
1	68792	0.07
2	17198	0.14
3	7644	0.21
4	4300	0.28
5	2752	0.35

3000K
**Casambi integrated
09.9071.BWA
09.9071.14A

15°
SPOT



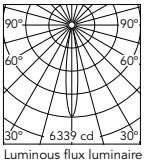
Luminous flux luminaire
567 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5987	0.26
2	1497	0.52
3	665	0.77
4	374	1.03
5	239	1.29

4000K
**Casambi integrated
09.9076.BWA
09.9076.14A

15°
SPOT



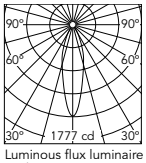
Luminous flux luminaire
600 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6339	0.26
2	1585	0.52
3	704	0.77
4	396	1.03
5	254	1.29

3000K
**Casambi integrated
09.9072.BWA
09.9072.14A

27°
MEDIUM



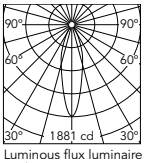
Luminous flux luminaire
693 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1777	0.48
2	444	0.95
3	197	1.43
4	111	1.91
5	71	2.38

4000K
**Casambi integrated
09.9077.BWA
09.9077.14A

27°
MEDIUM



Luminous flux luminaire
733 lm

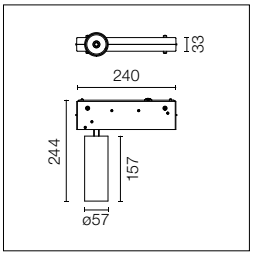
Beam Angle: 27°

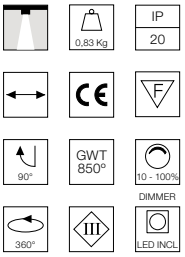
h(m)	E(lx)	D(m)
1	1881	0.48
2	470	0.95
3	209	1.43
4	118	1.91
5	75	2.38

** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

The Fast Track Spot 150

LED Array 25,5 W - 2378 lm - 3000K/CRI 90 / 25,5 W - 2751 lm - 4000K/CRI 90



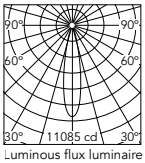


Projektor zur Installation im Profil des The Fast Track-Systems mit LED-Lichtquelle und Glasoptik: Spot, Medium und Flood mit hoher Leistungsfähigkeit.
Die Kästen der Leuchten werden nur in Schwarz angefertigt.

Spotlight to be installed in the The Fast Track system profile with a LED light source and glass optics: high performance spot, medium and flood lights.
The boxes of the luminaries are manufactured only in black.

3000K
**Casambi integrated
09.9083.BWA
09.9083.14A

21°
SPOT



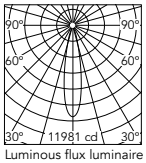
Luminous flux luminaire
1793 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11085	0.37
2	2771	0.74
3	1232	1.11
4	693	1.48
5	443	1.85

4000K
**Casambi integrated
09.9086.BWA
09.9086.14A

21°
SPOT



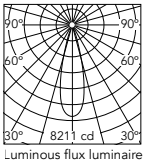
Luminous flux luminaire
1938 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11981	0.37
2	2995	0.74
3	1331	1.11
4	749	1.48
5	479	1.85

3000K
**Casambi integrated
09.9084.BWA
09.9084.14A

27°
MEDIUM



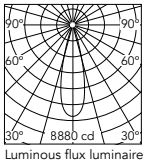
Luminous flux luminaire
1792 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8211	0.49
2	2053	0.98
3	912	1.47
4	513	1.96
5	328	2.44

4000K
**Casambi integrated
09.9087.BWA
09.9087.14A

27°
MEDIUM



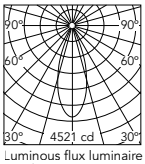
Luminous flux luminaire
1938 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8880	0.49
2	2220	0.98
3	987	1.47
4	555	1.96
5	355	2.44

3000K
**Casambi integrated
09.9085.BWA
09.9085.14A

36°
FLOOD



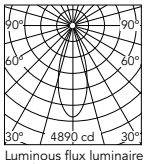
Luminous flux luminaire
1547 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4521	0.64
2	1130	1.28
3	502	1.92
4	283	2.56
5	181	3.20

4000K
**Casambi integrated
09.9088.BWA
09.9088.14A

36°
FLOOD



Luminous flux luminaire
1673 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4890	0.64
2	1222	1.28
3	543	1.92
4	306	2.56
5	196	3.20

Zubehör / Accessories

The Fast Track Spot 150

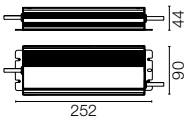
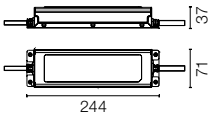
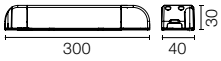
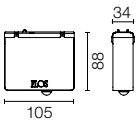
Querabschirmung, Linsen und Honeycomb können ohne Befestigungszubehör direkt in den Leuchtenkopf eingesetzt werden. Honeycomb + Linse können gleichzeitig verwendet werden.

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Querabschirmung.	Screening crosspiece.		08.8429.00
Elliptische linse.	Elliptical lens.		08.8431.00
Floodlinse.	Flood lens.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Konische abschirmung.	Snoot shielding cone.		08.0526.00 08.0526.40 08.0526.BW

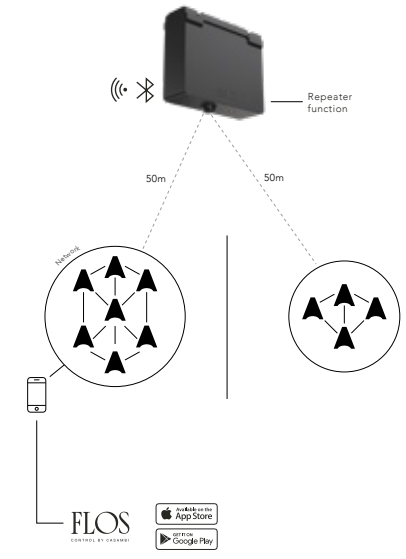
** Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Treiber / Drivers

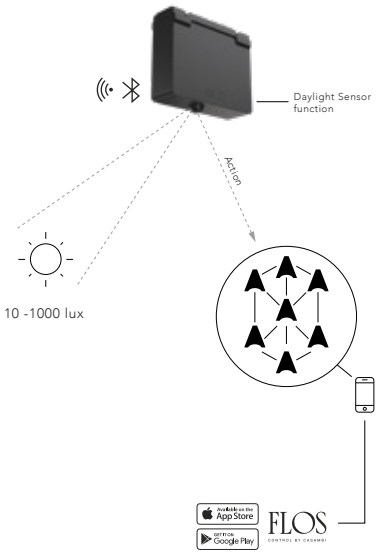
LED-Netzteil für Ferninstallation 48V/320W. 100/240 Vac.	LED power supply source for remote installation, 48V/320W. 100/240 Vac.			*60.8919
LED-Netzteil für Ferninstallation 110Vac-135W / 220Vac-200W.	LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.			*60.9607
LED-Netzteil für Ferninstallation 48V/120W. 220/240 Vac.	LED power supply source for remote installation, 48V/120W. 220/240 Vac.			*60.9170
Multifunktionales Smart Device. Dreifachfunktionalität 3x1: Casambi Signalverstärker, Lichtsensor und Präsenzmelder. FLOS Control® by Casambi.	Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.			06.1987.40 06.1987.14

Multifunction Smart Device. Triple Functionality 3x1

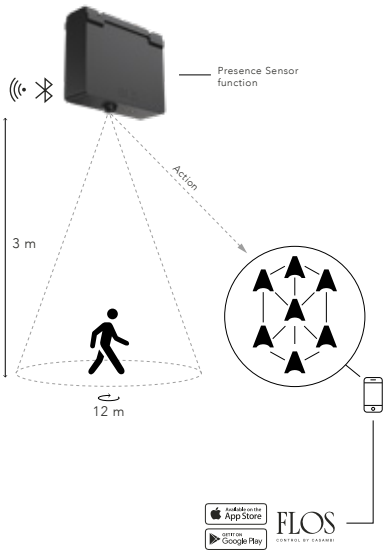
Repeater



Daylight Sensor



Presence Sensor



▲ Casambi object

* Bei der Dimensionierung der Anlage ist eine Sicherheitsspanne von 15 % der maximalen Leistung der LED-Stromversorgung einzuhalten / For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source.

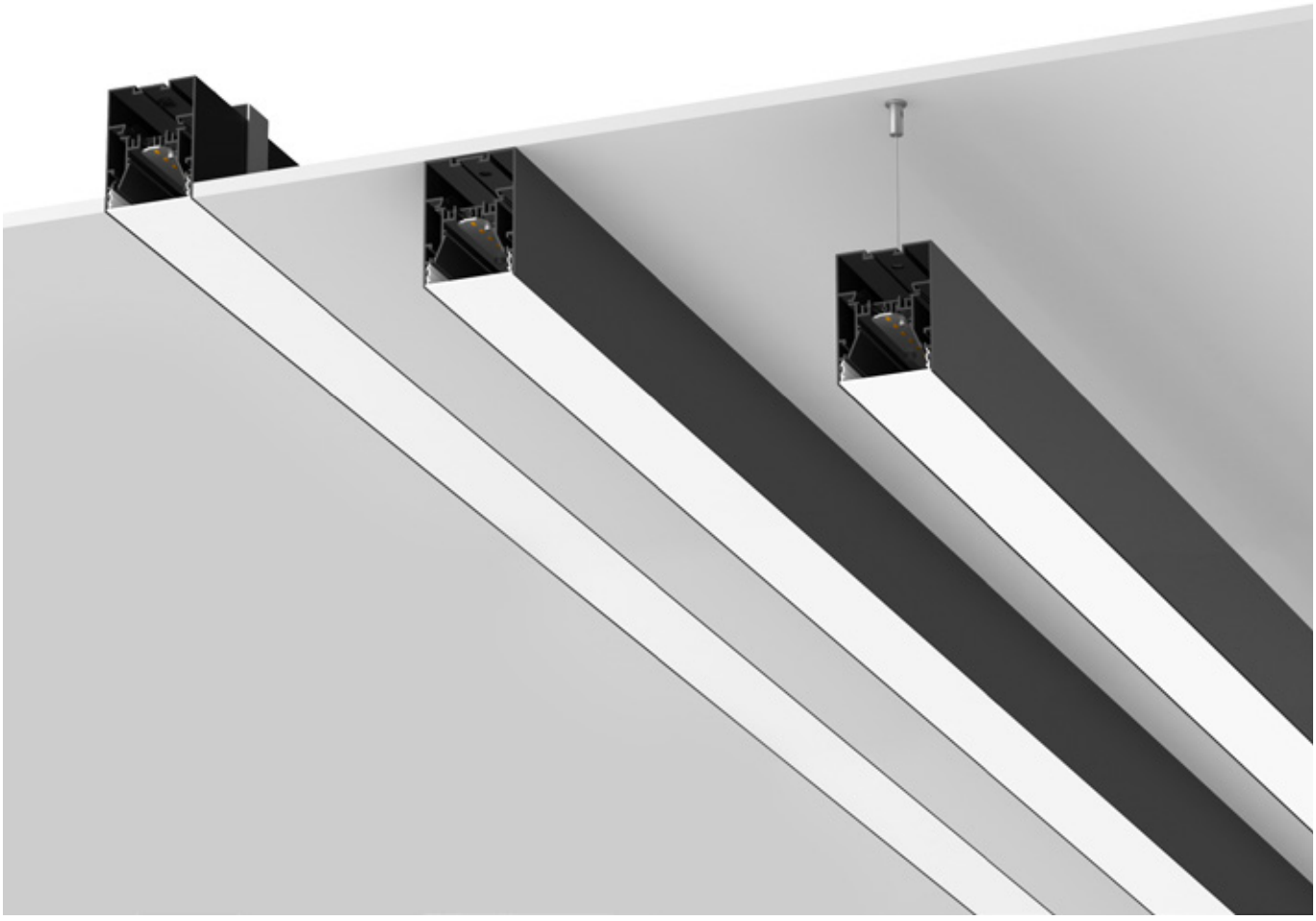
IN-FINITY

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE

SUSPENSION
UP&DOWN / DOWN



Recessed
No Trim

Recessed
Trim

Surface

Suspension
Down

Suspension
Up&Down

Beschreibung
Einbau-, Anbau- oder Hänge-LED-System (Montagetyp je nach Modell) für das Arbeitsumfeld und professionelle Bereiche. Die Leuchten sind mit einer Breite von 25 mm, 35 mm oder 70 mm erhältlich.
Bei dem 25 mm breiten Modell:
- Das System ist in Modulbauweise aufgebaut und besteht aus geraden Elementen mit Abmessungen von 1000 mm bis 3000 mm sowie aus Zubehör wie Abdeckungen und Bausätzen für die Deckenmontage (mit Tragseilen und Stromkabeln). Jedes Modul kann mechanisch verbunden werden. Jedes Modul verfügt über einen unabhängigen, mit einem Treiber verbundenen Stromeingang (für ein Modul oder für mehrere zur gemeinsamen Nutzung).
- LED-Modul, Profil, Rückstrahler und Diffusor werden zusammen als ein Element unter einem einheitlichen Verkaufscode angeboten (in den 5 verfügbaren Längen).

Bei Modellen mit einer Breite von 35 und 70 mm:
- Das System ist in Modulbauweise aufgebaut und besteht aus geraden Elementen mit Abmessungen von 565 mm bis 3095 mm, mit Winkel auf der gleichen Ebene oder mit einem Ebenenwechsel Decke-Wand, sowie aus Zubehör wie Abdeckungen und Aufhängesatz. Jedes Modul kann elektrisch und mechanisch verbunden werden. Die Stromversorgung der gesamten Zusammensetzung erfolgt von einem einzigen Punkt aus.
- Die Leuchten werden ergänzt durch:
  · LED-Lichtmodule mit Treiber in den Versionen 3000K und 4000K.
  · Aluminiumprofil je Installation.
  · Rückstrahler.
  · Verbindungssystem für den Anschluss der Module.
  · Sicherungsseil für die Leuchten, um maximalen Schutz bei Installationsarbeiten zu gewährleisten.
  · Es sind zwei verschiedene Diffusoren verfügbar: Opal für die allgemeine Beleuchtung oder ein mikroprismatischer Diffusor für mehr Sehkomfort. Auch separat erhältlich, um Lücken in Strukturen mit Ecken oder einer Länge von mehr als 3 m auszufüllen.
- Das Außenprofil der Version Recessed No Trim ist nur in weißer Ausführung erhältlich. Alle anderen Versionen sind verfügbar in den Ausführungen Weiß, Grau eloxiert und Schwarz.

Stromversorgungseinheiten
Bei dem 25 mm breiten Modell:
- Treiber nicht enthalten, siehe empfohlene Ausrüstung.

Bei Modellen mit einer Breite von 35 und 70 mm:
- Treiber enthalten in Beleuchtungsmodulen für direkten Anschluss an das 220-240-V-Netz oder an andere Module im System.

Zubehör
Bei allen Modellen muss das folgende Zubehör separat bestellt werden, wenn es für die Installation erforderlich ist:
- Abdeckungen.
- Bausatz für die Aufhängung.
- Bausatz für die Stromversorgung.

Zusätzliche Informationen
Bei dem 25 mm breiten Modell:
- Einstellbare Optionen auf Anfrage.
- Schutzart IP20.
- Isolierklasse III.

Bei Modellen mit einer Breite von 35 und 70 mm:
- Erhältlich in der Version DALI 1-100%.
- Dimmbare Version 1-10V auf Anfrage.
- Schutzart IP20, IP40.
- Isolierklasse I.

Bei einer Zusammenstellung der Modelle 25 und 35/70 kann es zu geringen Farbunterschieden im Licht kommen. Es wird empfohlen, das Modell 25 nicht mit dem Modell 35/70 im gleichen Raum zu kombinieren.

Bevor Sie Ihre Bestellung aufgeben, informieren Sie sich bitte auch auf der Website von Flos professional, im technischen Datenblatt und in der Installations- und Montageanleitung über alle Einzelheiten, die nicht in diesem Katalog enthalten sind, aber für Ihr individuelles Projekt oder Ihre Anlage von Belang sein können.

Einhaltung von Vorschriften und Gütezeichen
Die Leuchte entspricht der europäischen technischen Norm EN60598-1 und den weiteren Teilen.

Description
Built-in, surface or suspended LED lighting system (see type of mounting, depending on the model) designed for work areas and professional spaces. The lights are available in widths of 25 mm, 35 mm or 70 mm.
In the 25 mm wide model:
- The system is modular and consists of straight elements measuring between 1000 mm and 3000 mm, and accessories such as special kits and covers for suspended installation (with suspension and power cables). Each module can be connected to others mechanically. Electrically, each module operates with a separate power input connected to a driver (either dedicated to one module or shared between several).
- The LED module, profile, reflector and diffuser are offered together as one complete element under a single sale code (in the 5 lengths available).

In the 35 and 70 mm wide models:
- The system is modular and consists of straight elements measuring between 565 mm and 3095 mm, angled in the same plane or with ceiling-wall plane variations, and accessories such as covers and suspension kits. Each module can be connected to others mechanically and electrically. Electrically, the entire modular arrangement is powered from just one point.
- The lights are complete with:
  · LED light modules with driver included, in 3000K and 4000K versions.
  · Aluminium profile for installation.
  · Reflector.
  · Module connection system.
  · Fall-prevention safety cable for the lights, to ensure maximum protection during installation operations.
  · Two different diffusers available: opal for general lighting or micro-prism for increased visual comfort. Also available as a separate accessory to complete gaps in structures with corners or lengths greater than 3 m.
- The exterior profile in the Recessed No Trim version is only available in a white finish. All other versions are available with the following finishes: white, anodised grey and black.

Power supply units
In the 25 mm wide model:
- Drivers not included, see recommended equipment.

In the 35 and 70 mm wide models:
- Drivers included in lighting modules for direct connection to 220-240V network or to other system modules.

Accessories
If necessary for the installation, the following accessories must be requested separately for all models:
- Covers.
- Suspension kits.
- Power supply kits.

Additional information
In the 25 mm wide model:
- For adjustable options seek advice.
- IP20 protection rating.
- Insulation class III.

In the 35 and 70 mm wide models:
- DALI 1-100% version available.
- 1-10V dimmable version on request.
- IP20, IP40 protection rating.
- Insulation class I.

Combining models 25 and 35/70 may result in the light having slight colour differences. It is not advisable to combine model 25 with the 35/70 in shared spaces.

Before ordering, view the product details in the specifications on the Flos website, the technical sheet and the installation and assembly instructions, in order to fully understand information that may not appear in the catalogue, and which may be relevant for your actual project or installation.

Compliance with Standards and Quality Standards
The light complies with EU technical standard EN60598-1 and the sections contained within.

IN-FINITY

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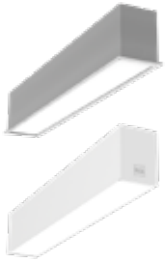
SURFACE

SUSPENSION DOWN

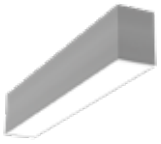
25 mm

LIGHT SOURCE
TOP LED
19,5W/m
2103 lm/m
3000K/CRI 90
2195 lm/m
4000K/CRI 90

RECESSED TRIM / NO TRIM



SURFACE



SUSPENSION DOWN

35 mm

LIGHT SOURCE
TOP LED
18,5W/m
2665 lm/m
3000K/CRI 80
18,5W/m
2800 lm/m
4000K/CRI 80

70 mm

LIGHT SOURCE
TOP LED
25W/m
2985 lm/m
3000K/CRI 80
25W/m
3135 lm/m
4000K/CRI 80

SUSPENSION UP&DOWN

35 mm

LIGHT SOURCE
TOP LED
31,5W/m
1785 lm/m UP
2665 lm/m DOWN
3000K/CRI 80
31,5W/m
1875 lm/m UP
2800 lm/m DOWN
4000K/CRI 80

70 mm

LIGHT SOURCE
TOP LED
38W/m
1785 lm/m UP
2985 lm/m DOWN
3000K/CRI 80
38W/m
1875 lm/m UP
3135 lm/m DOWN
4000K/CRI 80

25

☐ 40 Weiss
40 White

29 Grau-eloxiert
29 Anodized Grey

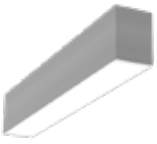
■ 14 Schwarz
14 Black

---

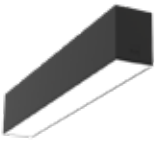
35 / 70

☐ 30 Weiss
30 White

02 Grau-eloxiert
02 Anodized Grey

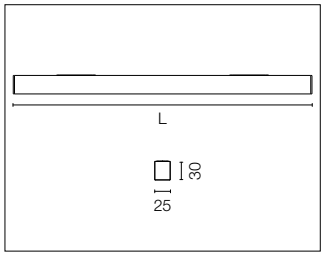


■ 14 Schwarz
14 Black



In-Finity 25 mm

Top LED 19,5W/m - 2103 lm/m - 3000K/CRI 90 / 19,5W/m - 2195 lm/m - 4000K/CRI 90



LED-Profil für Lichtleiste mit einer Breite von nur 25 mm. Erhältlich für die Aufputzmontage, aber auch geeignet für die abgehängte Montage mittels spezifischem Abhängeset. Treiber sind separat zu bestellen.

LED profile for linear lighting, only 25 mm wide. Available in surface mounted versions, with possibility of suspended installation by means of a dedicated kit. Drivers not included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 220-240V 60W	60.9705
Non Dimmable 220-240V 60W	60.9515
Non Dimmable 220-240V 120W	60.9516

* Siehe Treiberkapitel / Refer to the Drivers chapter

3000K

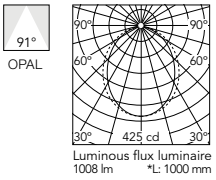
L: 1000 mm
- 03.5330.40
- 03.5330.29
- 03.5330.AN

L: 1500 mm
- 03.5331.40
- 03.5331.29
- 03.5331.AN

L: 2000 mm
- 03.5332.40
- 03.5332.29
- 03.5332.AN

L: 2500 mm
- 03.5333.40
- 03.5333.29
- 03.5333.AN

L: 3000 mm
- 03.5334.40
- 03.5334.29
- 03.5334.AN



Luminous flux luminaire
1008 lm *L: 1000 mm

Beam Angle: 91°

h(m)	E(lx)	D(m)
1	425	2.04
2	106	4.07
3	47	6.11
4	27	8.15
5	17	10.18

4000K

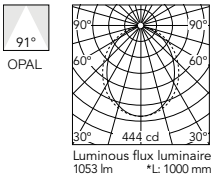
L: 1000 mm
- 03.5335.40
- 03.5335.29
- 03.5335.AN

L: 1500 mm
- 03.5336.40
- 03.5336.29
- 03.5336.AN

L: 2000 mm
- 03.5337.40
- 03.5337.29
- 03.5337.AN

L: 2500 mm
- 03.5338.40
- 03.5338.29
- 03.5338.AN

L: 3000 mm
- 03.5339.40
- 03.5339.29
- 03.5339.AN



Luminous flux luminaire
1053 lm *L: 1000 mm

Beam Angle: 91°

h(m)	E(lx)	D(m)
1	444	2.04
2	111	4.07
3	49	6.11
4	28	8.15
5	18	10.18

Zubehör / Accessories

Metallverschluss für die verschiedenen Profile. 2 Stück pro Set.

Metal end cap for the different profiles. 2 unit kit.

- 08.0131.40
- 08.0131.29
- 08.0131.14

Einzelstück Hängeset (L = 4 m). Maximale Entfernung zwischen den Befestigungskabeln: 850mm. Abmessungen Deckendübel (h=63mm, d=22mm) und Dübel am Profil (l=63mm a=22mm h=7,5mm)

One unit suspension kit (L = 4 m). Maximum distance between the suspension cables: 850mm. Ceiling anchor dimensions (h=63mm, d=22mm) and anchor to profile (l=63mm a=22mm h=7,5mm)

08.0139.00

5 m Länge, Stromkabel. Zur Verwendung mit Remote-Treibern.

5-meter long, power cable. To use with remote drivers.

- 06.0420.30
- 06.0420.14

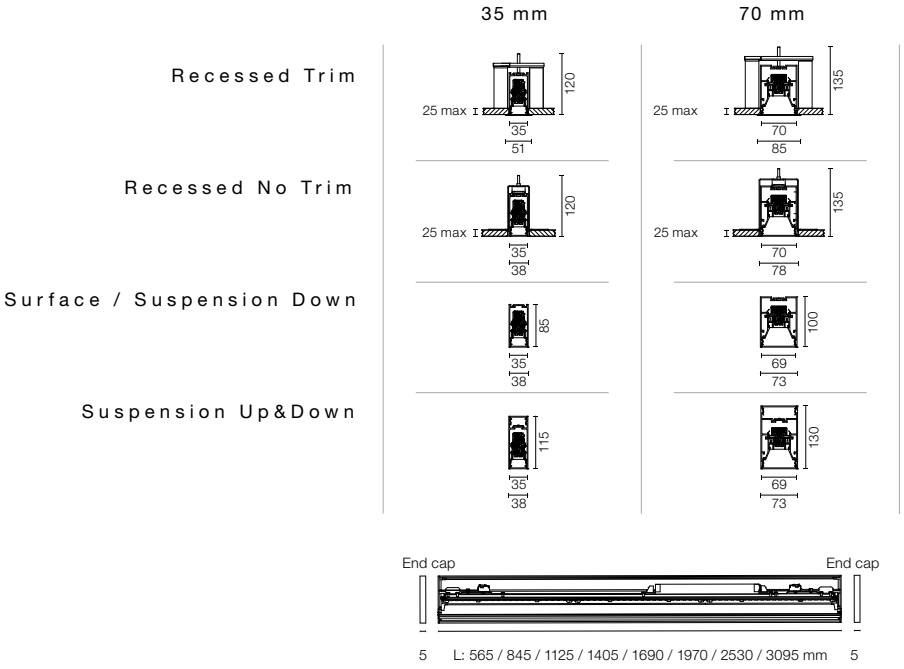
IN-FINITY 35 & 70

Profile

Beleuchtungselemente mit geradem und eckigen Profilen in verschiedenen Längen, die entsprechend den Oberflächen jedes Projekts miteinander verbunden oder mit den Verschlüssen an jedem Ende als Einzelleuchten verwendet werden können.
Alle Elemente des Systems werden zur Gänze durch integrierte LED-Module beleuchtet. Ebenfalls im Lieferumfang enthalten sind der zur gewählten Ausführung passende Treiber, der Installationskanal und der Reflektor.
Individuell angepasste X- oder T-Elemente auf Anfrage erhältlich.

Profiles

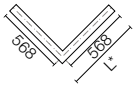
Straight elements of different lengths and corner elements, to be composed according to the specific need of each project or to be completed by a pair of end caps and used as a single lamp.
All system elements are completely illuminated by an included LED module, the required driver, installation channel, and the diffuser for the version selected. Custom X or T elements available under request.



Einflächige Ecke / Flat Corner

Eckleuchte für Winkeln auf derselben Oberfläche, samt zur gewählten Ausführung passendem Treiber, Installationskanal und Reflektor.

Corner element lamps for angles on the same surface, complete with a driver, installation channel and the diffuser for the version selected.

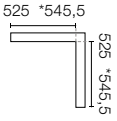


*L: 586 mm - N35 / L: 603 mm - N70

Zweiflächige Ecke / Dihedral Corner

Eckleuchte für Ecken mit Oberflächenwechsel (beispielsweise Decke zu Wand) samt zur gewählten Ausführung passendem Treiber, Installationskanal und Reflektor. Für die Version Abhängung nicht verfügbar.

Corner element lamps for angles with surface changes (example: angle ceiling / wall), complete with a driver, installation channel and the diffuser for the version selected. For suspended versions not available.

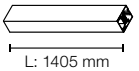


*35 mm section

Notfall / Emergency

Notfallmodul in allen Versionen verfügbar, mit Ausnahme der Up&Down-Version. Bei Normaleinsatz entspricht der Verbrauch dem der Standardanlage In-Finity. Im Notlichteinsatz gibt sie für eine Dauer von 3 Stunden 10 % des normalen Lichtsflusses ab.

Emergency module available for all versions except for the Up&Down version. In normal use, it uses the same power consumption as the standard In-FInity. In emergency use, it emits 10% of normal use during 3 hours.



L: 1405 mm

***Opaler Diffusor / Opal Diffuser**

Diffuse, gleichmäßige und blendfreie Raumbeleuchtung.
Auch als separates Zubehör zum Füllen von Lücken in Bauwerken mit Ecken oder länger als 3 m erhältlich.

Diffuse, glare free and uniform lighting throughout the room.
Also available as separate accessory to fill gaps in structures with corners or longer than 3 meters.

***Mikroprismatischer Diffusor / Micro-Prismatic Diffuser**

Hochwirksamer Diffusor, der durch seine einzigartige, mehrlagige mikro-prismatische Struktur für eine blendfreie Beleuchtung im UGR<19 Winkel sorgt.
Auch als separates Zubehör zum Füllen von Lücken in Bauwerken mit Ecken oder länger als 3 m erhältlich.

Highly efficient multilayer diffuser that, thanks to its unique micro-prismatic texture, provides a glare free UGR<19 light beam.
Also available as separate accessory to fill gaps in structures with corners or longer than 3 meters.

IN-FINITY 35 & 70

WIE SIE ZU IHREM CODE KOMMEN / HOW TO GET YOUR CODE

Für einen schnelleren Einblick und eine Gesamtübersicht über das Sortiment wurde die Nummerierungs-struktur der Teile der Leuchtenfamilie In-Finity so aufgebaut, dass sie nach ihrer Zusammensetzung den spezifischen Anforderungen jeder Installation entspricht. Sie müssen nur aus der nachstehenden Tabelle für jedes Feld die Zahl oder den Buchstaben auswählen, die/der Ihrer benötigten In-Finity Version entspricht, daraus ergibt sich der Endcode.

For a quicker understanding and easier overview of the range, the part number structure for the In-Finity family has been created to be composed to match the requests of each specific installation.
According to the following table, for each field, just choose the number or letter corresponding to the In-Finity version you need, and you'll have the final code.

N 70 S 25 4 U 14B DA

Sektion / Section

35 mm	35
70 mm	70

***Installation / Installation**

Recessed Trim	T
Recessed No Trim	N
Surface	S
Suspension Down	D
Suspension Up&Down	U

Elemente / Elements

Geradlinig / Straight 565 mm	05
Geradlinig / Straight 845 mm	08
Geradlinig / Straight 1125 mm	11
Geradlinig / Straight 1405 mm	14
Geradlinig / Straight 1690 mm	16
Geradlinig / Straight 1970 mm	19
Geradlinig / Straight 2530 mm	25
Geradlinig / Straight 3095 mm	30
Einflächige Ecke / Flat Corner	FC
Zweiflächige Ecke / Dihedral Corner	DC
Notfall / Emergency (1405 mm)	EM

Farbtemperatur / Color T^{a} (°K)

3000K	3
4000K	4

****Optik / Optic**

General Lighting (Opal)	G
Micro-Prismatic Diffuser	U

Ausführungen / Colours

Weiss / White	30B	30
Grau-eloxiert / Anodized Grey	02B	02
Schwarz / Black	14B	14

Version / Version

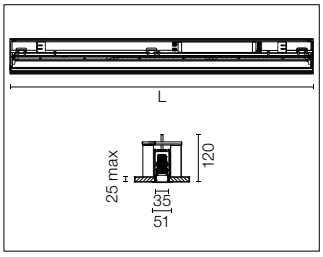
Standard (Non Dimmable)	
Dali	DA

* Die Ausführung Recessed No Trim ist nur in Weiss (30) erhältlich. / No Trim Recessed version is only available in white finish (30).
Die Suspension Versionen sind nur mit Flachwinkel erhältlich. / In Suspension versions only available flat corner.
Das gerade Profil mit 565 mm für das Modell Suspension Up&Down ist nicht verfügbar. / Suspension Up&Down version is not available in 565 mm linear profile.

**Auch als separates Zubehör zum Füllen von Lücken in Bauwerken mit Ecken oder länger als 3 m erhältlich / Also available as separate accessories to fill gaps in structures with corners or longer than 3 m.

In-Finity Recessed Trim 35 mm

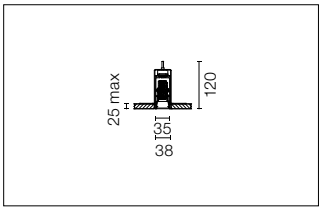
Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80



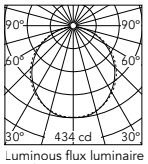
LED-Beleuchtungssystem in Modulbauweise für Unterputzmontage Trim/No trim, bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen.

LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

In-Finity Recessed No Trim 35 mm



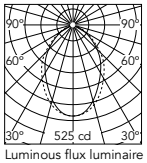
OPAL



Luminous flux luminaire
1242 lm *L: 1000 mm

Beam Angle:	110°
h(m)	E(lx) D(m)
1	434 2.84
2	108 5.68
3	48 8.52
4	27 11.36
5	17 14.19

MICRO-
PRISMATIC

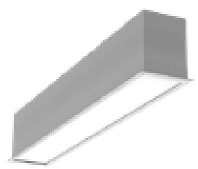


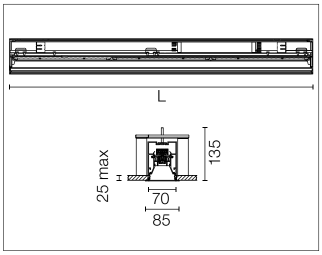
Luminous flux luminaire
968 lm *L: 1000 mm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	525 1.55
2	131 3.11
3	58 4.66
4	33 6.22
5	21 7.77

In-Finity Recessed Trim 70 mm

Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80





IP 40

GWT 850°

1 - 100%

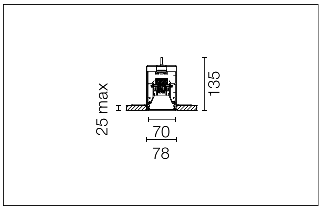
DALI

LED INCL

LED-Beleuchtungssystem in Modulbauweise für Unterputzmontage Trim/No trim, bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen.

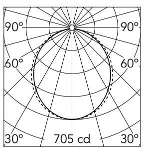
LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

In-Finity Recessed No Trim 70 mm



103°

OPAL



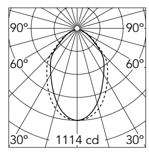
Luminous flux luminaire
1880 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72°

MICRO-PRISMATIC



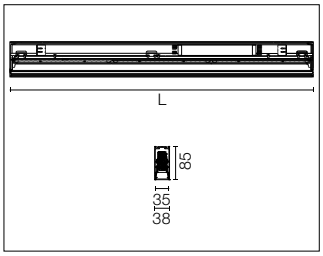
Luminous flux luminaire
1915 lm *L: 1000 mm

Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

In-Finity Surface 35 mm

Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80



IP 40

GWT 850°

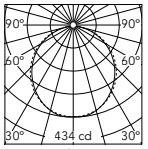
1 - 100% DALI

LED INCL.

LED-Beleuchtungssystem in Modulbauweise für Aufputzmontage, bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen.

LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

110° OPAL

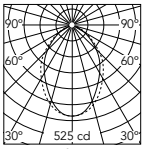


Luminous flux luminaire
1242 lm *L: 1000 mm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

76° MICRO-PRISMATIC



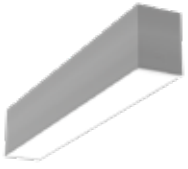
Luminous flux luminaire
968 lm *L: 1000 mm

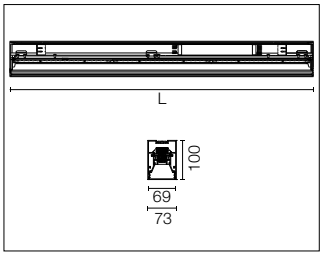
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	525	1.55
2	131	3.11
3	58	4.66
4	33	6.22
5	21	7.77

In-Finity Surface 70 mm

Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80





IP 40

GWT 850°

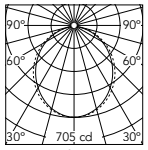
1 - 100% DALI

LED INCL.

LED-Beleuchtungssystem in Modulbauweise für Aufputzmontage, bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen.

LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

103° OPAL

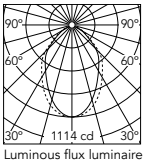


Luminous flux luminaire
1880 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72° MICRO-PRISMATIC



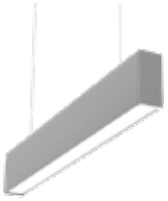
Luminous flux luminaire
1915 lm *L: 1000 mm

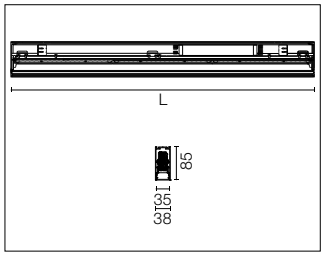
Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

In-Finity Suspension Down 35 mm

Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80





IP 20

GWT 850°

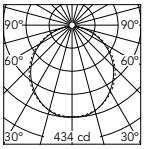
1 - 100% DALI

LED INCL

LED-Beleuchtungssystem in Modulbauweise für abgehängte Montage bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen. Befestigungsset nicht enthalten.

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

110° OPAL

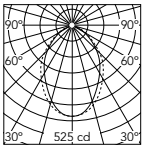


Luminous flux luminaire
1242 lm *L: 1000 mm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

76° MICRO-PRISMATIC



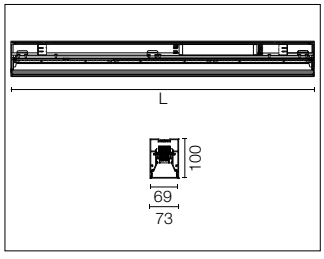
Luminous flux luminaire
968 lm *L: 1000 mm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	525	1.55
2	131	3.11
3	58	4.66
4	33	6.22
5	21	7.77

In-Finity Suspension Down 70 mm

Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



IP 20

GWT 850°

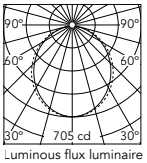
1 - 100% DALI

LED INCL

LED-Beleuchtungssystem in Modulbauweise für abgehängte Montage bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen. Befestigungsset nicht enthalten.

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

103° OPAL

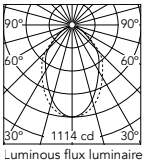


Luminous flux luminaire
1880 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72° MICRO-PRISMATIC



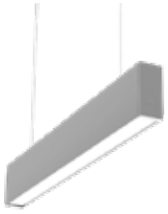
Luminous flux luminaire
1915 lm *L: 1000 mm

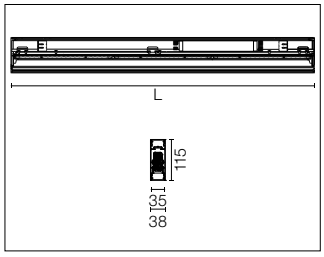
Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

In-Finity Suspension Up&Down 35 mm

Top LED 31,5W/m - 1785 lm/m UP - 2665 lm/m DOWN - 3000K/CRI 80 / 31,5W/m - 1875 lm/m UP - 2800 lm/m DOWN - 3000K/CRI 80





IP 20

GWT 850°

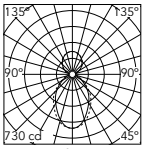
1 - 100% DALI

LED INCL

LED-Beleuchtungssystem in Modulbauweise für abgehängte Montage bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen. Befestigungsset enthalten.

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

103°
OPAL

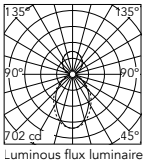


Luminous flux luminaire
2178 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	730	1.55
2	182	3.11
3	81	4.66
4	46	6.22
5	29	7.77

76°
MICRO-PRISMATIC



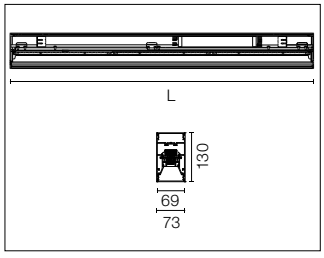
Luminous flux luminaire
2094 lm *L: 1000 mm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	702	1.55
2	175	3.11
3	78	4.66
4	44	6.22
5	28	7.77

In-Finity Suspension Up&Down 70 mm

Top LED 38W/m - 1785 lm/m UP - 2985 lm/m DOWN - 3000K/CRI 80 / 38W/m - 1875 lm/m UP - 3135 lm/m DOWN - 4000K/CRI 80



IP 20

GWT 850°

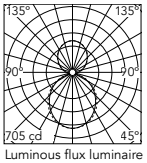
1 - 100% DALI

LED INCL

LED-Beleuchtungssystem in Modulbauweise für abgehängte Montage bestehend aus LED-Modulen, Aluminiumprofil und Diffusor. Die Treiber für direkten Netzanschluss 220-240V oder für den Anschluss an andere Module des Systems sind in den Leuchtmodulen inbegriffen. Befestigungsset enthalten.

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

103°
OPAL

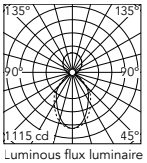


Luminous flux luminaire
3062 lm *L: 1000 mm

Beam Angle DIR: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72°
MICRO-PRISMATIC



Luminous flux luminaire
3108 lm *L: 1000 mm

Beam Angle DIR: 72°

h(m)	E(lx)	D(m)
1	1115	1.46
2	279	2.92
3	124	4.38
4	70	5.84
5	45	7.30

Zubehör / Accessories

Metallverschluss für die verschiedenen Profile.
2 Stück pro Set.

Flos Architectural für eine Konfiguration ohne end caps kontaktieren.

*Die Ausführung Recessed No Trim ist nur in Weiss (40) erhältlich.

Metal end cap for the different profiles.
2 unit kit.

Contact Flos Architectural team for a configuration without end caps.

*No Trim Recessed version is only available in white finish (40).

Recessed Trim

35 mm
- 08.9051.40
- 08.9051.02
- 08.9051.NS

70 mm
- 08.9053.40
- 08.9053.02
- 08.9053.NS

Recessed No Trim*/ Surface / Suspension Down

35 mm
- 08.9050.40
- 08.9050.02
- 08.9050.NS

70 mm
- 08.9052.40
- 08.9052.02
- 08.9052.NS

Suspension Up&Down

35 mm
- 08.9056.40
- 08.9056.02
- 08.9056.NS

70 mm
- 08.9057.40
- 08.9057.02
- 08.9057.NS

Einzelstück Hängeset (L = 4 m). Maximale Entfernung zwischen den Befestigungskabeln: 2 m. Abmessungen Deckendübel (h=63mm, d=22mm) und Dübel am Profil (l=36mm a=24mm h=9mm)

One unit suspension kit (L = 4 m). Maximum distance between the suspension cables: 2 m. Ceiling anchor dimensions (h=63mm, d=22mm) and anchor to profile (l=36mm a=24mm h=9mm)

08.0030

Anschlussrosette für den hängenden Einbau von In-Finity. Die Standardausführung wird mit dreipoligem Kabel für einfache Schaltung geliefert. Die Ausführung Dalí wird mit fünfpoligem Kabel geliefert, das für unabhängige Doppelschaltung der indirekten und direkten Beleuchtung in der Standardversion Up&Down eingesetzt werden kann. Mit 4 m langem Abhängekabel.

Power supply rose for the hanging installation of the In-finity. The standard version comes with a three-pole cable for basic switching. The Dali version comes with a five-pole cable that can be used for double switching, independent from the direct and indirect lighting in the standard Up&Down version. Includes a 4 m suspension cable.

08.0031.00
Dali Version
08.0031.00.DA

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500 mm opaler diffusor. Diffuse, gleichmäßige und blendfreie Raumbeleuchtung.
Zubehör zum Ausfüllen von Lücken in Gebäuden mit Ecken oder Längen von mehr als 3 m.

500 mm opal diffuser. Diffuse, glare free and uniform lighting throughout the room.
Accessory to fill gaps in structures with corners or longer than 3 meters.

In-Finity 35
08.0109.00
In-Finity 70
08.0110.00

---

500 mm mikroprismatischer diffusor. Hochwirksamer Diffusor, der durch seine einzigartige, mehrlagige mikro-prismatische Struktur für eine blendfreie Beleuchtung im UGR<19 Winkel sorgt.
Zubehör zum Ausfüllen von Lücken in Gebäuden mit Ecken oder Längen von mehr als 3 m.

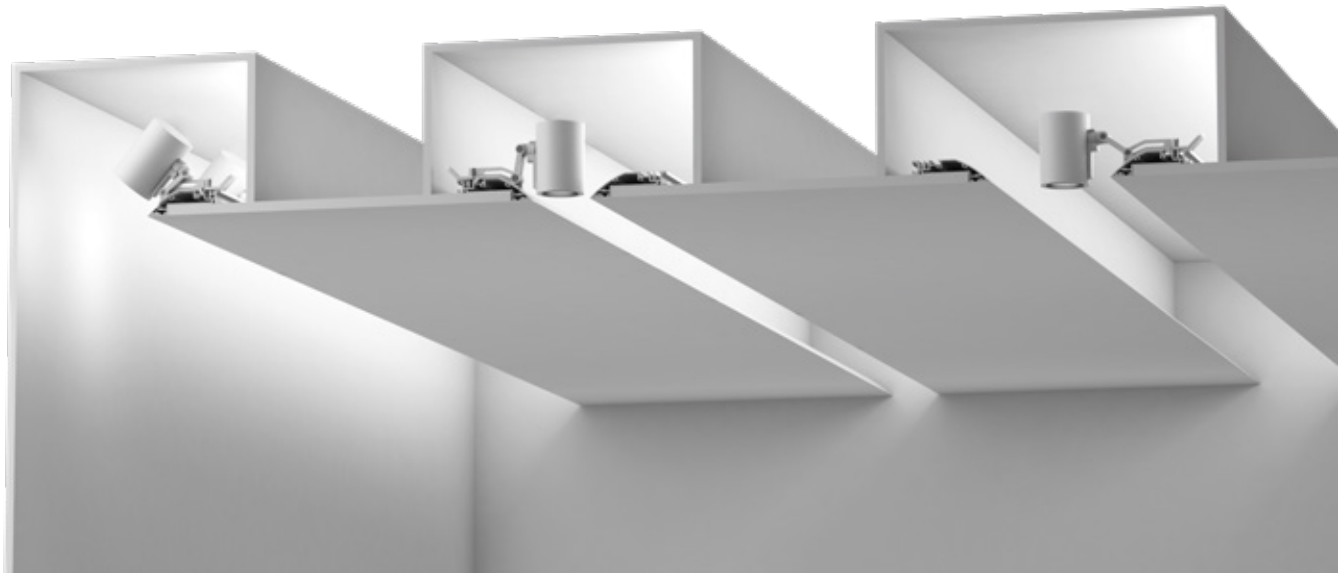
500 mm micro-prismatic diffuser. Highly efficient multilayer diffuser that, thanks to its unique micro-prismatic texture, provides a glare free UGR<19 light beam.
Accessory to fill gaps in structures with corners or longer than 3 meters.

In-Finity 35
08.0112.00
In-Finity 70
08.0113.00

LIGHT CUT MINI

DESIGNED BY FLOS ARCHITECTURAL

PERIMETRAL 70 mm 140 mm



SPOTS MODULES

LIGHT SOURCE
LED ARRAY
18W
1850 lm
3000K/CRI 90

LIGHT SOURCE
LED ARRAY
HIGHT
PERFORMANCE
18W
2193 lm
3000K/CRI 90

LIGHT SOURCE
LED ARRAY
14,4W
1380 lm
3000K/CRI 90

☐ 30 Mattweiss
30 Matte White

■ 14 Mattschwarz
14 Matte Black

Produktbeschreibung
Beleuchtungssystem bestehend aus einem stranggepressten Profil, das sich perfekt in Gipskartondecken integrieren lässt. LED Strahler können als Akzentlicht auf einfache Weise angebracht werden. Die Projektoren können direkt auf dem Profil installiert und mit einer Fernsteuerung der Klasse II genutzt werden. Darüber hinaus werden sie je nach Installationsart in zwei Größen angeboten und verfügen über Zubehör zur Optimierung des visuellen Komforts und über Farbfilter.

Lichtquelle
Möglichkeit, auf Anfrage einen anderen LED-Typ zu integrieren. Für weitere Informationen kontaktieren Sie bitte unser Team.

Zusatzinformationen
Nur auf Flächen aus Gipskarton mit 12,5 mm Stärke installierbar.
Es ist möglich die Profile auf jede Größe zuzuschneiden.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Lighting system comprising an extruded profile which integrates perfectly in plasterboard ceilings. It is prepared for the simple integration of lighting with LED projectors. The projectors are prepared for installation directly on the profile, with Class II remote equipment. Furthermore, they are available in two sizes depending on the installation. It has accessories for visual comfort optimization and colour filters.

Light Source
Possibility to integrate a different type of LED upon request. For more information, please contact our team.

Additional Information
Can only be installed in 12.5 mm thick plaster-board.
It is possible to cut the profiles to any size.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Profiles
Spot Module
Spot Module Electrical Connection

Installation des Kanals 70 / Kanals 140

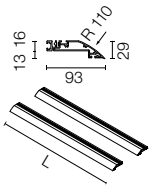
Struktursystem in Aluminiumausführung für den Einbau in Gipskartondecken. Ermöglicht die Installation von Projektoren. Für die Kanalinstallation werden Profile zu je 1 oder 2 Metern sowie doppelte Innen- und Außenecken genutzt. Es ist möglich die Profile auf jede Größe zuzuschneiden.

Channel 70 / Channel 140 Installation

Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Channel installation consists of 1 or 2 meter profiles, double inside and outside corners. It is possible to cut the profiles to any size.

Aluminiumprofil. Set mit 2 stück.

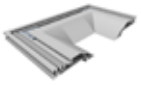
Aluminium profile. 2 unit kit.

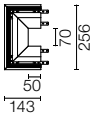


Channel 70 / 140
L: 1000 mm
08.8720.30
08.8720.14
L: 2000 mm
08.8721.30
08.8721.14

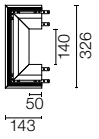
Endkappe.

End cap.





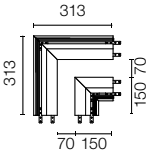
Channel 70
08.8705.30
08.8705.14



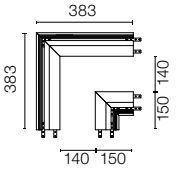
Channel 140
08.8706.30
08.8706.14

Winkel.

Corner.



Channel 70
08.8707.30
08.8707.14



Channel 140
08.8708.30
08.8708.14

Perimetrische Installation

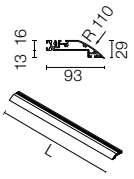
Struktursystem in Aluminiumausführung für den Einbau in Gipskartondecken. Ermöglicht die Installation von Projektoren. Für die perimetrale Installation werden Profile zu je 1 oder 2 Metern, Innenecken und Außenecken genutzt. Es ist möglich die Profile auf jede Größe zuzuschneiden.

Perimetral Installation

Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Perimetral installation consists of 1 or 2 meter profiles, inside and outside corners. It is possible to cut the profiles to any size.

Aluminiumprofil. Set mit 1 stück.

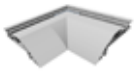
Aluminium profile. 1 unit kit.



L: 1000 mm
08.8701.30
08.8701.14
L: 2000 mm
08.8702.30
08.8702.14

Innenwinkel.

Inner corner.



08.8709.30
08.8709.14

Außenwinkel.

Outer corner.

08.8710.30
08.8710.14

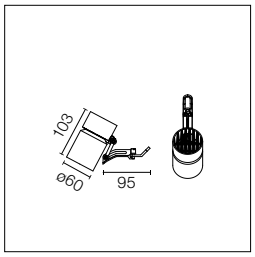
Zubehör für vertikalecke.

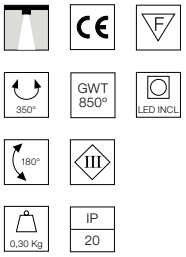
Accessory for vertical corner.

08.8711.00

Spot Module Pro LED Array

LED Array DC 500 mA - 18W - 1850 lm - 3000K/CRI 90
LED Array High Performance DC 500 mA - 18W - 2193 lm - 3000K/CRI 90





Projektor für die Installation in Light Cut Mini Systemen. Fernbedientes Konstantstrom-Netzgerät nicht im Lieferumfang enthalten.
Zu den Hochleistungsteilenummern gehört ein Hochleistungsreflektor.

Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.
High performance part numbers include high performance reflector.

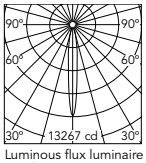
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 220-240V	60.9160
Dimmable 0/1-10V / Push 220-240V	60.9188
Dimmable DALI 2 110-240V	60.9222
Mains Dimming 220-240V	60.9467
Casambi 220-240V	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

09.0360.30
09.0360.14

11° SPOT

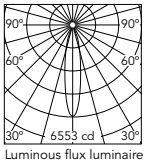


Luminous flux luminaire 1234 lm

Beam Angle: 11°		
h(m)	E(lx)	D(m)
1	13267	0.19
2	3317	0.39
3	1474	0.58
4	829	0.77
5	531	0.97

09.0361.30
09.0361.14

20° MEDIUM

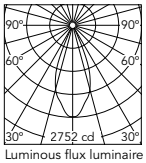


Luminous flux luminaire 1207 lm

Beam Angle: 20°		
h(m)	E(lx)	D(m)
1	6553	0.35
2	1638	0.71
3	728	1.06
4	410	1.41
5	262	1.77

09.0362.30
09.0362.14

42° FLOOD

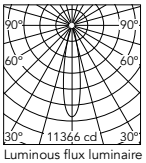


Luminous flux luminaire 1162 lm

Beam Angle: 42°		
h(m)	E(lx)	D(m)
1	2752	0.76
2	688	1.53
3	306	2.29
4	172	3.05
5	110	3.81

High Performance
09.0365.30A
09.0365.14A

21° SPOT

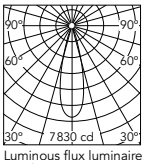


Luminous flux luminaire 1803 lm

Beam Angle: 21°		
h(m)	E(lx)	D(m)
1	11366	0.36
2	2842	0.73
3	1263	1.09
4	710	1.46
5	455	1.82

High Performance
09.0366.30A
09.0366.14A

27° MEDIUM

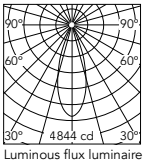


Luminous flux luminaire 1717 lm

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	7830	0.49
2	1957	0.97
3	870	1.46
4	489	1.95
5	313	2.43

High Performance
09.0367.30A
09.0367.14A

34° FLOOD

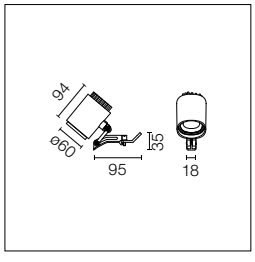


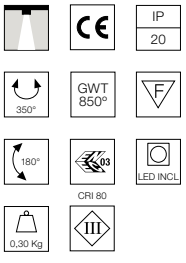
Luminous flux luminaire 1611 lm

Beam Angle: 34°		
h(m)	E(lx)	D(m)
1	4844	0.62
2	1211	1.24
3	538	1.86
4	303	2.48
5	194	3.10

Spot Module LED Array

LED Array DC 300 mA - 10W - 1380 lm - 3000K/CRI 90





Projektor für die Installation in Light Cut Mini Systemen. Fernbedientes Konstantstrom-Netzgerät nicht im Lieferumfang enthalten.

Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

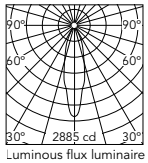
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 220-240V	60.9160
Dimmable 0/1-10V 110-240V	60.9188
Dimmable Dali 2 110-240V	60.8711A
Mains Dim. Trailing Edge 220-240V	60.9421
Casambi 220-240V	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

CRI 90
09.0217.30C
09.0217.14C

26° MEDIUM

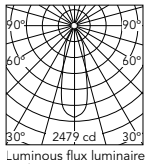


Luminous flux luminaire 853 lm

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	2885	0.46
2	721	0.93
3	321	1.39
4	180	1.86
5	115	2.32

CRI 90
09.0218.30C
09.0218.14C

30° FLOOD

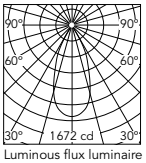


Luminous flux luminaire 881 lm

Beam Angle: 30°		
h(m)	E(lx)	D(m)
1	2479	0.53
2	620	1.06
3	275	1.59
4	155	2.11
5	99	2.64

CRI 90
09.0219.30C
09.0219.14C

43° WIDE FLOOD



Luminous flux luminaire 886 lm

Beam Angle: 43°		
h(m)	E(lx)	D(m)
1	1672	0.79
2	418	1.58
3	186	2.37
4	105	3.16
5	67	3.95

Zubehör / Accessories

Spot module: LED Array

Blauer filter Blue filter		08.8501.64.OD
Hellblauer filter Sky blue filter		08.8501.65.OD
Amber filter Amber filter		08.8501.66.OD
Roter filter Red filter		08.8501.67.OD
Hot light Hot light		08.8501.69
Cold light Cold light		08.8501.CL

Daylight Daylight		08.8501.DL
Neodimium Neodimium		08.8501.ND
Honeycomb Honeycomb		08.3309.14
Elliptische linse Elliptical lens		08.8627.68
Floodlinse Flood lens		08.3310.19

HIGH COMFORT

Gustave, EMI, Oblique, Oblique Floor,
Workmates, Light Shadow Mini, Light Shadow,
Light Shadow Pro&Dots, Eclectic, Circle of Light,
LED Curtain.

GUSTAVE

DESIGNED VINCENT VAN DUYSEN

GUSTAVE
HOSPITALITY

LIGHT SOURCE
TOP LED
2,3W
221 lm
2700K/CRI 90
235 lm
3000K/CRI 90

GUSTAVE
RESIDENTIAL

LIGHT SOURCE
TOP LED
2,5W
221 lm
2700K/CRI 90
235 lm
3000K/CRI 90

DY Matt White

DR Matt Anthracite

MR Laquered Brown

GX Laquered Green

05 Polished Silver

SB Smooth Black

VL Raw Aluminum

GUSTAVE

Beschreibung
Gustave ist eine tragbare Leuchte für Innenbeleuchtung, mit eigenständiger Energieversorgung, speziell entwickelt für die Tischbeleuchtung und ähnliche Einsatzmöglichkeiten als Beistellleuchte. Gustave ist in seinen kompakten Dimensionen die perfekte Kombination von innovativster optischer Lichttechnologie und disruptiver Technik und wurde von Flos mit einer konkreten Absicht und für folgendes Projekt entwickelt: Die erste tragbare Leuchte mit bewusst umweltfreundlichem, langlebigem und für die Kreislaufwirtschaft geeignetem Design auf den Markt zu bringen.

Optisches System
Gustave ist die erste Leuchte, die ein exklusives und von Flos patentiertes System von asymmetrischen Emissionslinsen integriert. Die Linsen sind kreisförmig angeordnet, 360° um die Position der Lampe. Diese bahnbrechende Innovation ermöglicht im Verhältnis zum zentralen Punkt der Lichtquelle eine große beleuchtete Fläche. Die Bandbreite und Intensität der Lichtverteilung wurde entwickelt, um das Licht einer herkömmlichen Beleuchtung für Tische von 2 bis 4 Personen zu optimieren. Und so verbessert Gustave das Verhältnis zwischen dem Flächenverbrauch der Leuchte und dem beleuchteten Bereich um ein Vielfaches.

Versorgung: Akkus
Bei den Akkus von Gustav handelt es sich um austauschbare Lithium-Ionen-Batterien, wiederaufladbar sowohl über ein USB-Kabel (Ausführung Residential für den Wohnbedarf) als auch extern mit speziellen Ladegeräten (Ausführung Hospitality für das Hotel- und Gastgewerbe). Diese Akkus sind standardisiert und im Einzelfachhandel erhältlich. Dieses Konzept ist eine Aktualisierung der Batterien der klassischen Taschenlampen und vermeidet die Obsoleszenz der Leuchte beim Ende der Lebensdauer des Akkus. Beim Ende seiner Lebensdauer wird er einfach ersetzt und Gustave funktioniert weiterhin wie am ersten Tag.
Darüber hinaus wird bei der professionellen Hospitality-Ausführung dank dieser Batteriephilosophie eine bemerkenswerte Funktionsverbesserung erzielt. Im Gegensatz zu seinen Alternativen ist Gustave bei Stromausfall weiterhin betriebsfähig, da seine Akkus durch geladene ersetzt werden können. Mit Gustave vermeidet das Hotel- und Gastgewerbe auch die Kosten für die Multiplikation der Einheiten, die während der ganzen Öffnungszeit die Beleuchtung gewährleisten sollen. Mit einer Leuchte Gustave pro gewünschtem Lichtpunkt und den geeigneten Batteriesätzen und Ladegeräten ist die Akkulaufzeit während der ganzen Öffnungszeit garantiert.

Autonomie: Kontrolle und Funktionalität
Wenn die Akkuladung von Gustave unter 20 % fällt, leuchtet die LED-Anzeige (am unteren Teil des Leuchtenkopfes) rot. Unter 10 % wird zusätzlich zur roten Anzeige die maximale Lichtstärke auf 25 % abgedunkelt. Bei 0 % Akkuladung schaltet sich die Leuchte automatisch aus. Bei der Hospitality-Ausführung beträgt die Leuchtautonomie bei 100 % 12 h, bei 50% 24 h und bei 25% 48 h. Die Akkuladezeit hängt vom Modell des externen Ladegeräts und dessen Eigenschaften ab. In der Ausführung für den Wohnbedarf beträgt die Leuchtautonomie bei 100 % 6 h, bei 50 % 10h und bei 25 % 18 h. Die Akkuladezeit beträgt etwa 5 bis 6 h. Während des Ladevorgangs bleibt die LED-Anzeige gelb. Ist die volle Ladung erreicht, wechselt die Anzeige auf grün. Es wird empfohlen, den Akku bei ausgeschaltenem Gerät aufzuladen.

Kontrollsystem
Gustave wird über eine kapazitive Drucktaste am Sockel des Leuchtenkopfes ein- und ausgeschaltet sowie reguliert. In der Ausführung für den Wohnbedarf ist die Regulierung sequenziell von 0-100 % und umgekehrt. Die letzte Position wird gespeichert und das Maximum oder Minimum der Intensität wird blinkend angezeigt. In der Hospitality-Ausführung ist die Regulierung 3-stufig (25 %, 50 %, 100 %), was die Einheitlichkeit der Gustave-Leuchten im gleichen Raum vereinfacht.

Zubehör und Ersatzteile
In der Hospitality-Ausführung bietet Gustave als Zubehör ein externes Akkuladegerät und in der Ausführung für den Wohnbedarf ein Netzteil für das USB-Ladekabel an. Für beide Ausführungen sind Lithium-Ionen-Akkus auch als Zubehör und/oder Ersatzteile erhältlich. Die Ausführung für den Wohnbedarf enthält die benötigten Akkus. Für die Hospitality-Ausführung müssen die Akkus separat erworben werden. Werden die Lithium-Ionen-Akkus bei einem Drittanbieter erworben, muss sichergestellt werden, dass sie die größenspezifischen, elektrischen und sonstigen Anforderungen in der Produktanleitung erfüllen.

Zusätzliche Informationen
Schutzklasse IP54.

Einhaltung gesetzlicher Vorschriften und Qualitätszeichen
Die Leuchte entspricht den europäischen technischen Vorschriften EN 60598-1 und Teilen von EN 60598-2.

Description
Gustave is a portable for indoor lighting, self-powered luminaire, specially designed for tabletop lighting applications and other related uses as supplementary lighting. Gustave's compact size encloses a perfect mix of the most innovative optical and light technology and a disruptive engineering, developed in the service of a discretionary purpose of Flos for this project: to create the first portable luminaire on the market with circular design awareness, ecological and honestly conceived against obsolescence.

Optical System
Gustave is the first luminaire to incorporate a system of exclusive, patented by Flos, asymmetrical emission lenses, arranged in revolution and spanning 360° around the position of the lamp. This pioneering innovation makes it possible to achieve a large illuminated surface in relation to the central point of the light source. The expanse and intensity of the light distribution has been designed to optimize the light obtained in archetypal applications for tables hosting 2 to 4 guests. Thus, with Gustave, the ratio between the surface occupied by the lamp and the area illuminated by it is improved to the maximum.

Power Supply: Batteries
Gustave uses lithium-ion cell batteries that are replaceable and rechargeable, either via a USB cable for the Residential version, or externally by using dedicated chargers for the Hospitality version. This battery format is standard and easy to purchase from retail distributors of such products. This concept, a sort of upgrade of the classic flashlight batteries, puts an end to the link between battery life and lamp obsolescence. When the batteries reach the end of their cycle, they are simply replaced with new ones and Gustave continues to function as on the first day.
In addition, in the Hospitality version for professionals, a remarkable functional improvement is achieved thanks to its battery philosophy. Unlike its alternatives, when Gustave runs out of power, it can quickly continue to operate: just easily replace the batteries with charged ones and it will be operational again. On top of that, Gustave allows hotels and restaurants to avoid the cost of multiplying the units needed to have lighting throughout the service hours. Just having one Gustave per desired spot and the relevant sets of batteries and chargers to provide them with power during opening hours will be enough.

Autonomy: Management and Functionality
When Gustave's charge drops below 20%, its red LED indicator (located at the bottom of the product head) lights. When it drops below 10%, in addition to the red indicator, the lamp is forced to dim the maximum intensity to 25%. When it reaches 0%, the luminaire automatically switches off. In the Hospitality version, the autonomy of the product is 12h at 100%, 24h at 50% and 48h at 25%. Charging time will depend on the external charger model and its characteristics. In the Residential version, the product autonomy is 6h at 100%, 10h at 50% and 18h at 25%. Approximate charging time is 5 to 6 hours. During charging, the LED indicator will remain yellow. When it reaches full charge, it changes to green. It is recommended to charge the product while it is turned off.

Control System
Gustave is switched on, off and dimmed via a capacitive button located at the base of the luminaire head. In the Residential version, product dimming is sequential from 0-100% and vice versa. It has last position memory and an indicator that flashes when the maximum or minimum intensity is reached. To facilitate uniformity between the Gustave Hospitality version units sharing a space, the light level is dimmed in 3 steps (25%, 50%, 100%).

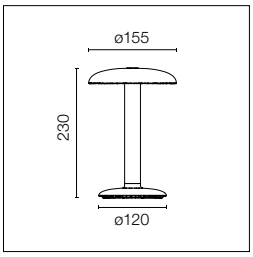
Accessories and Spare Parts
As accessories, Gustave offers an external battery charger in the Hospitality version and a power adapter for the USB charging cable in the Residential version. Lithium-ion batteries are also offered as accessories and/or spare parts for both versions. The Residential version is sold with batteries included. The Hospitality version is sold without batteries and these must be purchased separately. If the lithium-ion batteries are purchased from a non-Flos distributor, it is important to ensure that they meet the dimensional, electrical and other requirements stated in the product instructions.

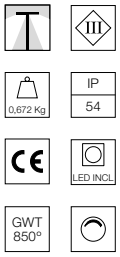
Additional Information
IP54 protection rating.

Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Gustave Hospitality

Top LED DC 60 mA - 2,3W - 221 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90



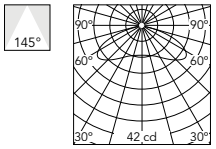


Tragbare Leuchte für Innenbeleuchtung mit autonomem Akku, entwickelt für den Hospitality-Bereich (Hotels, Restaurants...). Betrieben mit 'Button Type 18650 Li-Ion'-Akkus (3 Stück, nicht enthalten). Externes Ladegerät nicht enthalten. 3-stufiges Dimmen (25 %, 50 %, 100 %) über kapazitiven haptischen Druckknopf.

Portable luminaire for indoor lighting with autonomous battery, designed for hospitality (hotels, restaurants...). Powered by 'Button Type 18650 Li-Ion' batteries (3 units, not included). External battery charger not included. 3-Step dimming (25%, 50%, 100%) by means of capacitive haptic push button.

2700K

- 09.8400.DY
- 09.8400.DR
- 09.8400.MR
- 09.8400.GX
- 09.8400.05
- 09.8400.SB
- 09.8400.VL



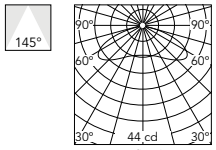
Luminous flux luminaire
159 lm

Beam Angle: 145°

h(m)	E(lx)	D(m)
1	22	6.28
2	6	12.56
3	2	18.84
4	1	25.11
5	1	31.39

3000K

- 09.8401.DY
- 09.8401.DR
- 09.8401.MR
- 09.8401.GX
- 09.8401.05
- 09.8401.SB
- 09.8401.VL



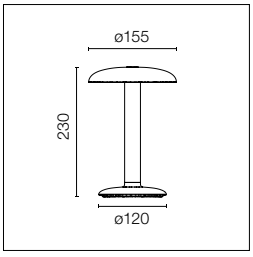
Luminous flux luminaire
169 lm

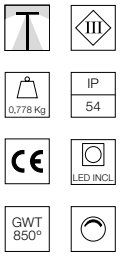
Beam Angle: 145°

h(m)	E(lx)	D(m)
1	24	6.28
2	6	12.56
3	3	18.84
4	1	25.11
5	1	31.39

Gustave Residential

Top Array DC 60 mA - 2,5W - 221 lm - 2700K/CRI 90 / 2,5W - 235 lm - 3000K/CRI 90



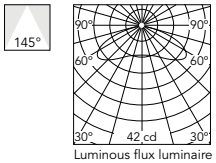


Tragbare Leuchte für Innenbeleuchtung mit autonomem Akku, entwickelt für den Wohnbereich. Betrieben mit 'Button Type 18650 Li-Ion'-Akkus (2 Stück, im Produkt enthalten). USB-C-Ladekabel (Steckdosenadapter nicht enthalten). 0-100% sequenzielle Regulierung über kapazitiven haptischen Druckknopf.

Portable luminaire for indoor lighting with autonomous battery, designed for residential applications. Powered by 'Button Type 18650 Li-Ion' batteries (2 units, included inside the product). USB-C charging cable (plug adapter not included). 0-100% sequential regulation by means of capacitive haptic push button.

2700K

- 09.8405.DY
- 09.8405.DR
- 09.8405.MR
- 09.8405.GX
- 09.8405.05
- 09.8405.SB
- 09.8405.VL



Luminous flux luminaire
159 lm

Beam Angle: 145°

h(m)	E(lx)	D(m)
1	22	6.28
2	6	12.56
3	2	18.84
4	1	25.11
5	1	31.39

3000K

- 09.8406.DY
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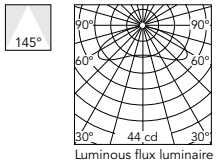
- 09.8406.MR
- 09.8406.GX
- 09.8406.05
- 09.8406.SB
- 09.8406.VL



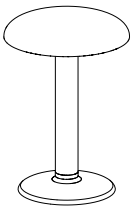
Luminous flux luminaire
169 lm

Beam Angle: 145°

h(m)	E(lx)	D(m)
1	24	6.28
2	6	12.56
3	3	18.84
4	1	25.11
5	1	31.39

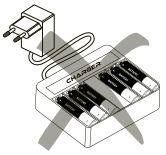
HOW TO ORDER GUSTAVE

Gustave Hospitality



Accessories

Battery Charger
(Not included)

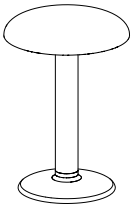


Battery Pack
(Not included)

Button Type

Flat Type

Gustave Residential



Battery Pack
(Included)

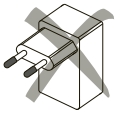
Accessories & Spare parts

Cable for Gustave Residetial
(Included)

White Cable

Black Cable

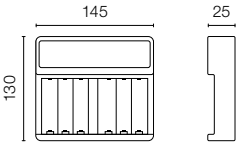
Adapter 5V. Min 2A
(Not included)



Zubehör (Hospitality) / Accessories (Hospitality)

Ladegerät Lithium-Akkus.
6 Badebuchten

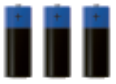
Lithium battery charger.
6 Charging Bays



Hospitality
EUR
60.9848
UK
08.0958.00
US
60.9952

Akkupack – Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE

Battery pack - Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE

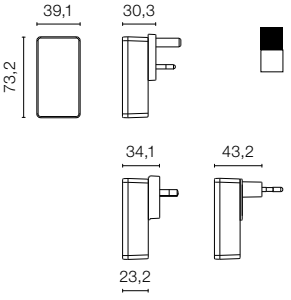


Hospitality
Pack x3
08.0745.00
Pack x6
08.0746.00
Pack x12
08.0747.00
Pack x24
08.0748.00

Zubehör (Residential) / Accessories (Residential)

Netzadapter 5V. Min 2A.
EUR / USA / UK

Adapter 5V. Min 2A.
EUR / USA / UK

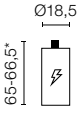


Residential
RF27576
RF25965

Ersatzteile (Residential) / Spare parts (Residential)

Akkupack – Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE

Battery pack - Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE



Residential
Pack x2
08.0744.00

Draht für Gustave Residetial
USB-A/USB-C. - L= 1,2m.

Cable for Gustave Residetial
USB-A/USB-C. - L= 1,2m.

Residential
08.0761.14
08.0761.30

* Strenger Dimensionsbereich / Strict dimensional range.

NEW

EMI

DESIGNED BY ERWAN BOUROULLEC

Beschreibung
Emi nach einem Design von Erwan Bouroullec verbindet verschiedene Lichtquellen mit hohem Sichtkomfort zu einem einzigartigen Spiel mit Licht und Schatten. Dieser spannende Kontrast ergibt sich durch Zusammenstellung eines matten monolithischen Körpers mit optischen Einheiten mit hohem Lichtstrom und einer unsichtbaren Lichtquelle.
Das Design der Kollektion entsteht durch die Zusammenstellung von drei Lichtmodulen in linearen und kompakten Formteilen, welche der Leuchte die dreieckige Form geben, die sich im gesamten Design widerspiegelt. Der Hauptteil, der Ständer und die Stative haben die gleiche Form, womit ein schlüssiger und ästhetisch ausgewogener Aufbau entsteht.
Emi besteht hauptsächlich aus Metallen: der Sockel der Leuchte ist aus Gusseisen, während Ständer und Hauptkorpus aus Aluminium bestehen. Der obere und der untere Abschnitt sind aus Polymeren gefertigt. In der gesamten Kollektion wurden erhebliche Anstrengungen unternommen, um die Oberflächen und Dicken zu minimieren und so den Materialeinsatz zu optimieren.
Die Kollektion Emi ist in drei Versionen erhältlich: als Decken-, Steh- und Tischleuchte. Mit dieser Auswahl eignet sich die Leuchte Emi für die Aufstellung in Wohnräumen und im *Hospitality*-Sektor.
Die Verwendung einer ähnlichen Designsprache in allen Modellen ermöglicht es, mehrere Leuchtkörper in einer Schwerpunktsetzung, Aneinanderreihung und Symmetrie im Raum zu verteilen. Das macht Emi zu einer architektonischen Beleuchtung, die aneinandergereiht werden kann und ein einheitliches Design bietet, das sich nahtlos in die bestehende Architektur einfügt.

Modelle und optisches System
Die Deckenversion von Emi ist in zwei Größen, schmaler oder breiter, und in verschiedenen Längen erhältlich. Sie hat einen linearen Aufbau mit einer vertikalen Röhre, die einen direkten Lichtstrahl erzeugt. Das Besondere an der Leuchte ist die Modulbauweise: Sie kann einzeln verwendet oder mit anderen Elementen zusammengestellt werden, sodass sich immer wieder neue, eindrucksvolle Lichtkompositionen ergeben, ohne die elegante Schlichtheit zu beeinträchtigen.
Die Stehversion von Emi scheint in der Luft zu schweben und wird so durch einen Stiel mit dem Sockel verbunden, dass die dreieckige Identität der Deckenversion erhalten bleibt. Das Licht des Modells ist bidirektional: das Licht im oberen Bereich beleuchtet den gesamten Raum ohne zu blenden, was der besonderen Form des Lichtstrahls zu verdanken ist. Im unteren Bereich ist das Licht weich und diffus, was sich gut mit anderen Lichtquellen wie Fernsehern.
Die Tischversion von Emi funktioniert ähnlich wie die Stehversion, hat jedoch geringere Abmessungen und fügt sich unauffällig in jede waagerechte Oberfläche ein.

Steuerungssysteme
Die Ceiling-Modelle sind mit den Steuerungsoptionen *Non Dimming*, *DALI*, *1-10V* und *Mains Dimming* erhältlich. Die Versionen *Floor* und *Table* können dagegen mit kapazitiven *Touch Dimming*-Sensoren eingestellt werden, die sich am oberen Ende des Hauptständers befinden.

Zusätzliche Informationen
Die fortschrittliche Technologie von Emi passt perfekt zu einem nachhaltigen Design. Der Lampenkörper besteht vornehmlich aus Aluminium (teilweise recycelt und vollständig recycelbar), was eine geringe Umweltbelastung gewährleistet.
Beständigkeit ist ein weiteres Merkmal des Designs von Emi. Das Produkt ist auf eine lange Funktionsdauer ausgelegt, um schnellen Verschleiß zu vermeiden. Jede Lichteinheit kann zur einfacheren Instandhaltung einzeln ausgetauscht werden, während das Fehlen von Klebstoffen und Lötstellen den Abbau und die ordnungsgemäße Entsorgung der einzelnen Bestandteile am Ende der Funktionsdauer erleichtert.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Emi, designed by Erwan Bouroullec, combines different light sources with a high level of visual comfort to create a unique experience of light and shadow. This intriguing contrast is created by combining a matt, monolithic body with lens units featuring a high luminous flux and with an invisible source.
The design of this collection comes from grouping together three light modules inside compact, linear extrusions that give the lamp a triangular shape which is reflected all throughout its design. The main section, the pole and the stands share this shape, creating a cohesive and aesthetically balanced structure.
Emi is mainly made from metal: the base of the lamp is cast iron, while the pole and main body are aluminium. The upper and lower sections are made with polymers. Considerable effort has been made to minimise the surfaces and thicknesses all throughout the collection in order to optimise the use of materials.
The Emi collection is available in three versions: ceiling, floor and table. This variety helps adapt the light of Emi to spaces both at home and in hospitality.
The repeated use of a similar style in all the models lets you position multiple luminaires with the same style, which can be arranged in a space through repetition, alignment and symmetry. This makes Emi a new type of architectural light that can be used as a series, providing a uniform design that fits in perfectly with the surrounding architecture.

Lens system and models
The ceiling version of Emi is available in two sizes, one thinner and one wider, and in different lengths. It has a linear structure formed of a vertical tube that generates a direct beam of light. What makes it special is its modular options: it can be used individually or by combining different elements, therefore creating ever different and spectacular combinations of light, while maintaining its elegant simplicity.
The floor version of EMI seems to float on air, made lighter by a rod that connects it to the base, while maintaining the triangular identity that characterises the ceiling version. This model has two-way lighting: in the upper part, the light is powerful enough to light up a whole space without any glare, thanks to the special shape of the beam of light. In the lower part, the light is soft and diffused, which is perfect for combining with other sources of light such as a television.
The table version of Emi works in a similar way to the floor version, but it is a smaller size, adapting perfectly and discreetly to any horizontal surface.

Control Systems
The Ceiling models are available with the following setting options *Non Dimming*, *DALI*, *1-10V* and *Mains Dimming*. While the *Floor* and *Table* versions can be adjusted with *Touch Dimming* capacitive sensors in the top part of the central rod.

Additional Information
The advanced technology of Emi goes perfectly with its sustainable design. The lamp's body is mainly made from aluminium (partially recycled and completely recycled), guaranteeing a lower environmental impact.
Durability is another key part of Emi's design. The product is designed to stand the test of time with the goal of avoiding waste and rapid obsolescence. Every lens unit can be replaced individually to make maintenance easier, while the absence of glues and welding simplifies the disassembly and correct disposal of individual parts at the useful end of the product's life.
Mains Dimming Products – Please read *Mains Dimming* disclaimer in drivers chapter.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
Luminaire conforms to European Technical Standard EN60598-1 and secondary parts.

NEW

EMI

DESIGNED BY ERWAN BOUROULLEC

NEW

EMI CEILING
LARGE
H240

EMI CEILING
LARGE
H340

EMI CEILING
LARGE
H540

LIGHT SOURCE
LED ARRAY
28W
2289 lm
2700K/CRI 90
2303 lm
3000K/CRI 90

EMI CEILING
SMALL
H240

EMI CEILING
SMALL
H340

EMI CEILING
SMALL
H540

LIGHT SOURCE
POWER LED
11W
751 lm
2700K/CRI 90
772 lm
3000K/CRI 90

LIGHT SOURCE
POWER LED
Mains Dimming
8,5W
607 lm
2700K/CRI 90
631 lm
3000K/CRI 90

NEW

EMI

DESIGNED BY ERWAN BOUROULLEC

EMI
TABLE

LIGHT SOURCE
UP
LED ARRAY
28W
3087 lm
2700K/CRI 90
3111 lm
3000K/CRI 90

DOWN
POWER LED
13W
1087 lm
2700K/CRI 90
1161 lm
3000K/CRI 90

EMI
FLOOR

LIGHT SOURCE
UP
LED ARRAY
38,5W
3714 lm
2700K/CRI 90
3741 lm
3000K/CRI 90

DOWN
POWER LED
13W
1087 lm
2700K/CRI 90
1161 lm
3000K/CRI 90

NEW

Emi Ceiling

OW Off White | OW.XX All Off White | RY Deep Red | GY Deep Green | ZY Deep Blue

Emi Table

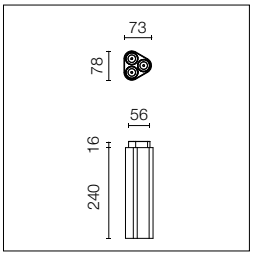
OW Off White | OW.XX All Off White | RY Deep Red | GY Deep Green | ZY Deep Blue

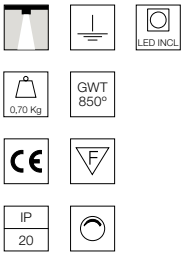
Emi Floor

OW Off White | OW.XX All Off White | RY Deep Red | GY Deep Green | ZY Deep Blue

Emi Ceiling Small H240

Power LED 900 mA - 11W - 751 lm - 2700K/CRI 90 / 772 lm - 3000K/CRI 90
Power LED Mains Dimming 700 mA - 8,5W - 607 lm - 2700K/CRI 90 / 631 lm - 3000K/CRI 90





Blendarme Leuchte für die Installation an Oberflächen. Mit Stromquelle 220-240 V. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Die verschiedenen Linsenoptionen (je nach Abstrahlwinkel) sind austauschbar.

Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Optic Spot
2700K

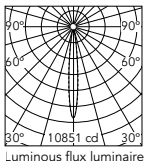
Non Dimming
- 05.4300.OW
- 05.4300.OW.78
- 05.4300.RY
- 05.4300.GY
- 05.4300.ZY

DALI 2
- 05.4300.OW.DA
- 05.4300.OW.YU
- 05.4300.RY.DA
- 05.4300.GY.DA
- 05.4300.ZY.DA

1-10V
- 05.4300.OW.1V
- 05.4300.OW.RX
- 05.4300.RY.1V
- 05.4300.GY.1V
- 05.4300.ZY.1V

Mains Dimming
- 05.4300.OW.NI
- 05.4300.OW.CN
- 05.4300.RY.NI
- 05.4300.GY.NI
- 05.4300.ZY.NI

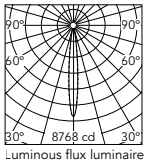
11° SPOT



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	10851 0.20
2	2713 0.39
3	1206 0.59
4	678 0.78
5	434 0.98

11° SPOT



Luminous flux luminaire
507 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	8768 0.20
2	2192 0.39
3	974 0.59
4	548 0.78
5	351 0.98

Optic Medium
2700K

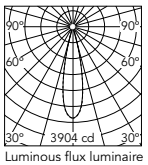
Non Dimming
- 05.4301.OW
- 05.4301.OW.78
- 05.4301.RY
- 05.4301.GY
- 05.4301.ZY

DALI 2
- 05.4301.OW.DA
- 05.4301.OW.YU
- 05.4301.RY.DA
- 05.4301.GY.DA
- 05.4301.ZY.DA

1-10V
- 05.4301.OW.1V
- 05.4301.OW.RX
- 05.4301.RY.1V
- 05.4301.GY.1V
- 05.4301.ZY.1V

Mains Dimming
- 05.4301.OW.NI
- 05.4301.OW.CN
- 05.4301.RY.NI
- 05.4301.GY.NI
- 05.4301.ZY.NI

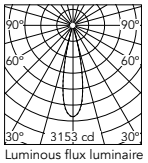
23° MEDIUM



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3904 0.40
2	976 0.81
3	434 1.21
4	244 1.62
5	156 2.02

23° MEDIUM



Luminous flux luminaire
493 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3153 0.40
2	788 0.81
3	350 1.21
4	197 1.62
5	126 2.02

3000K

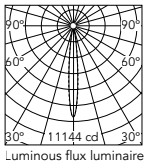
Non Dimming
- 05.4305.OW
- 05.4305.OW.78
- 05.4305.RY
- 05.4305.GY
- 05.4305.ZY

DALI 2
- 05.4305.OW.DA
- 05.4305.OW.YU
- 05.4305.RY.DA
- 05.4305.GY.DA
- 05.4305.ZY.DA

1-10V
- 05.4305.OW.1V
- 05.4305.OW.RX
- 05.4305.RY.1V
- 05.4305.GY.1V
- 05.4305.ZY.1V

Mains Dimming
- 05.4305.OW.NI
- 05.4305.OW.CN
- 05.4305.RY.NI
- 05.4305.GY.NI
- 05.4305.ZY.NI

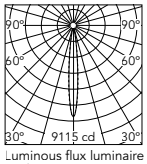
11° SPOT



Luminous flux luminaire
645 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	11144 0.20
2	2786 0.39
3	1238 0.59
4	697 0.78
5	446 0.98

11° SPOT



Luminous flux luminaire
528 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	9115 0.20
2	2279 0.39
3	1013 0.59
4	570 0.78
5	365 0.98

3000K

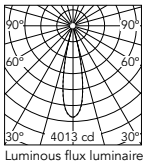
Non Dimming
- 05.4306.OW
- 05.4306.OW.78
- 05.4306.RY
- 05.4306.GY
- 05.4306.ZY

DALI 2
- 05.4306.OW.DA
- 05.4306.OW.YU
- 05.4306.RY.DA
- 05.4306.GY.DA
- 05.4306.ZY.DA

1-10V
- 05.4306.OW.1V
- 05.4306.OW.RX
- 05.4306.RY.1V
- 05.4306.GY.1V
- 05.4306.ZY.1V

Mains Dimming
- 05.4306.OW.NI
- 05.4306.OW.CN
- 05.4306.RY.NI
- 05.4306.GY.NI
- 05.4306.ZY.NI

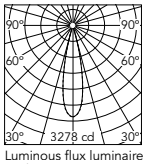
23° MEDIUM



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	4013 0.40
2	1003 0.81
3	446 1.21
4	251 1.62
5	161 2.02

23° MEDIUM



Luminous flux luminaire
513 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3278 0.40
2	820 0.81
3	364 1.21
4	205 1.62
5	131 2.02

NEW

Optic Flood
2700K

Non Dimming

- 05.4302.OW
- 05.4302.OW.78
- 05.4302.RY
- 05.4302.GY
- 05.4302.ZY

DALI 2

- 05.4302.OW.DA
- 05.4302.OW.YU
- 05.4302.RY.DA
- 05.4302.GY.DA
- 05.4302.ZY.DA

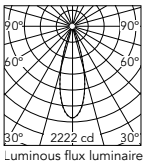
1-10V

- 05.4302.OW.1V
- 05.4302.OW.RX
- 05.4302.RY.1V
- 05.4302.GY.1V
- 05.4302.ZY.1V

Mains Dimming

- 05.4302.OW.NI
- 05.4302.OW.CN
- 05.4302.RY.NI
- 05.4302.GY.NI
- 05.4302.ZY.NI

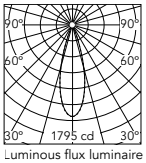
30° FLOOD



Luminous flux luminaire
595 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2223 0.54
2	556 1.07
3	247 1.61
4	139 2.14
5	89 2.68

30° FLOOD



Luminous flux luminaire
481 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1796 0.54
2	449 1.07
3	200 1.61
4	112 2.14
5	72 2.68

Optic Wide Flood
2700K

Non Dimming

- 05.4303.OW
- 05.4303.OW.78
- 05.4303.RY
- 05.4303.GY
- 05.4303.ZY

DALI 2

- 05.4303.OW.DA
- 05.4303.OW.YU
- 05.4303.RY.DA
- 05.4303.GY.DA
- 05.4303.ZY.DA

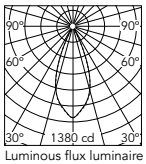
1-10V

- 05.4303.OW.1V
- 05.4303.OW.RX
- 05.4303.RY.1V
- 05.4303.GY.1V
- 05.4303.ZY.1V

Mains Dimming

- 05.4303.OW.NI
- 05.4303.OW.CN
- 05.4303.RY.NI
- 05.4303.GY.NI
- 05.4303.ZY.NI

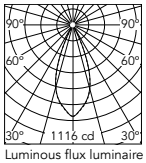
41° WIDE FLOOD



Luminous flux luminaire
590 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1380 0.75
2	345 1.49
3	153 2.24
4	86 2.98
5	55 3.73

41° WIDE FLOOD



Luminous flux luminaire
477 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1116 0.75
2	279 1.49
3	124 2.24
4	70 2.98
5	45 3.73

3000K

Non Dimming

- 05.4307.OW
- 05.4307.OW.78
- 05.4307.RY
- 05.4307.GY
- 05.4307.ZY

DALI 2

- 05.4307.OW.DA
- 05.4307.OW.YU
- 05.4307.RY.DA
- 05.4307.GY.DA
- 05.4307.ZY.DA

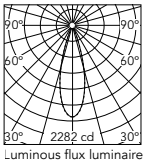
1-10V

- 05.4307.OW.1V
- 05.4307.OW.RX
- 05.4307.RY.1V
- 05.4307.GY.1V
- 05.4307.ZY.1V

Mains Dimming

- 05.4307.OW.NI
- 05.4307.OW.CN
- 05.4307.RY.NI
- 05.4307.GY.NI
- 05.4307.ZY.NI

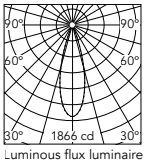
30° FLOOD



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2282 0.54
2	571 1.07
3	254 1.61
4	143 2.14
5	91 2.68

30° FLOOD



Luminous flux luminaire
500 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1867 0.54
2	467 1.07
3	207 1.61
4	117 2.14
5	75 2.68

3000K

Non Dimming

- 05.4308.OW
- 05.4308.OW.78
- 05.4308.RY
- 05.4308.GY
- 05.4308.ZY

DALI 2

- 05.4308.OW.DA
- 05.4308.OW.YU
- 05.4308.RY.DA
- 05.4308.GY.DA
- 05.4308.ZY.DA

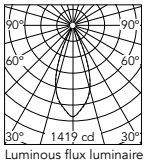
1-10V

- 05.4308.OW.1V
- 05.4308.OW.RX
- 05.4308.RY.1V
- 05.4308.GY.1V
- 05.4308.ZY.1V

Mains Dimming

- 05.4308.OW.NI
- 05.4308.OW.CN
- 05.4308.RY.NI
- 05.4308.GY.NI
- 05.4308.ZY.NI

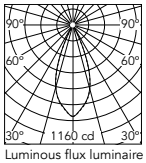
41° WIDE FLOOD



Luminous flux luminaire
607 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1419 0.75
2	355 1.49
3	158 2.24
4	89 2.98
5	57 3.73

41° WIDE FLOOD

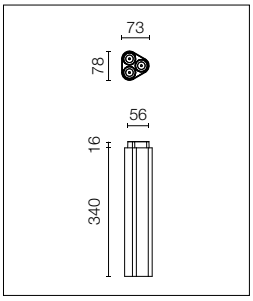


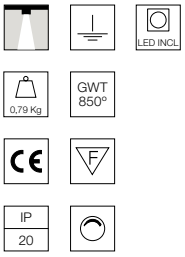
Luminous flux luminaire
496 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1160 0.75
2	290 1.49
3	129 2.24
4	72 2.98
5	46 3.73

Emi Ceiling Small H340

Power LED 900 mA - 11W - 751 lm - 2700K/CRI 90 / 772 lm - 3000K/CRI 90
Power LED Mains Dimming 700 mA - 8,5W - 607 lm - 2700K/CRI 90 / 631 lm - 3000K/CRI 90





Blendarme Leuchte für die Installation an Oberflächen. Mit Stromquelle 220-240 V. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Die verschiedenen Linsenoptionen (je nach Abstrahlwinkel) sind austauschbar.

Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Optic Spot
2700K

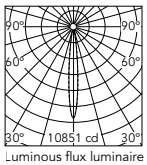
Non Dimming
- 05.4310.OW
- 05.4310.OW.78
- 05.4310.RY
- 05.4310.GY
- 05.4310.ZY

DALI 2
- 05.4310.OW.DA
- 05.4310.OW.YU
- 05.4310.RY.DA
- 05.4310.GY.DA
- 05.4310.ZY.DA

1-10V
- 05.4310.OW.1V
- 05.4310.OW.RX
- 05.4310.RY.1V
- 05.4310.GY.1V
- 05.4310.ZY.1V

Mains Dimming
- 05.4310.OW.NI
- 05.4310.OW.CN
- 05.4310.RY.NI
- 05.4310.GY.NI
- 05.4310.ZY.NI

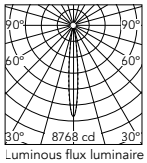
11° SPOT



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	10851 0.20
2	2713 0.39
3	1206 0.59
4	678 0.78
5	434 0.98

11° SPOT



Luminous flux luminaire
507 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	8768 0.20
2	2192 0.39
3	974 0.59
4	548 0.78
5	351 0.98

Optic Medium
2700K

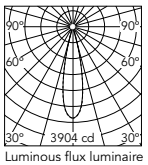
Non Dimming
- 05.4311.OW
- 05.4311.OW.78
- 05.4311.RY
- 05.4311.GY
- 05.4311.ZY

DALI 2
- 05.4311.OW.DA
- 05.4311.OW.YU
- 05.4311.RY.DA
- 05.4311.GY.DA
- 05.4311.ZY.DA

1-10V
- 05.4311.OW.1V
- 05.4311.OW.RX
- 05.4311.RY.1V
- 05.4311.GY.1V
- 05.4311.ZY.1V

Mains Dimming
- 05.4311.OW.NI
- 05.4311.OW.CN
- 05.4311.RY.NI
- 05.4311.GY.NI
- 05.4311.ZY.NI

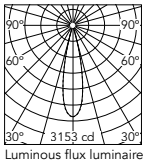
23° MEDIUM



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3904 0.40
2	976 0.81
3	434 1.21
4	244 1.62
5	156 2.02

23° MEDIUM



Luminous flux luminaire
493 lm **700 mA**

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3153 0.40
2	788 0.81
3	350 1.21
4	197 1.62
5	126 2.02

3000K

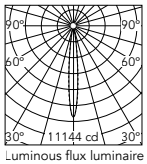
Non Dimming
- 05.4315.OW
- 05.4315.OW.78
- 05.4315.RY
- 05.4315.GY
- 05.4315.ZY

DALI 2
- 05.4315.OW.DA
- 05.4315.OW.YU
- 05.4315.RY.DA
- 05.4315.GY.DA
- 05.4315.ZY.DA

1-10V
- 05.4315.OW.1V
- 05.4315.OW.RX
- 05.4315.RY.1V
- 05.4315.GY.1V
- 05.4315.ZY.1V

Mains Dimming
- 05.4315.OW.NI
- 05.4315.OW.CN
- 05.4315.RY.NI
- 05.4315.GY.NI
- 05.4315.ZY.NI

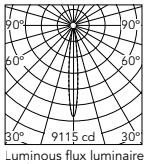
11° SPOT



Luminous flux luminaire
645 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	11144 0.20
2	2786 0.39
3	1238 0.59
4	697 0.78
5	446 0.98

11° SPOT



Luminous flux luminaire
528 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	9115 0.20
2	2279 0.39
3	1013 0.59
4	570 0.78
5	365 0.98

3000K

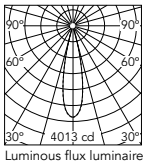
Non Dimming
- 05.4316.OW
- 05.4316.OW.78
- 05.4316.RY
- 05.4316.GY
- 05.4316.ZY

DALI 2
- 05.4316.OW.DA
- 05.4316.OW.YU
- 05.4316.RY.DA
- 05.4316.GY.DA
- 05.4316.ZY.DA

1-10V
- 05.4316.OW.1V
- 05.4316.OW.RX
- 05.4316.RY.1V
- 05.4316.GY.1V
- 05.4316.ZY.1V

Mains Dimming
- 05.4316.OW.NI
- 05.4316.OW.CN
- 05.4316.RY.NI
- 05.4316.GY.NI
- 05.4316.ZY.NI

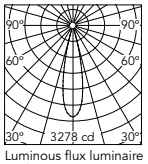
23° MEDIUM



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	4013 0.40
2	1003 0.81
3	446 1.21
4	251 1.62
5	161 2.02

23° MEDIUM



Luminous flux luminaire
513 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3278 0.40
2	820 0.81
3	364 1.21
4	205 1.62
5	131 2.02

NEW

Optic Flood
2700K

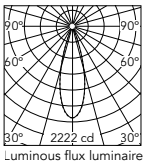
Non Dimming
- 05.4312.OW
- 05.4312.OW.78
- 05.4312.RY
- 05.4312.GY
- 05.4312.ZY

DALI 2
- 05.4312.OW.DA
- 05.4312.OW.YU
- 05.4312.RY.DA
- 05.4312.GY.DA
- 05.4312.ZY.DA

1-10V
- 05.4312.OW.1V
- 05.4312.OW.RX
- 05.4312.RY.1V
- 05.4312.GY.1V
- 05.4312.ZY.1V

Mains Dimming
- 05.4312.OW.NI
- 05.4312.OW.CN
- 05.4312.RY.NI
- 05.4312.GY.NI
- 05.4312.ZY.NI

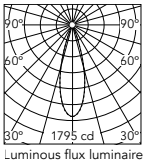
30° FLOOD



Luminous flux luminaire
595 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2223 0.54
2	556 1.07
3	247 1.61
4	139 2.14
5	89 2.68

30° FLOOD



Luminous flux luminaire
481 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1796 0.54
2	449 1.07
3	200 1.61
4	112 2.14
5	72 2.68

Optic Wide Flood
2700K

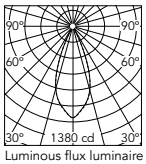
Non Dimming
- 05.4313.OW
- 05.4313.OW.78
- 05.4313.RY
- 05.4313.GY
- 05.4313.ZY

DALI 2
- 05.4313.OW.DA
- 05.4313.OW.YU
- 05.4313.RY.DA
- 05.4313.GY.DA
- 05.4313.ZY.DA

1-10V
- 05.4313.OW.1V
- 05.4313.OW.RX
- 05.4313.RY.1V
- 05.4313.GY.1V
- 05.4313.ZY.1V

Mains Dimming
- 05.4313.OW.NI
- 05.4313.OW.CN
- 05.4313.RY.NI
- 05.4313.GY.NI
- 05.4313.ZY.NI

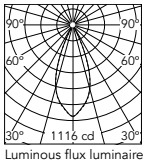
41° WIDE FLOOD



Luminous flux luminaire
590 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1380 0.75
2	345 1.49
3	153 2.24
4	86 2.98
5	55 3.73

41° WIDE FLOOD



Luminous flux luminaire
477 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1116 0.75
2	279 1.49
3	124 2.24
4	70 2.98
5	45 3.73

3000K

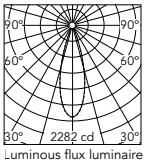
Non Dimming
- 05.4317.OW
- 05.4317.OW.78
- 05.4317.RY
- 05.4317.GY
- 05.4317.ZY

DALI 2
- 05.4317.OW.DA
- 05.4317.OW.YU
- 05.4317.RY.DA
- 05.4317.GY.DA
- 05.4317.ZY.DA

1-10V
- 05.4317.OW.1V
- 05.4317.OW.RX
- 05.4317.RY.1V
- 05.4317.GY.1V
- 05.4317.ZY.1V

Mains Dimming
- 05.4317.OW.NI
- 05.4317.OW.CN
- 05.4317.RY.NI
- 05.4317.GY.NI
- 05.4317.ZY.NI

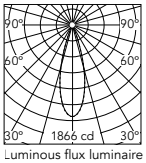
30° FLOOD



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2282 0.54
2	571 1.07
3	254 1.61
4	143 2.14
5	91 2.68

30° FLOOD



Luminous flux luminaire
500 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1867 0.54
2	467 1.07
3	207 1.61
4	117 2.14
5	75 2.68

3000K

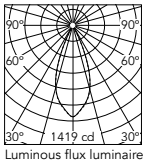
Non Dimming
- 05.4318.OW
- 05.4318.OW.78
- 05.4318.RY
- 05.4318.GY
- 05.4318.ZY

DALI 2
- 05.4318.OW.DA
- 05.4318.OW.YU
- 05.4318.RY.DA
- 05.4318.GY.DA
- 05.4318.ZY.DA

1-10V
- 05.4318.OW.1V
- 05.4318.OW.RX
- 05.4318.RY.1V
- 05.4318.GY.1V
- 05.4318.ZY.1V

Mains Dimming
- 05.4318.OW.NI
- 05.4318.OW.CN
- 05.4318.RY.NI
- 05.4318.GY.NI
- 05.4318.ZY.NI

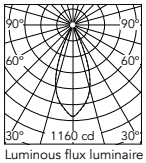
41° WIDE FLOOD



Luminous flux luminaire
607 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1419 0.75
2	355 1.49
3	158 2.24
4	89 2.98
5	57 3.73

41° WIDE FLOOD

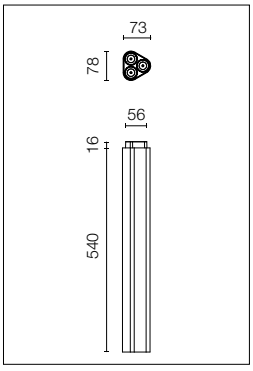


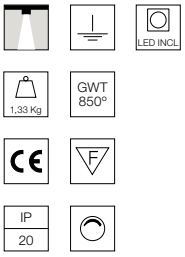
Luminous flux luminaire
496 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1160 0.75
2	290 1.49
3	129 2.24
4	72 2.98
5	46 3.73

Emi Ceiling Small H540

Power LED 900 mA - 11W - 751 lm - 2700K/CRI 90 / 772 lm - 3000K/CRI 90
Power LED Mains Dimming 700 mA - 8,5W - 607 lm - 2700K/CRI 90 / 631 lm - 3000K/CRI 90





Blendarme Leuchte für die Installation an Oberflächen. Mit Stromquelle 220-240 V. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Die verschiedenen Linsenoptionen (je nach Abstrahlwinkel) sind austauschbar.

Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Optic Spot
2700K

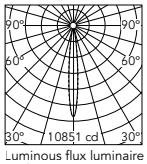
Non Dimming
- 05.4320.OW
- 05.4320.OW.78
- 05.4320.RY
- 05.4320.GY
- 05.4320.ZY

DALI 2
- 05.4320.OW.DA
- 05.4320.OW.YU
- 05.4320.RY.DA
- 05.4320.GY.DA
- 05.4320.ZY.DA

1-10V
- 05.4320.OW.1V
- 05.4320.OW.RX
- 05.4320.RY.1V
- 05.4320.GY.1V
- 05.4320.ZY.1V

Mains Dimming
- 05.4320.OW.NI
- 05.4320.OW.CN
- 05.4320.RY.NI
- 05.4320.GY.NI
- 05.4320.ZY.NI

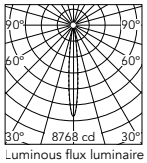
11° SPOT



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	10851 0.20
2	2713 0.39
3	1206 0.59
4	678 0.78
5	434 0.98

11° SPOT



Luminous flux luminaire
507 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	8768 0.20
2	2192 0.39
3	974 0.59
4	548 0.78
5	351 0.98

Optic Medium
2700K

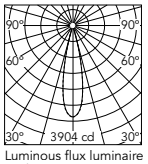
Non Dimming
- 05.4321.OW
- 05.4321.OW.78
- 05.4321.RY
- 05.4321.GY
- 05.4321.ZY

DALI 2
- 05.4321.OW.DA
- 05.4321.OW.YU
- 05.4321.RY.DA
- 05.4321.GY.DA
- 05.4321.ZY.DA

1-10V
- 05.4321.OW.1V
- 05.4321.OW.RX
- 05.4321.RY.1V
- 05.4321.GY.1V
- 05.4321.ZY.1V

Mains Dimming
- 05.4321.OW.NI
- 05.4321.OW.CN
- 05.4321.RY.NI
- 05.4321.GY.NI
- 05.4321.ZY.NI

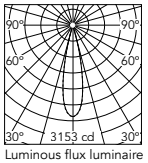
23° MEDIUM



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3904 0.40
2	976 0.81
3	434 1.21
4	244 1.62
5	156 2.02

23° MEDIUM



Luminous flux luminaire
493 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3153 0.40
2	788 0.81
3	350 1.21
4	197 1.62
5	126 2.02

3000K

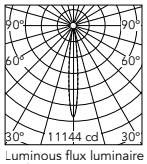
Non Dimming
- 05.4325.OW
- 05.4325.OW.78
- 05.4325.RY
- 05.4325.GY
- 05.4325.ZY

DALI 2
- 05.4325.OW.DA
- 05.4325.OW.YU
- 05.4325.RY.DA
- 05.4325.GY.DA
- 05.4325.ZY.DA

1-10V
- 05.4325.OW.1V
- 05.4325.OW.RX
- 05.4325.RY.1V
- 05.4325.GY.1V
- 05.4325.ZY.1V

Mains Dimming
- 05.4325.OW.NI
- 05.4325.OW.CN
- 05.4325.RY.NI
- 05.4325.GY.NI
- 05.4325.ZY.NI

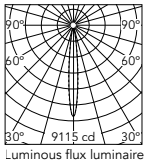
11° SPOT



Luminous flux luminaire
645 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	11144 0.20
2	2786 0.39
3	1238 0.59
4	697 0.78
5	446 0.98

11° SPOT



Luminous flux luminaire
528 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	9115 0.20
2	2279 0.39
3	1013 0.59
4	570 0.78
5	365 0.98

3000K

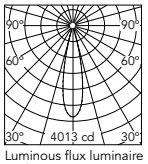
Non Dimming
- 05.4326.OW
- 05.4326.OW.78
- 05.4326.RY
- 05.4326.GY
- 05.4326.ZY

DALI 2
- 05.4326.OW.DA
- 05.4326.OW.YU
- 05.4326.RY.DA
- 05.4326.GY.DA
- 05.4326.ZY.DA

1-10V
- 05.4326.OW.1V
- 05.4326.OW.RX
- 05.4326.RY.1V
- 05.4326.GY.1V
- 05.4326.ZY.1V

Mains Dimming
- 05.4326.OW.NI
- 05.4326.OW.CN
- 05.4326.RY.NI
- 05.4326.GY.NI
- 05.4326.ZY.NI

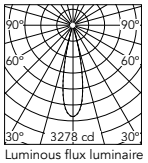
23° MEDIUM



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	4013 0.40
2	1003 0.81
3	446 1.21
4	251 1.62
5	161 2.02

23° MEDIUM



Luminous flux luminaire
513 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3278 0.40
2	820 0.81
3	364 1.21
4	205 1.62
5	131 2.02

NEW

Optic Flood
2700K

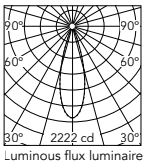
Non Dimming
- 05.4322.OW
- 05.4322.OW.78
- 05.4322.RY
- 05.4322.GY
- 05.4322.ZY

DALI 2
- 05.4322.OW.DA
- 05.4322.OW.YU
- 05.4322.RY.DA
- 05.4322.GY.DA
- 05.4322.ZY.DA

1-10V
- 05.4322.OW.1V
- 05.4322.OW.RX
- 05.4322.RY.1V
- 05.4322.GY.1V
- 05.4322.ZY.1V

Mains Dimming
- 05.4322.OW.NI
- 05.4322.OW.CN
- 05.4322.RY.NI
- 05.4322.GY.NI
- 05.4322.ZY.NI

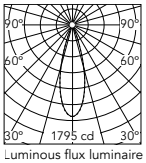
30° FLOOD



Luminous flux luminaire
595 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2223 0.54
2	556 1.07
3	247 1.61
4	139 2.14
5	89 2.68

30° FLOOD



Luminous flux luminaire
481 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1796 0.54
2	449 1.07
3	200 1.61
4	112 2.14
5	72 2.68

Optic Wide Flood
2700K

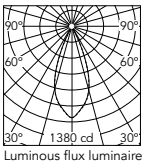
Non Dimming
- 05.4323.OW
- 05.4323.OW.78
- 05.4323.RY
- 05.4323.GY
- 05.4323.ZY

DALI 2
- 05.4323.OW.DA
- 05.4323.OW.YU
- 05.4323.RY.DA
- 05.4323.GY.DA
- 05.4323.ZY.DA

1-10V
- 05.4323.OW.1V
- 05.4323.OW.RX
- 05.4323.RY.1V
- 05.4323.GY.1V
- 05.4323.ZY.1V

Mains Dimming
- 05.4323.OW.NI
- 05.4323.OW.CN
- 05.4323.RY.NI
- 05.4323.GY.NI
- 05.4323.ZY.NI

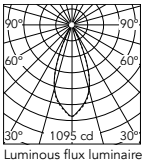
41° WIDE FLOOD



Luminous flux luminaire
590 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1380 0.75
2	345 1.49
3	153 2.24
4	86 2.98
5	55 3.73

42° WIDE FLOOD



Luminous flux luminaire
493 lm 700 mA

Beam Angle:	42°
h(m)	E(lx) D(m)
1	1095 0.76
2	274 1.52
3	122 2.28
4	68 3.04
5	44 3.80

3000K

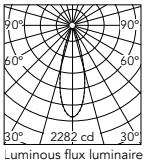
Non Dimming
- 05.4327.OW
- 05.4327.OW.78
- 05.4327.RY
- 05.4327.GY
- 05.4327.ZY

DALI 2
- 05.4327.OW.DA
- 05.4327.OW.YU
- 05.4327.RY.DA
- 05.4327.GY.DA
- 05.4327.ZY.DA

1-10V
- 05.4327.OW.1V
- 05.4327.OW.RX
- 05.4327.RY.1V
- 05.4327.GY.1V
- 05.4327.ZY.1V

Mains Dimming
- 05.4327.OW.NI
- 05.4327.OW.CN
- 05.4327.RY.NI
- 05.4327.GY.NI
- 05.4327.ZY.NI

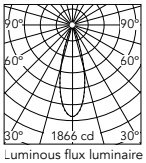
30° FLOOD



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2282 0.54
2	571 1.07
3	254 1.61
4	143 2.14
5	91 2.68

30° FLOOD



Luminous flux luminaire
500 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1867 0.54
2	467 1.07
3	207 1.61
4	117 2.14
5	75 2.68

3000K

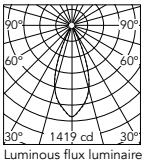
Non Dimming
- 05.4328.OW
- 05.4328.OW.78
- 05.4328.RY
- 05.4328.GY
- 05.4328.ZY

DALI 2
- 05.4328.OW.DA
- 05.4328.OW.YU
- 05.4328.RY.DA
- 05.4328.GY.DA
- 05.4328.ZY.DA

1-10V
- 05.4328.OW.1V
- 05.4328.OW.RX
- 05.4328.RY.1V
- 05.4328.GY.1V
- 05.4328.ZY.1V

Mains Dimming
- 05.4328.OW.NI
- 05.4328.OW.CN
- 05.4328.RY.NI
- 05.4328.GY.NI
- 05.4328.ZY.NI

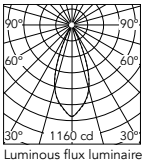
41° WIDE FLOOD



Luminous flux luminaire
607 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1419 0.75
2	355 1.49
3	158 2.24
4	89 2.98
5	57 3.73

41° WIDE FLOOD

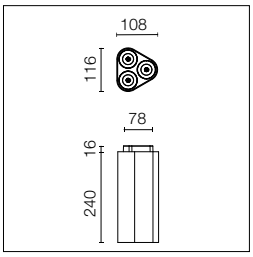


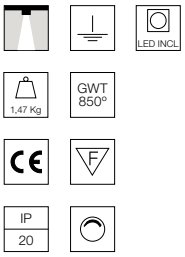
Luminous flux luminaire
496 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1160 0.75
2	290 1.49
3	129 2.24
4	72 2.98
5	46 3.73

Emi Ceiling Large H240

LED Array - 28W - 2289 lm - 2700K/CRI 90 / 2303 lm - 3000K/CRI 90





Blendarme Leuchte für die Installation an Oberflächen. Mit Stromquelle 220-240 V. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Die verschiedenen Linsenoptionen (je nach Abstrahlwinkel) sind austauschbar.

Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

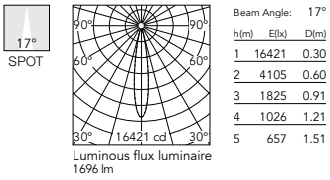
Optic Spot
2700K

Non Dimming
- 05.4330.OW
- 05.4330.OW.78
- 05.4330.RY
- 05.4330.GY
- 05.4330.ZY

DALI 2
- 05.4330.OW.DA
- 05.4330.OW.YU
- 05.4330.RY.DA
- 05.4330.GY.DA
- 05.4330.ZY.DA

1-10V
- 05.4330.OW.1V
- 05.4330.OW.RX
- 05.4330.RY.1V
- 05.4330.GY.1V
- 05.4330.ZY.1V

Mains Dimming
- 05.4330.OW.NI
- 05.4330.OW.CN
- 05.4330.RY.NI
- 05.4330.GY.NI
- 05.4330.ZY.NI



Luminous flux luminaire
1696 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16421	0.30
2	4105	0.60
3	1825	0.91
4	1026	1.21
5	657	1.51

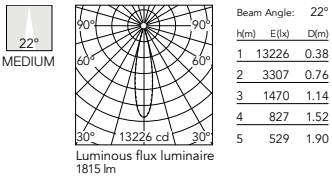
Optic Medium
2700K

Non Dimming
- 05.4331.OW
- 05.4331.OW.78
- 05.4331.RY
- 05.4331.GY
- 05.4331.ZY

DALI 2
- 05.4331.OW.DA
- 05.4331.OW.YU
- 05.4331.RY.DA
- 05.4331.GY.DA
- 05.4331.ZY.DA

1-10V
- 05.4331.OW.1V
- 05.4331.OW.RX
- 05.4331.RY.1V
- 05.4331.GY.1V
- 05.4331.ZY.1V

Mains Dimming
- 05.4331.OW.NI
- 05.4331.OW.CN
- 05.4331.RY.NI
- 05.4331.GY.NI
- 05.4331.ZY.NI



Luminous flux luminaire
1815 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13226	0.38
2	3307	0.76
3	1470	1.14
4	827	1.52
5	529	1.90

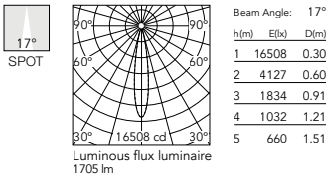
3000K

Non Dimming
- 05.4335.OW
- 05.4335.OW.78
- 05.4335.RY
- 05.4335.GY
- 05.4335.ZY

DALI 2
- 05.4335.OW.DA
- 05.4335.OW.YU
- 05.4335.RY.DA
- 05.4335.GY.DA
- 05.4335.ZY.DA

1-10V
- 05.4335.OW.1V
- 05.4335.OW.RX
- 05.4335.RY.1V
- 05.4335.GY.1V
- 05.4335.ZY.1V

Mains Dimming
- 05.4335.OW.NI
- 05.4335.OW.CN
- 05.4335.RY.NI
- 05.4335.GY.NI
- 05.4335.ZY.NI



Luminous flux luminaire
1705 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16508	0.30
2	4127	0.60
3	1834	0.91
4	1032	1.21
5	660	1.51

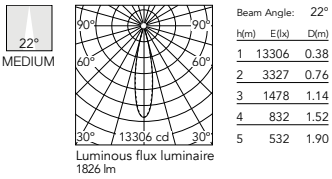
3000K

Non Dimming
- 05.4336.OW
- 05.4336.OW.78
- 05.4336.RY
- 05.4336.GY
- 05.4336.ZY

DALI 2
- 05.4336.OW.DA
- 05.4336.OW.YU
- 05.4336.RY.DA
- 05.4336.GY.DA
- 05.4336.ZY.DA

1-10V
- 05.4336.OW.1V
- 05.4336.OW.RX
- 05.4336.RY.1V
- 05.4336.GY.1V
- 05.4336.ZY.1V

Mains Dimming
- 05.4336.OW.NI
- 05.4336.OW.CN
- 05.4336.RY.NI
- 05.4336.GY.NI
- 05.4336.ZY.NI



Luminous flux luminaire
1826 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13306	0.38
2	3327	0.76
3	1478	1.14
4	832	1.52
5	532	1.90

NEW

Optic Flood
2700K

Non Dimming

- 05.4332.OW
- 05.4332.OW.78
- 05.4332.RY
- 05.4332.GY
- 05.4332.ZY

DALI 2

- 05.4332.OW.DA
- 05.4332.OW.YU
- 05.4332.RY.DA
- 05.4332.GY.DA
- 05.4332.ZY.DA

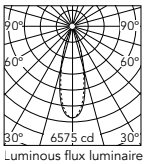
1-10V

- 05.4332.OW.1V
- 05.4332.OW.RX
- 05.4332.RY.1V
- 05.4332.GY.1V
- 05.4332.ZY.1V

Mains Dimming

- 05.4332.OW.NI
- 05.4332.OW.CN
- 05.4332.RY.NI
- 05.4332.GY.NI
- 05.4332.ZY.NI

FLOOD



Luminous flux luminaire
1801 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	6575	0.54
2	1644	1.08
3	731	1.62
4	411	2.16
5	263	2.70

3000K

Non Dimming

- 05.4337.OW
- 05.4337.OW.78
- 05.4337.RY
- 05.4337.GY
- 05.4337.ZY

DALI 2

- 05.4337.OW.DA
- 05.4337.OW.YU
- 05.4337.RY.DA
- 05.4337.GY.DA
- 05.4337.ZY.DA

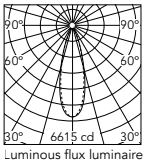
1-10V

- 05.4337.OW.1V
- 05.4337.OW.RX
- 05.4337.RY.1V
- 05.4337.GY.1V
- 05.4337.ZY.1V

Mains Dimming

- 05.4337.OW.NI
- 05.4337.OW.CN
- 05.4337.RY.NI
- 05.4337.GY.NI
- 05.4337.ZY.NI

FLOOD



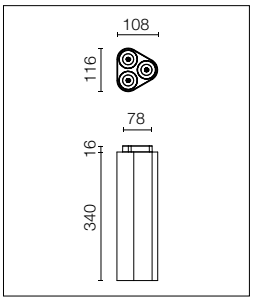
Luminous flux luminaire
1812 lm

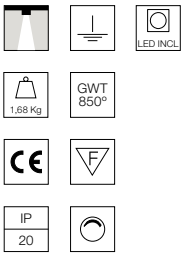
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	6615	0.54
2	1654	1.08
3	735	1.62
4	413	2.16
5	265	2.70

Emi Ceiling Large H340

LED Array - 28W - 2289 lm - 2700K/CRI 90 / 2303 lm - 3000K/CRI 90





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Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

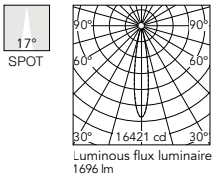
Optic Spot
2700K

Non Dimming
- 05.4340.OW
- 05.4340.OW.78
- 05.4340.RY
- 05.4340.GY
- 05.4340.ZY

DALI 2
- 05.4340.OW.DA
- 05.4340.OW.YU
- 05.4340.RY.DA
- 05.4340.GY.DA
- 05.4340.ZY.DA

1-10V
- 05.4340.OW.1V
- 05.4340.OW.RX
- 05.4340.RY.1V
- 05.4340.GY.1V
- 05.4340.ZY.1V

Mains Dimming
- 05.4340.OW.NI
- 05.4340.OW.CN
- 05.4340.RY.NI
- 05.4340.GY.NI
- 05.4340.ZY.NI



Luminous flux luminaire
1696 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16421	0.30
2	4105	0.60
3	1825	0.91
4	1026	1.21
5	657	1.51

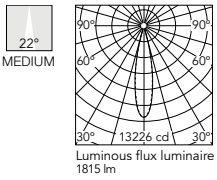
Optic Medium
2700K

Non Dimming
- 05.4341.OW
- 05.4341.OW.78
- 05.4341.RY
- 05.4341.GY
- 05.4341.ZY

DALI 2
- 05.4341.OW.DA
- 05.4341.OW.YU
- 05.4341.RY.DA
- 05.4341.GY.DA
- 05.4341.ZY.DA

1-10V
- 05.4341.OW.1V
- 05.4341.OW.RX
- 05.4341.RY.1V
- 05.4341.GY.1V
- 05.4341.ZY.1V

Mains Dimming
- 05.4341.OW.NI
- 05.4341.OW.CN
- 05.4341.RY.NI
- 05.4341.GY.NI
- 05.4341.ZY.NI



Luminous flux luminaire
1815 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13226	0.38
2	3307	0.76
3	1470	1.14
4	827	1.52
5	529	1.90

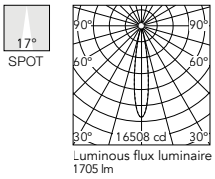
3000K

Non Dimming
- 05.4345.OW
- 05.4345.OW.78
- 05.4345.RY
- 05.4345.GY
- 05.4345.ZY

DALI 2
- 05.4345.OW.DA
- 05.4345.OW.YU
- 05.4345.RY.DA
- 05.4345.GY.DA
- 05.4345.ZY.DA

1-10V
- 05.4345.OW.1V
- 05.4345.OW.RX
- 05.4345.RY.1V
- 05.4345.GY.1V
- 05.4345.ZY.1V

Mains Dimming
- 05.4345.OW.NI
- 05.4345.OW.CN
- 05.4345.RY.NI
- 05.4345.GY.NI
- 05.4345.ZY.NI



Luminous flux luminaire
1705 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16508	0.30
2	4127	0.60
3	1834	0.91
4	1032	1.21
5	660	1.51

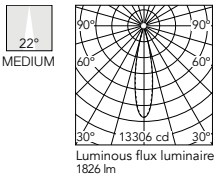
3000K

Non Dimming
- 05.4346.OW
- 05.4346.OW.78
- 05.4346.RY
- 05.4346.GY
- 05.4346.ZY

DALI 2
- 05.4346.OW.DA
- 05.4346.OW.YU
- 05.4346.RY.DA
- 05.4346.GY.DA
- 05.4346.ZY.DA

1-10V
- 05.4346.OW.1V
- 05.4346.OW.RX
- 05.4346.RY.1V
- 05.4346.GY.1V
- 05.4346.ZY.1V

Mains Dimming
- 05.4346.OW.NI
- 05.4346.OW.CN
- 05.4346.RY.NI
- 05.4346.GY.NI
- 05.4346.ZY.NI



Luminous flux luminaire
1826 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13306	0.38
2	3327	0.76
3	1478	1.14
4	832	1.52
5	532	1.90

NEW

Optic Flood
2700K

Non Dimming

- 05.4342.OW
- 05.4342.OW.78
- 05.4342.RY
- 05.4342.GY
- 05.4342.ZY

DALI 2

- 05.4342.OW.DA
- 05.4342.OW.YU
- 05.4342.RY.DA
- 05.4342.GY.DA
- 05.4342.ZY.DA

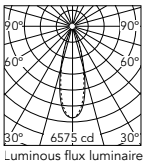
1-10V

- 05.4342.OW.1V
- 05.4342.OW.RX
- 05.4342.RY.1V
- 05.4342.GY.1V
- 05.4342.ZY.1V

Mains Dimming

- 05.4342.OW.NI
- 05.4342.OW.CN
- 05.4342.RY.NI
- 05.4342.GY.NI
- 05.4342.ZY.NI

FLOOD



Luminous flux luminaire
1801 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	6575	0.54
2	1644	1.08
3	731	1.62
4	411	2.16
5	263	2.70

3000K

Non Dimming

- 05.4347.OW
- 05.4347.OW.78
- 05.4347.RY
- 05.4347.GY
- 05.4347.ZY

DALI 2

- 05.4347.OW.DA
- 05.4347.OW.YU
- 05.4347.RY.DA
- 05.4347.GY.DA
- 05.4347.ZY.DA

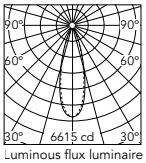
1-10V

- 05.4347.OW.1V
- 05.4347.OW.RX
- 05.4347.RY.1V
- 05.4347.GY.1V
- 05.4347.ZY.1V

Mains Dimming

- 05.4347.OW.NI
- 05.4347.OW.CN
- 05.4347.RY.NI
- 05.4347.GY.NI
- 05.4347.ZY.NI

FLOOD



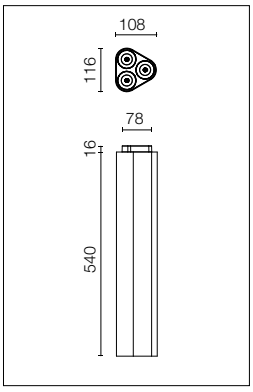
Luminous flux luminaire
1812 lm

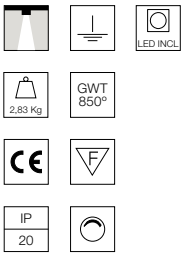
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	6615	0.54
2	1654	1.08
3	735	1.62
4	413	2.16
5	265	2.70

Emi Ceiling Large H540

LED Array - 28W - 2289 lm - 2700K/CRI 90 / 2303 lm - 3000K/CRI 90





Blendarme Leuchte für die Installation an Oberflächen. Mit Stromquelle 220-240 V. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Die verschiedenen Linsenoptionen (je nach Abstrahlwinkel) sind austauschbar.

Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Optic Spot
2700K

Non Dimming

- 05.4350.OW
- 05.4350.OW.78
- 05.4350.RY
- 05.4350.GY
- 05.4350.ZY

DALI 2

- 05.4350.OW.DA
- 05.4350.OW.YU
- 05.4350.RY.DA
- 05.4350.GY.DA
- 05.4350.ZY.DA

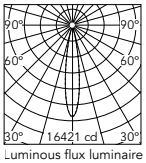
1-10V

- 05.4350.OW.1V
- 05.4350.OW.RX
- 05.4350.RY.1V
- 05.4350.GY.1V
- 05.4350.ZY.1V

Mains Dimming

- 05.4350.OW.NI
- 05.4350.OW.CN
- 05.4350.RY.NI
- 05.4350.GY.NI
- 05.4350.ZY.NI

17°
SPOT



Luminous flux luminaire
1696 lm

Beam Angle:	17°
h(m) E(lx)	D(m)
1 16421	0.30
2 4105	0.60
3 1825	0.91
4 1026	1.21
5 657	1.51

Optic Medium
2700K

Non Dimming

- 05.4351.OW
- 05.4351.OW.78
- 05.4351.RY
- 05.4351.GY
- 05.4351.ZY

DALI 2

- 05.4351.OW.DA
- 05.4351.OW.YU
- 05.4351.RY.DA
- 05.4351.GY.DA
- 05.4351.ZY.DA

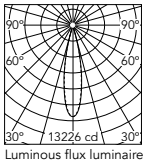
1-10V

- 05.4351.OW.1V
- 05.4351.OW.RX
- 05.4351.RY.1V
- 05.4351.GY.1V
- 05.4351.ZY.1V

Mains Dimming

- 05.4351.OW.NI
- 05.4351.OW.CN
- 05.4351.RY.NI
- 05.4351.GY.NI
- 05.4351.ZY.NI

22°
MEDIUM



Luminous flux luminaire
1815 lm

Beam Angle:	22°
h(m) E(lx)	D(m)
1 13226	0.38
2 3307	0.76
3 1470	1.14
4 827	1.52
5 529	1.90

3000K

Non Dimming

- 05.4355.OW
- 05.4355.OW.78
- 05.4355.RY
- 05.4355.GY
- 05.4355.ZY

DALI 2

- 05.4355.OW.DA
- 05.4355.OW.YU
- 05.4355.RY.DA
- 05.4355.GY.DA
- 05.4355.ZY.DA

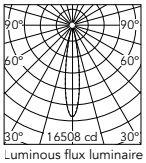
1-10V

- 05.4355.OW.1V
- 05.4355.OW.RX
- 05.4355.RY.1V
- 05.4355.GY.1V
- 05.4355.ZY.1V

Mains Dimming

- 05.4355.OW.NI
- 05.4355.OW.CN
- 05.4355.RY.NI
- 05.4355.GY.NI
- 05.4355.ZY.NI

17°
SPOT



Luminous flux luminaire
1705 lm

Beam Angle:	17°
h(m) E(lx)	D(m)
1 16508	0.30
2 4127	0.60
3 1834	0.91
4 1032	1.21
5 660	1.51

3000K

Non Dimming

- 05.4356.OW
- 05.4356.OW.78
- 05.4356.RY
- 05.4356.GY
- 05.4356.ZY

DALI 2

- 05.4356.OW.DA
- 05.4356.OW.YU
- 05.4356.RY.DA
- 05.4356.GY.DA
- 05.4356.ZY.DA

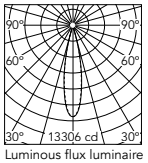
1-10V

- 05.4356.OW.1V
- 05.4356.OW.RX
- 05.4356.RY.1V
- 05.4356.GY.1V
- 05.4356.ZY.1V

Mains Dimming

- 05.4356.OW.NI
- 05.4356.OW.CN
- 05.4356.RY.NI
- 05.4356.GY.NI
- 05.4356.ZY.NI

22°
MEDIUM



Luminous flux luminaire
1826 lm

Beam Angle:	22°
h(m) E(lx)	D(m)
1 13306	0.38
2 3327	0.76
3 1478	1.14
4 832	1.52
5 532	1.90

NEW

Optic Flood
2700K

Non Dimming

- 05.4352.OW
- 05.4352.OW.78
- 05.4352.RY
- 05.4352.GY
- 05.4352.ZY

DALI 2

- 05.4352.OW.DA
- 05.4352.OW.YU
- 05.4352.RY.DA
- 05.4352.GY.DA
- 05.4352.ZY.DA

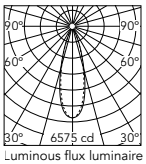
1-10V

- 05.4352.OW.1V
- 05.4352.OW.RX
- 05.4352.RY.1V
- 05.4352.GY.1V
- 05.4352.ZY.1V

Mains Dimming

- 05.4352.OW.NI
- 05.4352.OW.CN
- 05.4352.RY.NI
- 05.4352.GY.NI
- 05.4352.ZY.NI

FLOOD



Luminous flux luminaire
1801 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	6575 0.54
2	1644 1.08
3	731 1.62
4	411 2.16
5	263 2.70

3000K

Non Dimming

- 05.4357.OW
- 05.4357.OW.78
- 05.4357.RY
- 05.4357.GY
- 05.4357.ZY

DALI 2

- 05.4357.OW.DA
- 05.4357.OW.YU
- 05.4357.RY.DA
- 05.4357.GY.DA
- 05.4357.ZY.DA

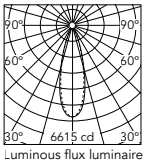
1-10V

- 05.4357.OW.1V
- 05.4357.OW.RX
- 05.4357.RY.1V
- 05.4357.GY.1V
- 05.4357.ZY.1V

Mains Dimming

- 05.4357.OW.NI
- 05.4357.OW.CN
- 05.4357.RY.NI
- 05.4357.GY.NI
- 05.4357.ZY.NI

FLOOD

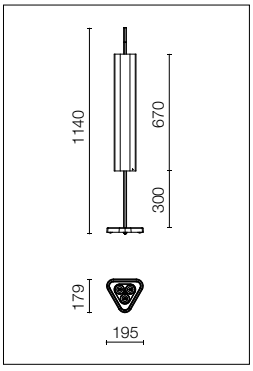


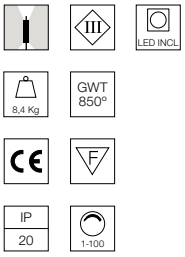
Luminous flux luminaire
1812 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	6615 0.54
2	1654 1.08
3	735 1.62
4	413 2.16
5	265 2.70

Emi Table

Up: LED Array - 28W - 3087 lm - 2700K/CRI 90 / 3111 lm - 3000K/CRI 90
Down: Power LED - 13W - 1087 lm - 2700K/CRI 90 / 1161 lm - 3000K/CRI 90

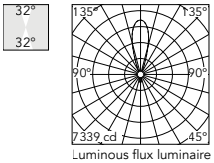




Blendarme Leuchte für die Installation an Tisch und Beistelltisch. Mit Stromquelle 100-240 V, Kabel und Stecker. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Unabhängige Steuerung der Beleuchtung *Up&Down* durch kapazitives *Touch Dimming*Sensoren am oberen Ende des Hauptständers.
Das technologische Herzstück der Emi ist mit einem exquisit gefertigten Sockel aus Gusseisen kombiniert. Die Unebenheiten auf der Oberfläche des Sockels sind das Ergebnis eines manuellen Herstellungsprozesses, der jedes Produkt zu einem Unikat macht.

Anti-glare appliance for installation on tables and coffee tables. Built-in 100-240 V power supply, with cable and plug. Spare parts for the optical module (lens) are available, please see the accessories. Independent control of the *Up&Down* lighting through *Touch Dimming* capacitive sensors in the top part of the central rod.
The technological heart of Emi combines with an exquisitely crafted base made of cast iron. Imperfections present on the surface of the base are the result of a manual production process that makes each product unique.

2700K
Touch Dimming
- 05.4380.OW
- 05.4380.OW.78
- 05.4380.RY
- 05.4380.GY
- 05.4380.ZY

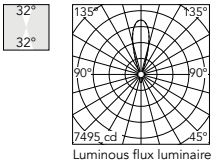


Beam Angle: 32°32°

h(m)	E(lx)	D(m)
1	7339	0.56
2	1835	1.13
3	815	1.69
4	459	2.26
5	294	2.82

Luminous flux luminaire
2959 lm

3000K
Touch Dimming
- 05.4381.OW
- 05.4381.OW.78
- 05.4381.RY
- 05.4381.GY
- 05.4381.ZY



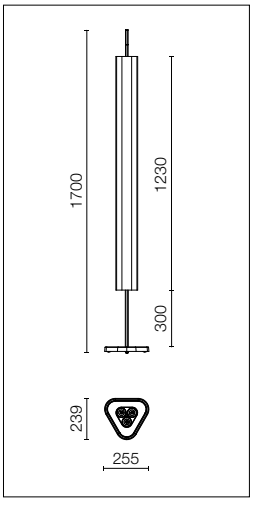
Beam Angle: 32°32°

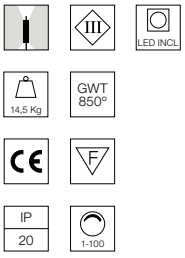
h(m)	E(lx)	D(m)
1	7495	0.56
2	1874	1.13
3	833	1.69
4	468	2.26
5	300	2.82

Luminous flux luminaire
3022 lm

Emi Floor

Up: LED Array - 38,5W - 3714 lm - 2700K/CRI 90 / 3741 lm - 3000K/CRI 90
Down: Power LED - 13W - 1087 lm - 2700K/CRI 90 / 1161 lm - 3000K/CRI 90

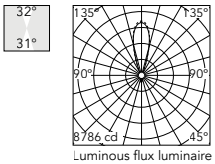




Blendarme Leuchte für die Installation auf dem Boden. Mit Stromquelle 100-240 V, Kabel und Stecker. Ersatzteile des optischen Moduls (Linsen) verfügbar, siehe Zubehör. Unabhängige Steuerung der Beleuchtung *Up&Down* durch kapazitives *Touch Dimming*-Sensoren am oberen Ende des Hauptständers.
Das technologische Herzstück der Emi ist mit einem exquisit gefertigten Sockel aus Gusseisen kombiniert. Die Unebenheiten auf der Oberfläche des Sockels sind das Ergebnis eines manuellen Herstellungsprozesses, der jedes Produkt zu einem Unikat macht.

Anti-glare appliance for installation on the floor. Built-in 100-240 V power supply, with cable and plug. Spare parts for the optical module (lens) are available, please see the accessories. Independent control of the *Up&Down* lighting through *Touch Dimming* capacitive sensors in the top part of the central rod.
The technological heart of Emi combines with an exquisitely crafted base made of cast iron. Imperfections present on the surface of the base are the result of a manual production process that makes each product unique.

2700K
Touch Dimming
- 05.4385.OW
- 05.4385.OW.78
- 05.4385.RY
- 05.4385.GY
- 05.4385.ZY

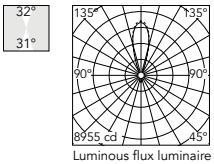


Beam Angle: 32°31°

h(m)	E(lx)	D(m)
1	8786	0.56
2	2196	1.12
3	976	1.68
4	549	2.24
5	351	2.80

Luminous flux luminaire
3377 lm

3000K
Touch Dimming
- 05.4386.OW
- 05.4386.OW.78
- 05.4386.RY
- 05.4386.GY
- 05.4386.ZY

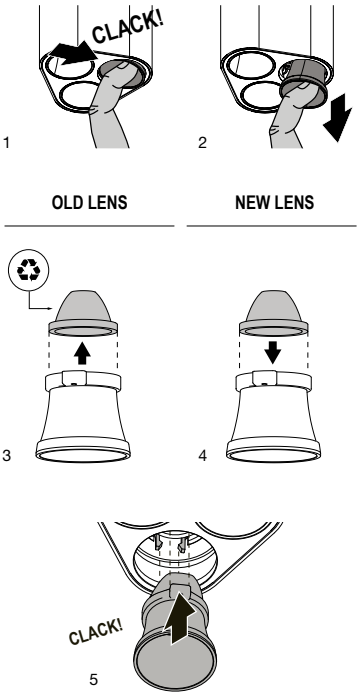


Beam Angle: 32°31°

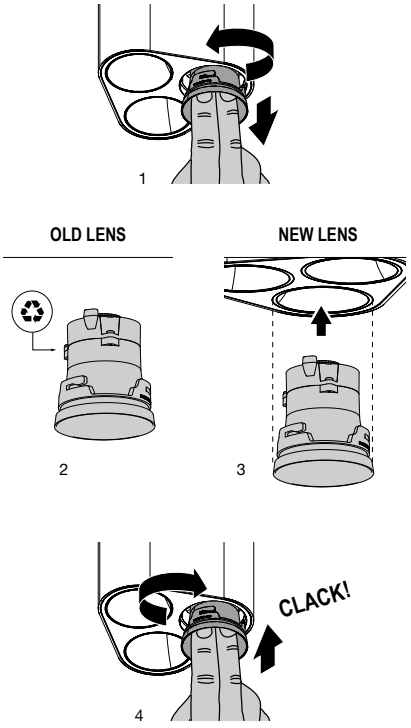
h(m)	E(lx)	D(m)
1	8955	0.56
2	2239	1.12
3	995	1.68
4	560	2.24
5	358	2.80

Luminous flux luminaire
3442 lm

Emi Ceiling Small



Emi Ceiling Large, Emi Floor & Emi Table



Emi Ceiling Small

Linsen

Lenses

3x Opic Spot
08.0950.00
3x Opic Medium
08.0951.00
3x Opic Flood
08.0952.00
3x Opic Wide Flood
08.0953.00

Emi Ceiling Large

Linsen

Lenses

3x Opic Spot
■ 08.0954.14
□ 08.0954.40
3x Opic Medium
■ 08.0955.14
□ 08.0955.40
3x Opic Flood
■ 08.0956.14
□ 08.0956.40

Emi Table & Floor

Linsen

Lenses

3x Opic Flood
■ 08.0956.14
□ 08.0956.40

OBLIQUE

DESIGNED BY VINCENT VAN DUYSEN

LIGHT SOURCE
TOP LED
8W
750 lm
2700K/CRI 90
800 lm
3000K/CRI 90
850 lm
4000K/CRI 90

DY Weiss
DY Matt White

AH Glanzgrau
AH Gloss Grey

DX Rost
DX Matt Rust

DW Braun
DW Matt Brown

DR Anthrazit
DR Matt Anthracite

DV Salbei-Glanz
DV Gloss Salvia

Produktbeschreibung
Tischleuchte mit direktem Licht und Halterung. Druckgegossener Aluminiumkörper. Druckgegossener Kopf mit asymmetrischer Vollschnittlinse, die in spritzgegossenes Methacrylat integriert ist. LED-Quellen sind für einen maximalen Sehkomfort völlig versteckt, ohne dass Membranen oder Blendschutz-Zubehör verwendet werden müssen, die die Leistung des Lampenkörpers einschränken. Die patentierte optische Spezialeinheit übertrifft die üblichen Beleuchtungsstandards für Anwendungen in Arbeits- und Bürobereichen, indem sie Beleuchtungswerte des Arbeitsbereichs von mehr als 1000 Lux mit hohem Blendungsschutz und minimiertem Flackern bietet.
Die Lampenbasis ist bei allen Versionen mit einer USB-C-Buchse zum Laden kompatibler Geräte ausgestattet. Die Qi-Versionen verfügen über eine Polymeraußenabdeckung der Basis, die das zusätzliche drEAtlose Laden mobiler Geräte ermöglicht. Struktur aus einem mechanisch bearbeiteten Rohr aus extrudierter Aluminiumlegierung.
Der Dimmer-Regler und Ein-Aus Schalter ist in der Leuchtenbasis integriert und verfügt über einen Timer.

Betriebsgerät
Elektronischer Transformator 100-240 V - 50/60 Hz.

Zusatzinformationen
Schutzgrad IP20.
Schutzklasse III.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Table lamp with direct light and support. Body in die-cast aluminium. Head in die-cast aluminium with integrated full cut-off asymmetric lens in injection moulded methacrylate. LED source completely hidden from view for the best visual comfort without diaphragms or anti-glare accessories that would limit the performance of the lamp. The special patented optics group exceeds regular lighting standards for application in work and study environments, producing lighting values on the work surface greater than 1000 lux with high glare protection and minimum flickering.
All lamp base versions are equipped with a USB-C connection to recharge compatible devices.
The Qi versions have an external polymer covering on the base that allows for supplementary charging of mobile devices via wireless. Structure made of an extruded tubular aluminium alloy produced mechanically.
The ON/OFF-dimmer switch is integrated into the base and features a timer.

Power Supply
100-240 V - 50/60 Hz electronic transformer.

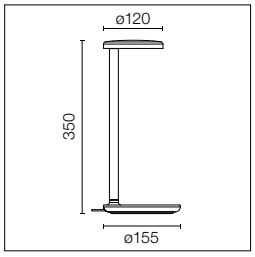
Additional Information
IP20 protection grade.
Insulation class III.

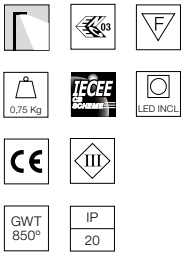
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Oblique

Top LED 8W - 750 lm - 2700K/CRI 90 / 8W - 800 lm - 3000K/CRI 90 / 8W - 850 lm - 4000K/CRI 90



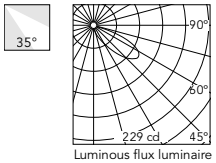


Profi-Tischlampe mit patentierter asymmetrischer Optik. Externes Netzteil mit einer Kabellänge von 1500 mm im Lieferumfang enthalten. In die Basis des Geräts integrierte USB-C-Buchse zum Laden kompatibler Geräte.
Driver input: 24 V

Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices.
Driver input: 24 V

2700K

- 09.8300.DY
- 09.8300.AH
- 09.8300.DX
- 09.8300.DW
- 09.8300.DR
- 09.8300.DV

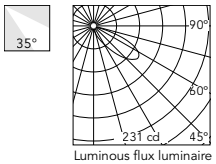


Luminous flux luminaire
479 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	229	2.18
2	57	4.36
3	25	6.54
4	14	8.72
5	9	10.90

3000K

- 09.8301.DY
- 09.8301.AH
- 09.8301.DX
- 09.8301.DW
- 09.8301.DR
- 09.8301.DV

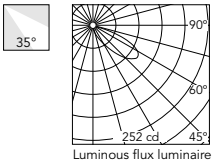


Luminous flux luminaire
482 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	231	2.18
2	58	4.36
3	26	6.54
4	14	8.72
5	9	10.90

4000K

- 09.8302.DY
- 09.8302.AH
- 09.8302.DX
- 09.8302.DW
- 09.8302.DR
- 09.8302.DV

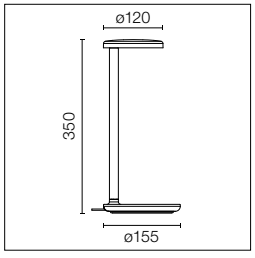


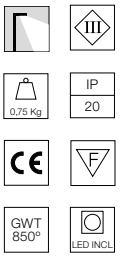
Luminous flux luminaire
525 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	252	2.18
2	63	4.36
3	28	6.54
4	16	8.72
5	10	10.90

Oblique Qi

Top LED 8W - 750 lm - 2700K/CRI 90 / 8W - 800 lm - 3000K/CRI 90 / 8W - 850 lm - 4000K/CRI 90



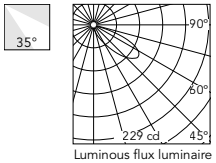


Profi-Tischlampe mit patentierter asymmetrischer Optik. Externes Netzteil mit einer Kabellänge von 1500 mm im Lieferumfang enthalten. In die Basis des Geräts integrierte USB-C-Buchse zum Laden kompatibler Geräte. Basis mit Qi- kompatiblem kabellosen Ladesystem für mobile Geräte und kabellosen Ladegehäusen für kompatible Geräte.
Driver input: 12 V

Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices. Base with Qi compatible wireless recharging system for mobile devices and wireless recharging cases for compatible devices.
Driver input: 12 V

2700K

- 09.8310.DY
- 09.8310.AH
- 09.8310.DX
- 09.8310.DW
- 09.8310.DR
- 09.8310.DV

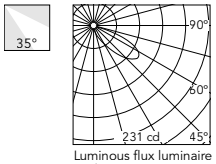


Luminous flux luminaire
479 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	229	2.18
2	57	4.36
3	25	6.54
4	14	8.72
5	9	10.90

3000K

- 09.8311.DY
- 09.8311.AH
- 09.8311.DX
- 09.8311.DW
- 09.8311.DR
- 09.8311.DV

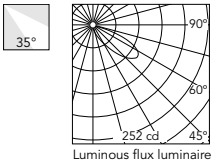


Luminous flux luminaire
482 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	231	2.18
2	58	4.36
3	26	6.54
4	14	8.72
5	9	10.90

4000K

- 09.8312.DY
- 09.8312.AH
- 09.8312.DX
- 09.8312.DW
- 09.8312.DR
- 09.8312.DV



Luminous flux luminaire
525 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	252	2.18
2	63	4.36
3	28	6.54
4	16	8.72
5	10	10.90

OBLIQUE FLOOR

DESIGNED BY VINCENT VAN DUYSEN

LIGHT SOURCE
TOP LED
8W
750 lm
2700K/CRI 90
800 lm
3000K/CRI 90
850 lm
4000K/CRI 90

DY Weiss
DY Matte White

AH Glanzgrau
AH Gloss Grey

DX Rost
DX Matte Rust

DW Braun
DW Matte Brown

DR Anthrazit
DR Matte Anthracite

DV Salbei-Glanz
DV Gloss Salvia

Produktbeschreibung
Stehleuchte mit asymmetrischer direkter Beleuchtung und Bodenständer. Haptische Interaktion beim Schalten und Dimmen. Gehäuse aus Aluminiumdruckguss. Kopf aus Aluminiumdruckguss mit asymmetrischer Linse mit vollem Cut-Off, integriert in spritzgegossenem Methacrylat. Struktur aus stranggepresstem, mechanisch bearbeitetem Rohr aus Aluminiumlegierung. Völlig unsichtbare LED-Quellen für maximalen visuellen Komfort ohne Blenden oder Blendschutzzubehör, das die Leistung der Leuchte einschränkt. Die spezielle, patentierte Optikeinheit übertrifft die üblichen Beleuchtungsstandards für Anwendungen in Wohn-, Arbeits- und Lernumgebungen mit hohem Blendschutz und hervorragender Lichtqualität.

Betriebsgerät
Elektronischer Transformator 100-240 V - 50/60 Hz.

Zusatzinformationen
Schutzgrad IP20.
Schutzklasse III.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Floor lamp with asymmetrical direct lighting and floor stand. Haptic interaction for switching and dimming. Cast aluminum body. Cast aluminum head with integrated full cut-off asymmetric lens in injection molded methacrylate. Structure made of a mechanically worked extruded aluminum alloy tube. Completely invisible LED sources for maximum visual comfort without the need for diaphragms or anti-glare accessories that limit the performance of the luminaire. The patented special optical unit exceeds the usual lighting standards for applications in residential, work and study environments with high glare protection and outstanding light quality.

Power Supply
100-240 V - 50/60 Hz electronic transformer.

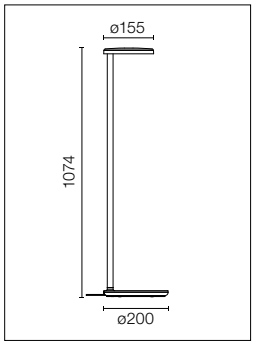
Additional Information
IP20 protection grade.
Insulation class III.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Oblique Floor

Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90



3,25 Kg

GWT 850°

IP 20

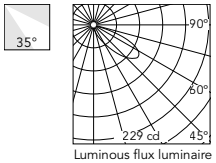
LED INCL

Stehleuchte, die dank ihrer innovativen, patentierten Linse eine asymmetrische Lichtverteilung bietet und gleichzeitig einen hohen Sehkomfort gewährleistet. Ihre Form, Höhe und Abmessungen stehen im Einklang mit der Funktionalität des Produkts, das eine hervorragende Beleuchtung zum Lesen oder als Begleiter bietet, wobei die Lichtquelle dem Blick des Benutzers verborgen bleibt.
Driver input: 24 V

Floor lamp that, thanks to its innovative patented lens, offers asymmetrical light distribution and excellent visual comfort. Its shape, height and dimensions are consistent with the functionality of the product, which provides excellent reading or companion lighting while keeping the light source invisible to the user.
Driver input: 24 V

2700K

- 09.8220.DY
- 09.8220.AH
- 09.8220.DX
- 09.8220.DW
- 09.8220.DR
- 09.8220.DV

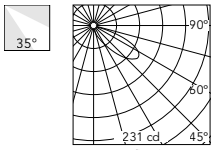


Luminous flux luminaire 479 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	229	2.18
2	57	4.36
3	25	6.54
4	14	8.72
5	9	10.90

3000K

- 09.8221.DY
- 09.8221.AH
- 09.8221.DX
- 09.8221.DW
- 09.8221.DR
- 09.8221.DV

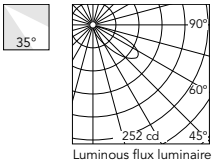


Luminous flux luminaire 482 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	231	2.18
2	58	4.36
3	26	6.54
4	14	8.72
5	9	10.90

4000K

- 09.8222.DY
- 09.8222.AH
- 09.8222.DX
- 09.8222.DW
- 09.8222.DR
- 09.8222.DV

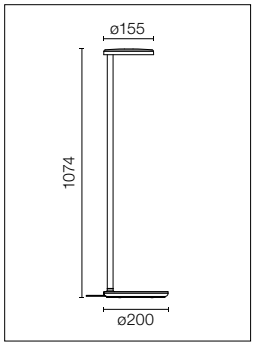


Luminous flux luminaire 525 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	252	2.18
2	63	4.36
3	28	6.54
4	16	8.72
5	10	10.90

Oblique Floor USB-C

Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90



3,25 Kg

GWT 850°

IP 20

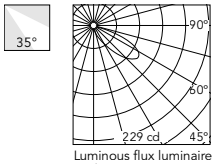
LED INCL

Stehleuchte, die dank ihrer innovativen, patentierten Linse eine asymmetrische Lichtverteilung bietet und gleichzeitig einen hohen Sehkomfort gewährleistet. Ihre Form, Höhe und Abmessungen stehen im Einklang mit der Funktionalität des Produkts, das eine hervorragende Beleuchtung zum Lesen oder als Begleiter bietet, wobei die Lichtquelle dem Blick des Benutzers verborgen bleibt.
Modell mit mobiler USB-C-Ladestation in der Basis.
Driver input: 24 V

Floor lamp that, thanks to its innovative patented lens, offers asymmetrical light distribution and excellent visual comfort. Its shape, height and dimensions are consistent with the functionality of the product, which provides excellent reading or companion lighting while keeping the light source invisible to the user.
Model with USB-C mobile charging in its base.
Driver input: 24 V

2700K

- 09.8230.DY
- 09.8230.AH
- 09.8230.DX
- 09.8230.DW
- 09.8230.DR
- 09.8230.DV

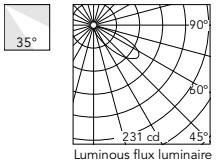


Luminous flux luminaire 479 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	229	2.18
2	57	4.36
3	25	6.54
4	14	8.72
5	9	10.90

3000K

- 09.8231.DY
- 09.8231.AH
- 09.8231.DX
- 09.8231.DW
- 09.8231.DR
- 09.8231.DV

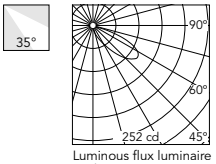


Luminous flux luminaire 482 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	231	2.18
2	58	4.36
3	26	6.54
4	14	8.72
5	9	10.90

4000K

- 09.8232.DY
- 09.8232.AH
- 09.8232.DX
- 09.8232.DW
- 09.8232.DR
- 09.8232.DV



Luminous flux luminaire 525 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	252	2.18
2	63	4.36
3	28	6.54
4	16	8.72
5	10	10.90

NEW

WORKMATES

DESIGNED BY FLOS ARCHITECTURAL

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

WORKMATES

NEW

Beschreibung
Workmates ist das Leuchtensystem von Flos für die neuen modernen und multidisziplinären Arbeitsbereiche. Vom klassischen Büro bis zum *Home-Office*, vom Einzelbüro bis zum gemeinschaftlichen Arbeitsbereich. Mit dem sehr schlanken Profil von nur 15 mm definiert es eine Kollektion von Produkten, die entwickelt wurde, um mit Vielseitigkeit auf jeden Beleuchtungsbedarf und jede Installationsanforderung zu reagieren. Ein Beleuchtungskonzept, welches das Wohlbefinden der Menschen in den Mittelpunkt der technischen Entwicklung stellt und dies mit einer sorgfältigen Aufmerksamkeit für Ästhetik und Details ergänzt, die von der differenzierten Identität des Designs von Flos ausgeht.
Workmates ist in 4 Varianten erhältlich (Deckenfläche, Aufhängung, Boden und Schiene), um den Installationsanforderungen in allen Räumen gerecht zu werden. Es wird in 3 Ausführungen angeboten: *All White, White* und *Black*. Darüber hinaus sind alle Modelle mit Ausnahme der Bodenvariante mit dem attraktiven Finish *Anodized Silver* versehen.

Optisches System
Alle Workmates-Ökosystem-Leuchten werden mit *High Efficiency*- und *Full Spectrum*-LED-Lichtquellen angeboten. Mit ersterer wird eine hervorragende Lm/W-Leistung erzielt, während die Option *Full Spectrum* eine optimale Farbwiedergabe mit einer Qualität bietet, die dem Tageslicht über das gesamte Spektrum unschlagbar nahe kommt.
Die Modelle für den Deckenanbau, die Stromschienenmontage und die Hängemodelle bieten zwei Lichtverteilungen in der *Down*-Emission: *Wide Flood* und *Oval*. Durch die *Wide Flood*-Verteilung wird eine perfekte Gleichmäßigkeit und Intensität auf der gesamten Arbeitsfläche (Tisch oder Schreibtisch) erreicht. Bei der Option *Oval* wird das Licht so geformt, dass es sich in Längsrichtung ausbreitet und sich für Anwendungen mit durchgehenden Tischen oder länglichen Grundrissen wie Flure, Durchgangsbereiche usw. eignet.
Die Bodenmodelle sind aufgrund ihrer versetzten Position zur effektiven Beleuchtungsebene mit einem asymmetrischen *Down*-Lichtaustritt konzipiert.

Darüber hinaus verfügen die Hänge- und Bodenversionen über eine *Up*-Emission mit *Extra Wide Flood* -Öffnung, um indirektes, diffuses Licht zu erzeugen. Dadurch wird die visuelle Ermüdung der Benutzer verringert und der Helligkeitssprung zwischen der Arbeitsfläche der Leuchte und der Umgebung abgeschwächt. Die Up-Emission ist auch in der variablen Farbtemperatur Tunable White erhältlich eine Anpassung der indirekten Lichttemperatur an die circadiane Rhythmik und je nach Tageszeit eine HCL-Beleuchtung (Human Centric Lighting) ermöglicht.
Alle Workmates-Linsen wurden von Flos so entwickelt, dass sie zusammen mit dem *„Extreme cut-off"*-Schirm - in glänzender technischer Ausführung - die Blendung reduzieren und die LED-Rohleistung optimal kanalisieren, um die beste *Light Output Ratio* (L.O.R.) zu erzielen.

Steuerungssysteme
Workmates ist mit den Steuerprotokollen *On/Off*, *On Board Dimming*, *1-10V*, *Dali* und *Casambi* erhältlich (*siehe verfügbare Protokolle für jedes Modell). Darüber hinaus werden die Stehversionen mit *Touch Dimming*-Steuerung über die integrierte Tastatur angeboten.
Die Steh- und Hängemodelle sind auch als smarte Versionen mit Anwesenheitssensoren und Lichtschwellen ausgestattet.

Zusätzliche Informationen
Workmates erfüllt die strengen Anforderungen der Norm *EN 12464-1:2012* für die Beleuchtung von Arbeitsplätzen. So bietet es einen UGR von weniger als 19 und einen maximalen Intensitätswert bei einem Winkel von 65° von weniger als 3000 cd/m^2.
Bei Modellen mit LED *High Efficiency* können LED mit höherem binning für ein noch höheres Lm/w-Verhältnis gewählt werden (kontaktieren Sie uns für eine Sonderbestellung).

Kompatibilität mit Schienenmodellen:
- Workmates Track (*Small* & *Large*):
  · Einstellungen *On/Off* und *Casambi* kompatibel mit Schienen Global, Ivela und Eutrac.
  · Einstellung *Dali 2* kompatibel mit Schienen Unipro, Global und Stucchi.

- Workmates In-Track (*Small* & *Large*):
  · Einstellung *On/Off* kompatibel mit Schienen Global, Stucchi und Eutrac.
  · Einstellung *Dali 2* kompatibel mit Schienen Global und Stucchi.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Workmates is Flos' luminaire ecosystem for new contemporary and multidisciplinary work spaces. From traditional offices through to *home offices*, from private offices to collaborative work spaces. With its ultraslim profile of only 15 mm, it defines a collection of products that have been designed to provide a versatile response to any lighting need or installation requirement. A lighting concept that places personal well-being at the very core of its technical development and adds careful attention to the aesthetics and details that emanate from the differential identity of the Flos design.
Workmates comes in 4 installation options (ceiling surface, suspension, floor and track), in order to adapt to the installation requirements of any space. All of these come in 3 finishes: *All White, White* and *Black*. In addition, an attractive *Anodized Silver* finish is available in all except the floor option.

Optical System
All of the luminaires in the Workmates ecosystem are offered with LED *High Efficiency* and *Full Spectrum* light sources. The former provides excellent performance in terms of Lm/W, while the *Full Spectrum* option provides optimal colour rendering with a quality that is unbeatably close to that of natural light across the entire spectrum.
The ceiling surface, track and suspension models offer two light distribution options in their *Down* emission: *Wide Flood* and *Oval*. *Wide Flood* distribution achieves perfect uniformity and intensity over the entire work surface (the top of the table or desk). The *Oval* option shapes the light to provide a longitudinal distribution which is suited to applications with long tables or spaces with an elongated layout, such as corridors, transit areas, etc.
Due to their displaced position with respect to the effective lighting plane, the floor-mounted models are designed with asymmetric light delivery in their *Down* emission.

In addition, the suspension and floor mounted versions have an *Up* emission with an *Extra Wide Flood* aperture to generate indirect diffuse light. This reduces users' visual fatigue as well as the jump in light levels between the work plane of the luminaire and the surrounding environment. *Up* emission is also available in *Tunable White* variable colour temperature, which allows the temperature of the indirect light to be adjusted to the circadian rhythm and, depending on the time of day, the generation of an HCL (*Human Centric Lighting*) lighting scheme.
Together with the *'extreme cut-off'* screen, in a glossy technical finish, all Worksmate lenses are designed by Flos to reduce glare and channel the gross flow of the LED optimally in order to achieve the best *Light Output Ratio* (L.O.R.).

Control Systems
Workmates is available with the following setting protocols *On/Off*, *On Board Dimming*, *1-10V, Dali* and *Casambi* (*see the protocols available for each model). The floor versions are also sold with a *Touch Dimming* controller through the built-in button panel.
The floor and pendant models also come in *Smart* versions equipped with motion detection sensors and brightness thresholds.

Additional Information
Workmates complies with the more restrictive requirements of the *EN 12464-1:2012* standard for workspace lighting. Therefore, they offer a UGR of less than 19 and maximum intensity value at an angle of 65º of less than 3000 cd/m^2.
The models with *High Efficiency* LEDs let you choose LEDs with a better 'binning' so you can have an even higher lm/W ratio (contact us for special orders).

Compatibility with the Track models:
- Workmates Track (*Small* & *Large*):
  · *On/Off* and *Casambi* settings compatible with Global, Ivela and Eutrac tracks.
  · *Dali 2* settings compatible with Unipro, Global and Stucchi tracks.

- Workmates In-Track (*Small* & *Large*):
  · *On/Off* settings compatible with Global, Stucchi and Eutrac tracks.
  · *Dali 2* settings compatible with Global and Stucchi tracks.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
Luminaire conforms to European Technical Standard EN60598-1 and secondary parts.

NEW

WORKMATES

DESIGNED BY FLOS ARCHITECTURAL

WORKMATES SURFACE SMALL

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
14W
CRI 90
1817 lm / 3000K
1831 lm / 3500K
1858 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
14W
CRI 98
1346 lm / 3000K
1357 lm / 3500K
1369 lm / 4000K

WORKMATES SURFACE LARGE

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
28W
CRI 90
3634 lm / 3000K
3662 lm / 3500K
3717 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
28W
CRI 98
2691 lm / 3000K
2714 lm / 3500K
2737 lm / 4000K

WORKMATES SUSPENSION

WORKMATES SUSPENSION DOWN

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 28W
DOWN/CRI 90
4061 lm / 3000K
4090 lm / 3500K
4157 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 28W
DOWN/CRI 98
2976 lm / 3000K
3005 lm / 3500K
3034 lm / 4000K

WORKMATES SUSPENSION UP&DOWN

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 58,5W

MAJORITY UP (70/30)
UP + DOWN/CRI 90
4316 + 1851 lm / 3000K
4413 + 1892 lm / 3500K
4531 + 1942 lm / 4000K

MAJORITY DOWN (40/60)
UP + DOWN/CRI 90
2588 + 3913 lm / 3000K
2621 + 3942 lm / 3500K
2733 + 4100 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 58,5W

MAJORITY UP (70/30)
UP + DOWN/CRI 98
3809 + 1633 lm / 3000K
3911 + 1671 lm / 3500K
4022 + 1725 lm / 4000K

MAJORITY DOWN (40/60)
UP + DOWN/CRI 98
2122 + 3185 lm / 3000K
2238 + 3358 lm / 3500K
2081 + 3122 lm / 4000K

WORKMATES SUSPENSION UP&DOWN SMART

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY

32,5W
UP/CRI 90
4281 lm / 3000K
4339 lm / 3500K
4397 lm / 4000K

26W
DOWN/CRI 90
4061 lm / 3000K
4090 lm / 3500K
4157 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM

32,5W
UP/CRI 98
4281 lm / 3000K
4339 lm / 3500K
4397 lm / 4000K

26W
DOWN/CRI 98
2976 lm / 3000K
3005 lm / 3500K
3034 lm / 4000K

WORKMATES SUSPENSION UP&DOWN TUNABLE WHITE / TUNABLE WHITE SMART

LIGHT SOURCE
TOP LED
HIGH EFFICIENCY

Up to 23W
UP/CRI 90
3619 lm / 2700-5700K

26W
DOWN/CRI 90
4061 lm / 3000K
4090 lm / 3500K
4157 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM

Up to 23W
UP/CRI 90
3619 lm / 2700-5700K

26W
DOWN/CRI 98
2976 lm / 3000K
3005 lm / 3500K
3034 lm / 4000K

NEW

WORKMATES TRACK SMALL

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 15,5W	Up to 15,5W
CRI 90	CRI 98
1817 lm / 3000K	1346 lm / 3000K
1831 lm / 3500K	1357 lm / 3500K
1858 lm / 4000K	1369 lm / 4000K

WORKMATES TRACK LARGE

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 22W	Up to 22W
CRI 90	CRI 98
2726 lm / 3000K	2018 lm / 3000K
2758 lm / 3500K	2036 lm / 3500K
2786 lm / 4000K	2053 lm / 4000K

WORKMATES IN-TRACK SMALL

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 15,5W	Up to 15,5W
CRI 90	CRI 98
1817 lm / 3000K	1346 lm / 3000K
1831 lm / 3500K	1357 lm / 3500K
1858 lm / 4000K	1369 lm / 4000K

WORKMATES IN-TRACK LARGE

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 22W	Up to 22W
CRI 90	CRI 98
2726 lm / 3000K	2018 lm / 3000K
2758 lm / 3500K	2036 lm / 3500K
2786 lm / 4000K	2053 lm / 4000K

THE RUNNING MAGNET

WORKMATES SMALL

WORKMATES LARGE

* Siehe The Running Magnet / Refer to The Running Magnet chapter

NEW

WORKMATES

DESIGNED BY FLOS ARCHITECTURAL

WORKMATES FLOOR SINGLE

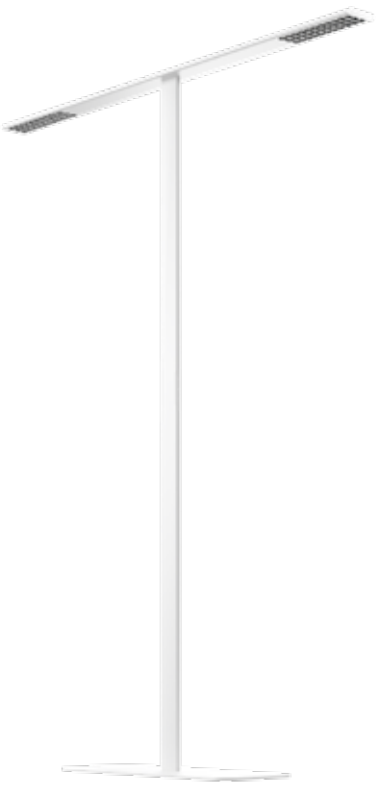
WORKMATES FLOOR SINGLE / SINGLE SMART

LIGHT SOURCE	**LIGHT SOURCE**
TOP LED	TOP LED
UP HIGH EFFICIENCY	UP HIGH EFFICIENCY
DOWN HIGH EFFICIENCY	DOWN FULL SPECTRUM
65,4W	65,4W
UP/CRI 90	UP/CRI 90
DOWN/CRI 90	DOWN/CRI 98
11359 lm / 3000K	10161 lm / 3000K
11474 lm / 3500K	10264 lm / 3500K
11957 lm / 4000K	10718 lm / 4000K

WORKMATES FLOOR SINGLE TUNABLE WHITE / TUNABLE WHITE SMART

LIGHT SOURCE	**LIGHT SOURCE**
TOP LED	TOP LED
UP HIGH EFFICIENCY	UP HIGH EFFICIENCY
DOWN HIGH EFFICIENCY	DOWN FULL SPECTRUM
57,7W	57,7W
UP/2700K-5700K/CRI90	UP/2700K-5700K/CRI90
DOWN/CRI 90	DOWN/CRI 98
9127 lm / 3000K	7929 lm / 3000K
9219 lm / 3500K	8008 lm / 3500K
9594 lm / 4000K	8355 lm / 4000K

WORKMATES FLOOR DOUBLE



WORKMATES FLOOR DOUBLE / DOUBLE SMART

LIGHT SOURCE	**LIGHT SOURCE**
TOP LED	TOP LED
UP HIGH EFFICIENCY	UP HIGH EFFICIENCY
DOWN HIGH EFFICIENCY	DOWN FULL SPECTRUM
112W	112W
UP/CRI 90	UP/CRI 90
DOWN/CRI 90	DOWN/CRI 98
22718 lm / 3000K	20322 lm / 3000K
22948 lm / 3500K	20528 lm / 3500K
23914 lm / 4000K	21436 lm / 4000K

WORKMATES FLOOR DOUBLE TUNABLE WHITE / TUNABLE WHITE SMART

LIGHT SOURCE	**LIGHT SOURCE**
TOP LED	TOP LED
UP HIGH EFFICIENCY	UP HIGH EFFICIENCY
DOWN HIGH EFFICIENCY	DOWN FULL SPECTRUM
96W	96W
UP/2700K-5700K/CRI90	UP/2700K-5700K/CRI90
DOWN/CRI 90	DOWN/CRI 98
18254 lm / 3000K	15858 lm / 3000K
18438 lm / 3500K	16016 lm / 3500K
19188 lm / 4000K	16710 lm / 4000K

NEW

Workmates suspension

All White | White | Black | Anodized Silver

Workmates Surface

All White | White | Black | Anodized Silver

Workmates Track

All White | White | Black | Anodized Silver

Workmates In-Track

All White | White | Black | Anodized Silver

Workmates Floor

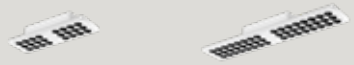
All White | White | Black

NEW

HOW TO ORDER

1 SELECT MOUNTING / MODEL

Ceiling Surface



Small Large

Three Phase Track

Small Large

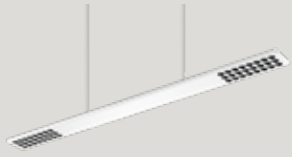
Three Phase In-Track

Small Large

The Running Magnet

Small Large

Suspension



Down / Up & Down

Floor

Single Double

2 SELECT LED SOURCE & OPTICS (DOWN LIGHT)

High-efficiency LED

3000 K / 3500 K / 4000 K

Optics

Ceiling Surface

WIDE FLOOD OVAL

All Tracks / Suspension

WIDE FLOOD OVAL HIGH COMFORT

Floor

ASYMM.

Full Spectrum LED

3000 K / 3500 K / 4000 K

Optics

Ceiling Surface

WIDE FLOOD OVAL

All Tracks / Suspension

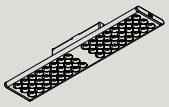
WIDE FLOOD OVAL HIGH COMFORT

Floor

ASYMM.

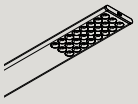
3 SELECT SPECIAL FEATURES

Ceiling Surface / All Tracks



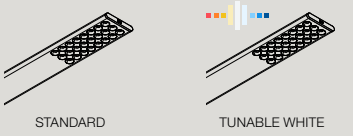
STANDARD

Suspension Down

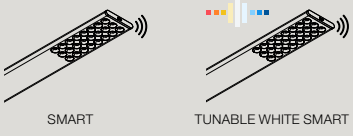


STANDARD

Suspension Up & Down

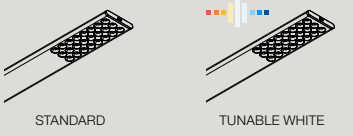


STANDARD TUNABLE WHITE

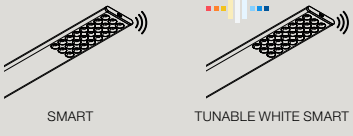


SMART TUNABLE WHITE SMART

Floor



STANDARD TUNABLE WHITE



SMART TUNABLE WHITE SMART

HOW TO ORDER

NEW

4 SELECT DIM CONTROL

Ceiling Surface / Three Phase Track

NO DIM DALI CASAMBI

In-Track

NO DIM DALI

The Running Magnet

NO DIM DALI 1-10V CASAMBI

Suspension Down

NO DIM / DALI CASAMBI

Suspension Up & Down

STANDARD

NO DIM / DALI CASAMBI

TUNABLE WHITE

DALI CASAMBI

SMART & TUNABLE WHITE SMART

CASAMBI

Floor

STANDARD & TUNABLE WHITE

TOUCH DIM CASAMBI

SMART & TUNABLE WHITE SMART

CASAMBI

5 SELECT POWER SUPPLY & BASE

Ceiling Surface / Tracks

POWER SUPPLY INCLUDED

Suspension

Remote Power Supply Kit

Surface Power Supply Kit

Recessed Power Supply Kit

Floor Single

POWER SUPPLY INCLUDED

Solid Base Plate

Open Base Plate

Floor Double

Power Supply

NOT INCLUDED

Solid Base Plate Open Base Plate

6 FINISHES

Ceiling Surface / All Tracks / Suspension

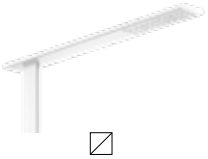
All White

White

Black

Anodized Silver

Floor



All White

White

Black

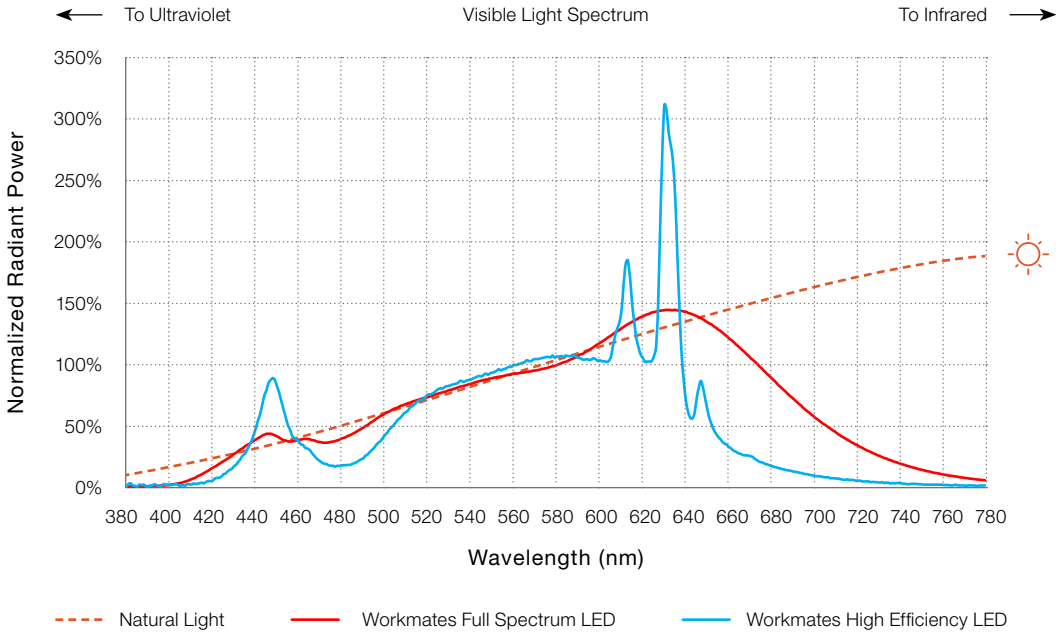
NLAS (Natural Light Average Secondment)

Alle Leuchten aus dem Ökosystem Workmates sind mit LED-Lichtquellen *High Efficiency* und *Full Spectrum* ausgestattet. Mit der ersten Option wird eine hervorragende Leistung in Bezug auf Lm/W erreicht, während mit der Option *Full Spectrum* ein perfekter *NLAS*-Index *(Natural Light Average Secondment)* erzielt wird.

Innerhalb des sichtbaren Spektrums der Lichtstrahlung beschreibt das natürliche Licht einen sehr präzisen Weg. Die für Workmates erhältliche LED-Option *Full Spectrum* spiegelt das getreue Verhalten von künstlichem Licht im Vergleich zu natürlichem Licht wider. Auf diese Weise trägt sie dazu bei, das Wohlbefinden zu verbessern und das natürliche Schema der circadianen Beleuchtung zu beachten.

All the lights in the Workmates ecosystem are fitted with *High Efficiency* and *Full Spectrum* LED light sources. With the former, you get excellent performance in terms of lm/W, while with the *Full Spectrum* option, you get the perfect NLAS (Natural Light Average Secondment) index.

Natural light sets a very precise path within the visible light spectrum. The "*Full Spectrum*" LED option, available for Workmates, reflects the most accurate behaviour of artificial light compared with the performance of natural light. It therefore helps improve human well-being and respect the natural schemes of circadian lighting.

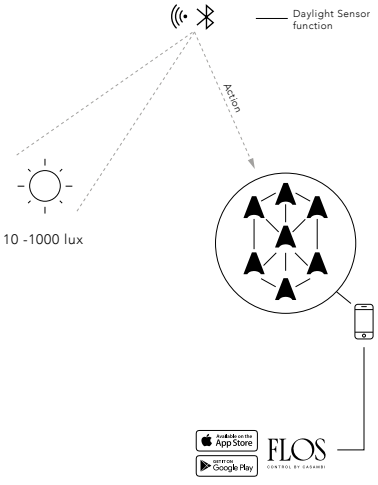


Smart Lighting

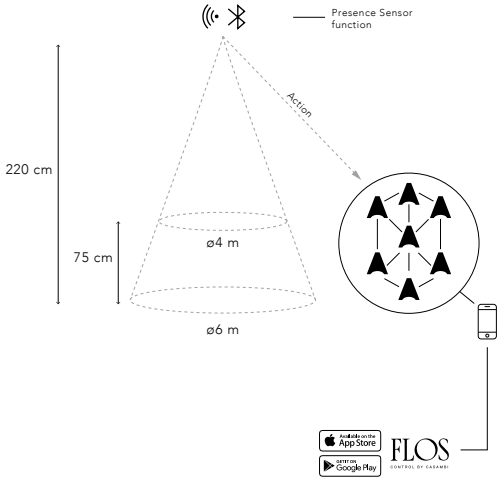
Mit den Steuerungssystemen *Dali* und dem drahtlosen *Casambi* verfügt Workmates über integrierte oder externe Sensoren, um die gewünschten Lichtstimmungen für jede Situation zu aktivieren. Alles als Reaktion auf die Erkennung von Anwesenheit, Abwesenheit oder gewünschten Helligkeitsschwellenwerten.

With its *Dali* and wireless *Casambi* control systems, Workmates has built-in or external sensors to activate the desired lighting scenarios for each situation. All of it triggered by presence or absence detection, or the desired brightness thresholds.

Daylight Sensor



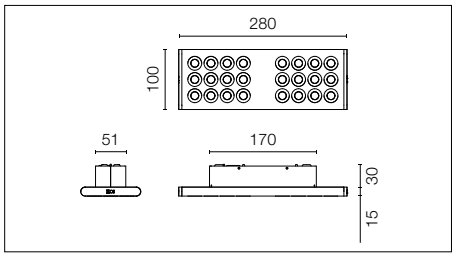
Presence Sensor

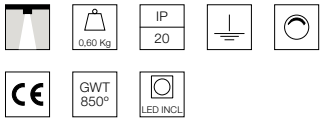


▲ Casambi object

Workmates Surface Small

Top LED High Efficiency 14W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90





Deckenaufsatzleuchte. Hocheffiziente Lichtquelle. Integrierter Treiber. *Casambi*-Version für drahtlose Steuerung verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65º<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Ceiling surface luminaire. High-efficiency light source. Integrated driver. *Casambi* version available for wireless control. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Non Dimming

- 05.6200.40
- 05.6200.40.78
- 05.6200.14
- 05.6200.AP

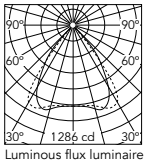
Dali 2

- 05.6200.40.DA
- 05.6200.40.YU
- 05.6200.14.DA
- 05.6200.AP.DA

Casambi

- 05.6200.40.CB
- 05.6200.40.C6
- 05.6200.14.CB
- 05.6200.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1768 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1143	1.55
2	286	3.10
3	127	4.66
4	71	6.21
5	46	7.76

Optic Oval - 3000K

Non Dimming

- 05.6205.40
- 05.6205.40.78
- 05.6205.14
- 05.6205.AP

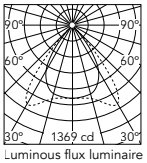
Dali 2

- 05.6205.40.DA
- 05.6205.40.YU
- 05.6205.14.DA
- 05.6205.AP.DA

Casambi

- 05.6205.40.CB
- 05.6205.40.C6
- 05.6205.14.CB
- 05.6205.AP.CB

72° OVAL



Luminous flux luminaire 1720 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	1099	1.45
2	274	2.89
3	122	4.34
4	68	5.78
5	44	7.23

Optic Wide Flood - 3500K

Non Dimming

- 05.6201.40
- 05.6201.40.78
- 05.6201.14
- 05.6201.AP

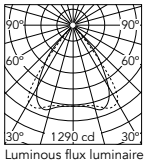
Dali 2

- 05.6201.40.DA
- 05.6201.40.YU
- 05.6201.14.DA
- 05.6201.AP.DA

Casambi

- 05.6201.40.CB
- 05.6201.40.C6
- 05.6201.14.CB
- 05.6201.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1773 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1146	1.55
2	286	3.10
3	127	4.66
4	72	6.21
5	46	7.76

Optic Oval - 3500K

Non Dimming

- 05.6206.40
- 05.6206.40.78
- 05.6206.14
- 05.6206.AP

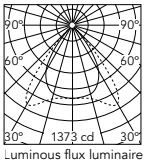
Dali 2

- 05.6206.40.DA
- 05.6206.40.YU
- 05.6206.14.DA
- 05.6206.AP.DA

Casambi

- 05.6206.40.CB
- 05.6206.40.C6
- 05.6206.14.CB
- 05.6206.AP.CB

72° OVAL



Luminous flux luminaire 1725 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	1096	1.45
2	275	2.89
3	122	4.34
4	69	5.78
5	44	7.23

Optic Wide Flood - 4000K

Non Dimming

- 05.6202.40
- 05.6202.40.78
- 05.6202.14
- 05.6202.AP

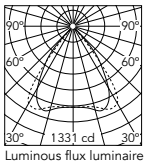
Dali 2

- 05.6202.40.DA
- 05.6202.40.YU
- 05.6202.14.DA
- 05.6202.AP.DA

Casambi

- 05.6202.40.CB
- 05.6202.40.C6
- 05.6202.14.CB
- 05.6202.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1830 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1183	1.55
2	296	3.10
3	131	4.66
4	74	6.21
5	47	7.76

Optic Oval - 4000K

Non Dimming

- 05.6207.40
- 05.6207.40.78
- 05.6207.14
- 05.6207.AP

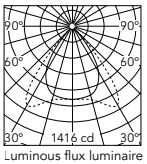
Dali 2

- 05.6207.40.DA
- 05.6207.40.YU
- 05.6207.14.DA
- 05.6207.AP.DA

Casambi

- 05.6207.40.CB
- 05.6207.40.C6
- 05.6207.14.CB
- 05.6207.AP.CB

72° OVAL



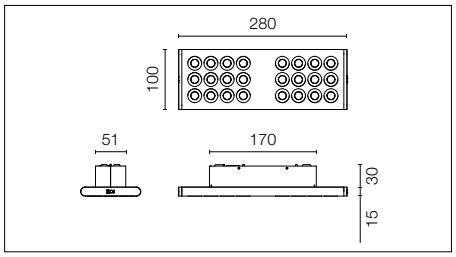
Luminous flux luminaire 1780 lm

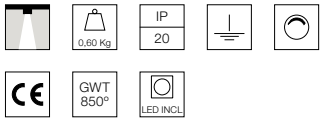
Beam Angle:		72°
h(m)	E(lx)	D(m)
1	1134	1.45
2	283	2.89
3	126	4.34
4	71	5.78
5	45	7.23

NEW

Workmates Surface Small

Top LED Full Spectrum 14W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98





Deckenaufsatzleuchte. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Integrierter Treiber. *Casambi*-Version für drahtlose Steuerung verfügbar. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Ceiling surface luminaire. High-quality colour rendering *Full Spectrum* light source. Integrated driver. *Casambi* version available for wireless control. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

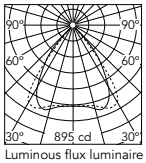
Optic Wide Flood - 3000K

Non Dimming
- 05.6210.40
- 05.6210.40.78
- 05.6210.14
- 05.6210.AP

Dali 2
- 05.6210.40.DA
- 05.6210.40.YU
- 05.6210.14.DA
- 05.6210.AP.DA

Casambi
- 05.6210.40.CB
- 05.6210.40.C6
- 05.6210.14.CB
- 05.6210.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1231 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

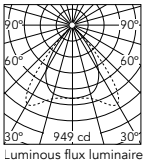
Optic Oval - 3000K

Non Dimming
- 05.6215.40
- 05.6215.40.78
- 05.6215.14
- 05.6215.AP

Dali 2
- 05.6215.40.DA
- 05.6215.40.YU
- 05.6215.14.DA
- 05.6215.AP.DA

Casambi
- 05.6215.40.CB
- 05.6215.40.C6
- 05.6215.14.CB
- 05.6215.AP.CB

72° OVAL



Luminous flux luminaire 1192 lm

Beam Angle: 72°

h(m)	E(lx)	D(m)
1	759	1.45
2	190	2.89
3	84	4.34
4	47	5.78
5	30	7.23

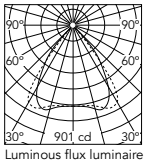
Optic Wide Flood - 3500K

Non Dimming
- 05.6211.40
- 05.6211.40.78
- 05.6211.14
- 05.6211.AP

Dali 2
- 05.6211.40.DA
- 05.6211.40.YU
- 05.6211.14.DA
- 05.6211.AP.DA

Casambi
- 05.6211.40.CB
- 05.6211.40.C6
- 05.6211.14.CB
- 05.6211.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1238 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

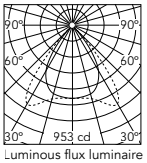
Optic Oval - 3500K

Non Dimming
- 05.6216.40
- 05.6216.40.78
- 05.6216.14
- 05.6216.AP

Dali 2
- 05.6216.40.DA
- 05.6216.40.YU
- 05.6216.14.DA
- 05.6216.AP.DA

Casambi
- 05.6216.40.CB
- 05.6216.40.C6
- 05.6216.14.CB
- 05.6216.AP.CB

72° OVAL



Luminous flux luminaire 1198 lm

Beam Angle: 72°

h(m)	E(lx)	D(m)
1	763	1.45
2	191	2.89
3	85	4.34
4	48	5.78
5	31	7.23

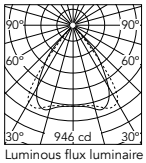
Optic Wide Flood - 4000K

Non Dimming
- 05.6212.40
- 05.6212.40.78
- 05.6212.14
- 05.6212.AP

Dali 2
- 05.6212.40.DA
- 05.6212.40.YU
- 05.6212.14.DA
- 05.6212.AP.DA

Casambi
- 05.6212.40.CB
- 05.6212.40.C6
- 05.6212.14.CB
- 05.6212.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1300 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

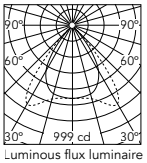
Optic Oval - 4000K

Non Dimming
- 05.6217.40
- 05.6217.40.78
- 05.6217.14
- 05.6217.AP

Dali 2
- 05.6217.40.DA
- 05.6217.40.YU
- 05.6217.14.DA
- 05.6217.AP.DA

Casambi
- 05.6217.40.CB
- 05.6217.40.C6
- 05.6217.14.CB
- 05.6217.AP.CB

72° OVAL



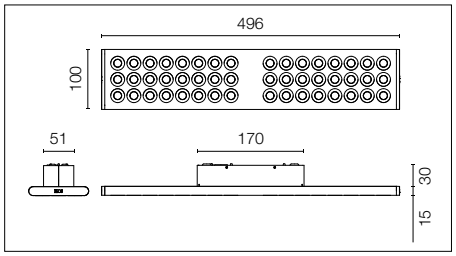
Luminous flux luminaire 1256 lm

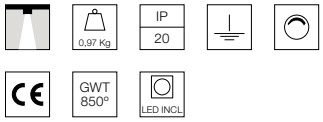
Beam Angle: 72°

h(m)	E(lx)	D(m)
1	800	1.45
2	200	2.89
3	89	4.34
4	50	5.78
5	32	7.23

Workmates Surface Large

Top LED High Efficiency 28W - 3634 lm - 3000K/CRI 90 / 3662 lm - 3500K/CRI 90 / 3717 lm - 4000K/CRI 90





Deckenaufsatzleuchte. Hocheffiziente Lichtquelle. Integrierter Treiber. *Casambi*-Version für drahtlose Steuerung verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Ceiling surface luminaire. High-efficiency light source. Integrated driver. *Casambi* version available for wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Non Dimming

- 05.6220.40
- 05.6220.40.78
- 05.6220.14
- 05.6220.AP

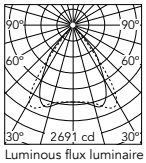
Dali 2

- 05.6220.40.DA
- 05.6220.40.YU
- 05.6220.14.DA
- 05.6220.AP.DA

Casambi

- 05.6220.40.CB
- 05.6220.40.C6
- 05.6220.14.CB
- 05.6220.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 3392 lm

Beam Angle:	73°	
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Oval - 3000K

Non Dimming

- 05.6225.40
- 05.6225.40.78
- 05.6225.14
- 05.6225.AP

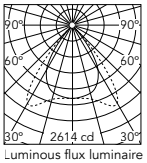
Dali 2

- 05.6225.40.DA
- 05.6225.40.YU
- 05.6225.14.DA
- 05.6225.AP.DA

Casambi

- 05.6225.40.CB
- 05.6225.40.C6
- 05.6225.14.CB
- 05.6225.AP.CB

71° OVAL



Luminous flux luminaire 3216 lm

Beam Angle:	71°	
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic Wide Flood - 3500K

Non Dimming

- 05.6221.40
- 05.6221.40.78
- 05.6221.14
- 05.6221.AP

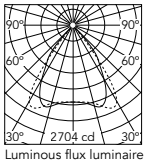
Dali 2

- 05.6221.40.DA
- 05.6221.40.YU
- 05.6221.14.DA
- 05.6221.AP.DA

Casambi

- 05.6221.40.CB
- 05.6221.40.C6
- 05.6221.14.CB
- 05.6221.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 3408 lm

Beam Angle:	73°	
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Oval - 3500K

Non Dimming

- 05.6226.40
- 05.6226.40.78
- 05.6226.14
- 05.6226.AP

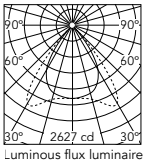
Dali 2

- 05.6226.40.DA
- 05.6226.40.YU
- 05.6226.14.DA
- 05.6226.AP.DA

Casambi

- 05.6226.40.CB
- 05.6226.40.C6
- 05.6226.14.CB
- 05.6226.AP.CB

71° OVAL



Luminous flux luminaire 3232 lm

Beam Angle:	71°	
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic Wide Flood - 4000K

Non Dimming

- 05.6222.40
- 05.6222.40.78
- 05.6222.14
- 05.6222.AP

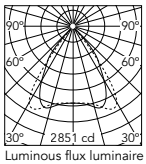
Dali 2

- 05.6222.40.DA
- 05.6222.40.YU
- 05.6222.14.DA
- 05.6222.AP.DA

Casambi

- 05.6222.40.CB
- 05.6222.40.C6
- 05.6222.14.CB
- 05.6222.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 3594 lm

Beam Angle:	73°	
h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic Oval - 4000K

Non Dimming

- 05.6227.40
- 05.6227.40.78
- 05.6227.14
- 05.6227.AP

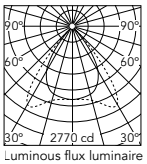
Dali 2

- 05.6227.40.DA
- 05.6227.40.YU
- 05.6227.14.DA
- 05.6227.AP.DA

Casambi

- 05.6227.40.CB
- 05.6227.40.C6
- 05.6227.14.CB
- 05.6227.AP.CB

71° OVAL



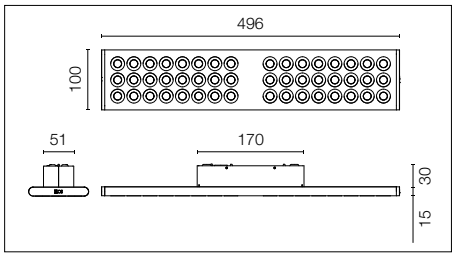
Luminous flux luminaire 3408 lm

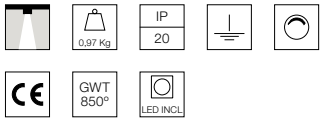
Beam Angle:	71°	
h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

NEW

Workmates Surface Large

Top LED Full Spectrum 28W - 2691 lm - 3000K/CRI 98 / 2714 lm - 3500K/CRI 98 / 2737 lm - 4000K/CRI 98





Deckenaufsatzleuchte. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Integrierter Treiber. *Casambi*-Version für drahtlose Steuerung verfügbar. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Ceiling surface luminaire. High-quality colour rendering *Full Spectrum* light source. Integrated driver. *Casambi* version available for wireless control. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

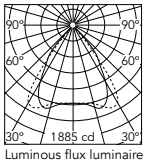
Optic Wide Flood - 3000K

Non Dimming
- 05.6230.40
- 05.6230.40.78
- 05.6230.14
- 05.6230.AP

Dali 2
- 05.6230.40.DA
- 05.6230.40.YU
- 05.6230.14.DA
- 05.6230.AP.DA

Casambi
- 05.6230.40.CB
- 05.6230.40.C6
- 05.6230.14.CB
- 05.6230.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 2464 lm

Beam Angle:	73°
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

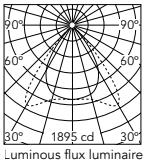
Optic Oval - 3000K

Non Dimming
- 05.6235.40
- 05.6235.40.78
- 05.6235.14
- 05.6235.AP

Dali 2
- 05.6235.40.DA
- 05.6235.40.YU
- 05.6235.14.DA
- 05.6235.AP.DA

Casambi
- 05.6235.40.CB
- 05.6235.40.C6
- 05.6235.14.CB
- 05.6235.AP.CB

71° OVAL



Luminous flux luminaire 2365 lm

Beam Angle:	71°
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

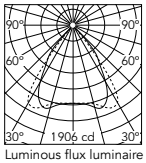
Optic Wide Flood - 3500K

Non Dimming
- 05.6231.40
- 05.6231.40.78
- 05.6231.14
- 05.6231.AP

Dali 2
- 05.6231.40.DA
- 05.6231.40.YU
- 05.6231.14.DA
- 05.6231.AP.DA

Casambi
- 05.6231.40.CB
- 05.6231.40.C6
- 05.6231.14.CB
- 05.6231.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 2491 lm

Beam Angle:	73°
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

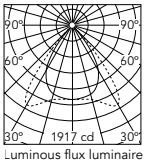
Optic Oval - 3500K

Non Dimming
- 05.6236.40
- 05.6236.40.78
- 05.6236.14
- 05.6236.AP

Dali 2
- 05.6236.40.DA
- 05.6236.40.YU
- 05.6236.14.DA
- 05.6236.AP.DA

Casambi
- 05.6236.40.CB
- 05.6236.40.C6
- 05.6236.14.CB
- 05.6236.AP.CB

71° OVAL



Luminous flux luminaire 2392 lm

Beam Angle:	71°
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

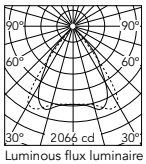
Optic Wide Flood - 4000K

Non Dimming
- 05.6232.40
- 05.6232.40.78
- 05.6232.14
- 05.6232.AP

Dali 2
- 05.6232.40.DA
- 05.6232.40.YU
- 05.6232.14.DA
- 05.6232.AP.DA

Casambi
- 05.6232.40.CB
- 05.6232.40.C6
- 05.6232.14.CB
- 05.6232.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 2701 lm

Beam Angle:	73°
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

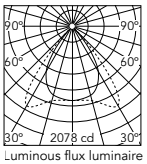
Optic Oval - 4000K

Non Dimming
- 05.6237.40
- 05.6237.40.78
- 05.6237.14
- 05.6237.AP

Dali 2
- 05.6237.40.DA
- 05.6237.40.YU
- 05.6237.14.DA
- 05.6237.AP.DA

Casambi
- 05.6237.40.CB
- 05.6237.40.C6
- 05.6237.14.CB
- 05.6237.AP.CB

71° OVAL

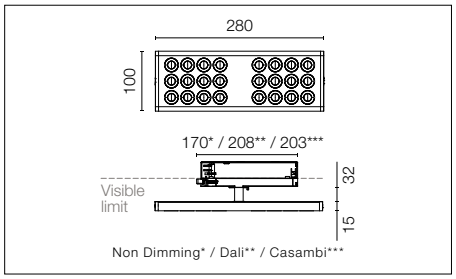


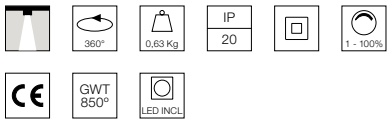
Luminous flux luminaire 2593 lm

Beam Angle:	71°
h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Workmates Track Small

Top LED High Efficiency
Non Dimming: 15,5W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90
Dali 2 / Casambi: 15W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim, Dali und *Casambi* (drahtlos) Steuerung. Hocheffiziente Lichtquelle. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

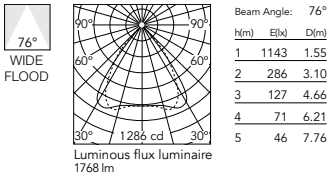
Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Non Dimming
- 05.6240.40
- 05.6240.40.78
- 05.6240.14
- 05.6240.AP

Dali 2
- 05.6240.40.DA
- 05.6240.40.YU
- 05.6240.14.DA
- 05.6240.AP.DA

Casambi
- 05.6240.40.CB
- 05.6240.40.C6
- 05.6240.14.CB
- 05.6240.AP.CB



Beam Angle: 76°

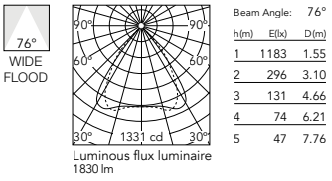
h(m)	E(lx)	D(m)
1	1143	1.55
2	286	3.10
3	127	4.66
4	71	6.21
5	46	7.76

Optic Wide Flood - 4000K

Non Dimming
- 05.6242.40
- 05.6242.40.78
- 05.6242.14
- 05.6242.AP

Dali 2
- 05.6242.40.DA
- 05.6242.40.YU
- 05.6242.14.DA
- 05.6242.AP.DA

Casambi
- 05.6242.40.CB
- 05.6242.40.C6
- 05.6242.14.CB
- 05.6242.AP.CB



Beam Angle: 76°

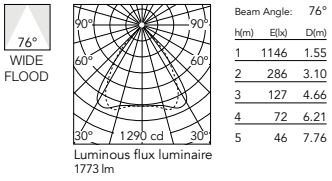
h(m)	E(lx)	D(m)
1	1183	1.55
2	296	3.10
3	131	4.66
4	74	6.21
5	47	7.76

Optic Wide Flood - 3500K

Non Dimming
- 05.6241.40
- 05.6241.40.78
- 05.6241.14
- 05.6241.AP

Dali 2
- 05.6241.40.DA
- 05.6241.40.YU
- 05.6241.14.DA
- 05.6241.AP.DA

Casambi
- 05.6241.40.CB
- 05.6241.40.C6
- 05.6241.14.CB
- 05.6241.AP.CB



Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1146	1.55
2	286	3.10
3	127	4.66
4	72	6.21
5	46	7.76

NEW

Optic Oval - 3000K

Non Dimming

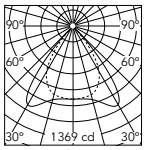
- 05.6245.40
- 05.6245.40.78
- 05.6245.14
- 05.6245.AP

Dali 2

- 05.6245.40.DA
- 05.6245.40.YU
- 05.6245.14.DA
- 05.6245.AP.DA

Casambi

- 05.6245.40.CB
- 05.6245.40.C6
- 05.6245.14.CB
- 05.6245.AP.CB



Luminous flux luminaire
1720 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1096 1.67
2	274 3.34
3	122 5.00
4	68 6.67
5	44 8.34

Optic High Comfort - 3000K

Non Dimming

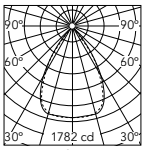
- 05.5740.40
- 05.5740.40.78
- 05.5740.14
- 05.5740.AP

Dali 2

- 05.5740.40.DA
- 05.5740.40.YU
- 05.5740.14.DA
- 05.5740.AP.DA

Casambi

- 05.5740.40.CB
- 05.5740.40.C6
- 05.5740.14.CB
- 05.5740.AP.CB



Luminous flux luminaire
1850 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1780 1.31
2	445 2.61
3	198 3.92
4	111 5.23
5	71 6.54

Optic Oval - 3500K

Non Dimming

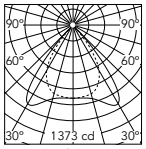
- 05.6246.40
- 05.6246.40.78
- 05.6246.14
- 05.6246.AP

Dali 2

- 05.6246.40.DA
- 05.6246.40.YU
- 05.6246.14.DA
- 05.6246.AP.DA

Casambi

- 05.6246.40.CB
- 05.6246.40.C6
- 05.6246.14.CB
- 05.6246.AP.CB



Luminous flux luminaire
1725 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1099 1.67
2	275 3.34
3	122 5.00
4	69 6.67
5	44 8.34

Optic High Comfort - 3500K

Non Dimming

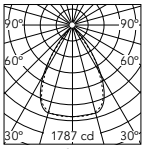
- 05.5741.40
- 05.5741.40.78
- 05.5741.14
- 05.5741.AP

Dali 2

- 05.5741.40.DA
- 05.5741.40.YU
- 05.5741.14.DA
- 05.5741.AP.DA

Casambi

- 05.5741.40.CB
- 05.5741.40.C6
- 05.5741.14.CB
- 05.5741.AP.CB



Luminous flux luminaire
1855 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1785 1.31
2	446 2.61
3	198 3.92
4	112 5.23
5	71 6.54

Optic Oval - 4000K

Non Dimming

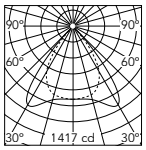
- 05.6247.40
- 05.6247.40.78
- 05.6247.14
- 05.6247.AP

Dali 2

- 05.6247.40.DA
- 05.6247.40.YU
- 05.6247.14.DA
- 05.6247.AP.DA

Casambi

- 05.6247.40.CB
- 05.6247.40.C6
- 05.6247.14.CB
- 05.6247.AP.CB



Luminous flux luminaire
1780 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1134 1.67
2	283 3.34
3	126 5.00
4	71 6.67
5	45 8.34

Optic High Comfort - 4000K

Non Dimming

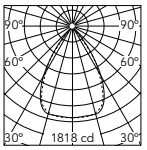
- 05.5742.40
- 05.5742.40.78
- 05.5742.14
- 05.5742.AP

Dali 2

- 05.5742.40.DA
- 05.5742.40.YU
- 05.5742.14.DA
- 05.5742.AP.DA

Casambi

- 05.5742.40.CB
- 05.5742.40.C6
- 05.5742.14.CB
- 05.5742.AP.CB

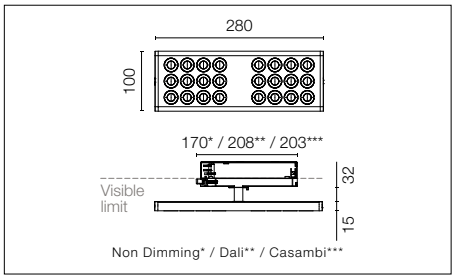


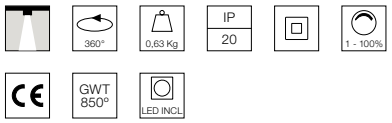
Luminous flux luminaire
1887 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1815 1.31
2	454 2.61
3	202 3.92
4	113 5.23
5	73 6.54

Workmates Track Small

Top LED Full Spectrum
Non Dimming: 15,5W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98
Dali 2 / Casambi: 15W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim, Dali und *Casambi* (drahtlos) Steuerung. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

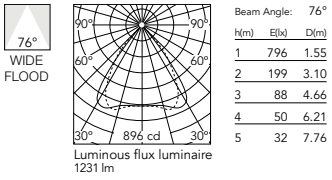
Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Non Dimming
- 05.6250.40
- 05.6250.40.78
- 05.6250.14
- 05.6250.AP

Dali 2
- 05.6250.40.DA
- 05.6250.40.YU
- 05.6250.14.DA
- 05.6250.AP.DA

Casambi
- 05.6250.40.CB
- 05.6250.40.C6
- 05.6250.14.CB
- 05.6250.AP.CB



Beam Angle: 76°

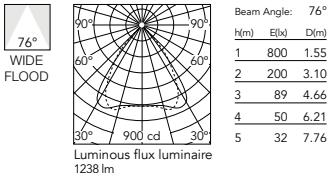
h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

Optic Wide Flood - 3500K

Non Dimming
- 05.6251.40
- 05.6251.40.78
- 05.6251.14
- 05.6251.AP

Dali 2
- 05.6251.40.DA
- 05.6251.40.YU
- 05.6251.14.DA
- 05.6251.AP.DA

Casambi
- 05.6251.40.CB
- 05.6251.40.C6
- 05.6251.14.CB
- 05.6251.AP.CB



Beam Angle: 76°

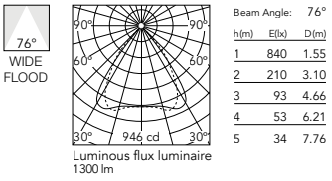
h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

Optic Wide Flood - 4000K

Non Dimming
- 05.6252.40
- 05.6252.40.78
- 05.6252.14
- 05.6252.AP

Dali 2
- 05.6252.40.DA
- 05.6252.40.YU
- 05.6252.14.DA
- 05.6252.AP.DA

Casambi
- 05.6252.40.CB
- 05.6252.40.C6
- 05.6252.14.CB
- 05.6252.AP.CB



Beam Angle: 76°

h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

NEW

Optic Oval - 3000K

Non Dimming

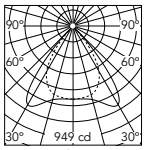
05.6255.40
05.6255.40.78
05.6255.14
05.6255.AP

Dali 2

05.6255.40.DA
05.6255.40.YU
05.6255.14.DA
05.6255.AP.DA

Casambi

05.6255.40.CB
05.6255.40.C6
05.6255.14.CB
05.6255.AP.CB



Luminous flux luminaire
1192 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	759	1.67
2	190	3.34
3	84	5.00
4	47	6.67
5	30	8.34

Optic High Comfort - 3000K

Non Dimming

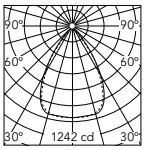
05.5750.40
05.5750.40.78
05.5750.14
05.5750.AP

Dali 2

05.5750.40.DA
05.5750.40.YU
05.5750.14.DA
05.5750.AP.DA

Casambi

05.5750.40.CB
05.5750.40.C6
05.5750.14.CB
05.5750.AP.CB



Luminous flux luminaire
1289 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1240	1.31
2	310	2.61
3	138	3.92
4	77	5.23
5	50	6.54

Optic Oval - 3500K

Non Dimming

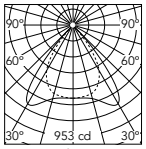
05.6256.40
05.6256.40.78
05.6256.14
05.6256.AP

Dali 2

05.6256.40.DA
05.6256.40.YU
05.6256.14.DA
05.6256.AP.DA

Casambi

05.6256.40.CB
05.6256.40.C6
05.6256.14.CB
05.6256.AP.CB



Luminous flux luminaire
1198 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	763	1.67
2	191	3.34
3	85	5.00
4	48	6.67
5	31	8.34

Optic High Comfort - 3500K

Non Dimming

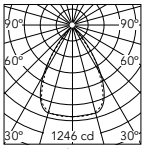
05.5751.40
05.5751.40.78
05.5751.14
05.5751.AP

Dali 2

05.5751.40.DA
05.5751.40.YU
05.5751.14.DA
05.5751.AP.DA

Casambi

05.5751.40.CB
05.5751.40.C6
05.5751.14.CB
05.5751.AP.CB



Luminous flux luminaire
1293 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1244	1.31
2	311	2.61
3	138	3.92
4	78	5.23
5	50	6.54

Optic Oval - 4000K

Non Dimming

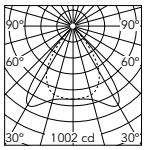
05.6257.40
05.6257.40.78
05.6257.14
05.6257.AP

Dali 2

05.6257.40.DA
05.6257.40.YU
05.6257.14.DA
05.6257.AP.DA

Casambi

05.6257.40.CB
05.6257.40.C6
05.6257.14.CB
05.6257.AP.CB



Luminous flux luminaire
1259 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	802	1.67
2	200	3.34
3	89	5.00
4	50	6.67
5	32	8.34

Optic High Comfort - 4000K

Non Dimming

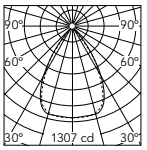
05.5752.40
05.5752.40.78
05.5752.14
05.5752.AP

Dali 2

05.5752.40.DA
05.5752.40.YU
05.5752.14.DA
05.5752.AP.DA

Casambi

05.5752.40.CB
05.5752.40.C6
05.5752.14.CB
05.5752.AP.CB

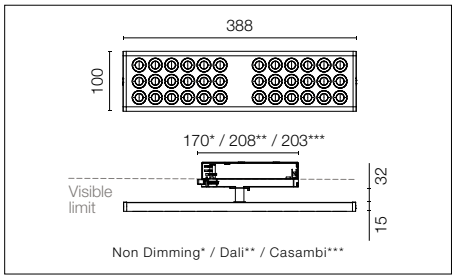


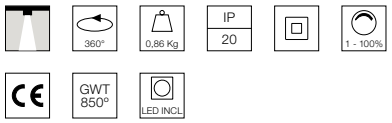
Luminous flux luminaire
1357 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1306	1.31
2	326	2.61
3	145	3.92
4	82	5.23
5	52	6.54

Workmates Track Large

Top LED High Efficiency
Non Dimming: 21W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90
Dali 2 / Casambi: 22W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim, Dali und *Casambi* (drahtlos) Steuerung. Hocheffiziente Lichtquelle. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

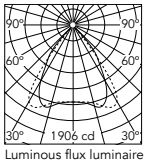
Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Non Dimming
- 05.6260.40
- 05.6260.40.78
- 05.6260.14
- 05.6260.AP

Dali 2
- 05.6260.40.DA
- 05.6260.40.YU
- 05.6260.14.DA
- 05.6260.AP.DA

Casambi
- 05.6260.40.CB
- 05.6260.40.C6
- 05.6260.14.CB
- 05.6260.AP.CB



Luminous flux luminaire
2371 lm

Beam Angle: 73°

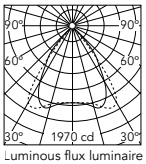
h(m)	E(lx)	D(m)
1	1609	1.48
2	402	2.95
3	179	4.43
4	101	5.91
5	64	7.39

Optic Wide Flood - 4000K

Non Dimming
- 05.6262.40
- 05.6262.40.78
- 05.6262.14
- 05.6262.AP

Dali 2
- 05.6262.40.DA
- 05.6262.40.YU
- 05.6262.14.DA
- 05.6262.AP.DA

Casambi
- 05.6262.40.CB
- 05.6262.40.C6
- 05.6262.14.CB
- 05.6262.AP.CB



Luminous flux luminaire
2450 lm

Beam Angle: 73°

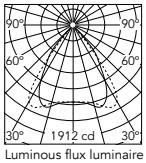
h(m)	E(lx)	D(m)
1	1662	1.48
2	416	2.95
3	185	4.43
4	104	5.91
5	66	7.39

Optic Wide Flood - 3500K

Non Dimming
- 05.6261.40
- 05.6261.40.78
- 05.6261.14
- 05.6261.AP

Dali 2
- 05.6261.40.DA
- 05.6261.40.YU
- 05.6261.14.DA
- 05.6261.AP.DA

Casambi
- 05.6261.40.CB
- 05.6261.40.C6
- 05.6261.14.CB
- 05.6261.AP.CB



Luminous flux luminaire
2378 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1614	1.48
2	403	2.95
3	179	4.43
4	101	5.91
5	65	7.39

NEW

Optic Oval - 3000K

Non Dimming

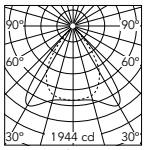
- 05.6265.40
- 05.6265.40.78
- 05.6265.14
- 05.6265.AP

Dali 2

- 05.6265.40.DA
- 05.6265.40.YU
- 05.6265.14.DA
- 05.6265.AP.DA

Casambi

- 05.6265.40.CB
- 05.6265.40.C6
- 05.6265.14.CB
- 05.6265.AP.CB



Luminous flux luminaire
2462 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1577 1.68
2	394 3.36
3	175 5.03
4	99 6.71
5	63 8.39

Optic High Comfort - 3000K

Non Dimming

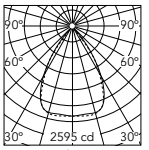
- 05.5760.40
- 05.5760.40.78
- 05.5760.14
- 05.5760.AP

Dali 2

- 05.5760.40.DA
- 05.5760.40.YU
- 05.5760.14.DA
- 05.5760.AP.DA

Casambi

- 05.5760.40.CB
- 05.5760.40.C6
- 05.5760.14.CB
- 05.5760.AP.CB



Luminous flux luminaire
2711 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2563 1.32
2	641 2.64
3	285 3.96
4	160 5.28
5	103 6.61

Optic Oval - 3500K

Non Dimming

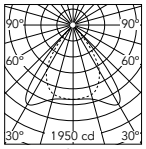
- 05.6266.40
- 05.6266.40.78
- 05.6266.14
- 05.6266.AP

Dali 2

- 05.6266.40.DA
- 05.6266.40.YU
- 05.6266.14.DA
- 05.6266.AP.DA

Casambi

- 05.6266.40.CB
- 05.6266.40.C6
- 05.6266.14.CB
- 05.6266.AP.CB



Luminous flux luminaire
2469 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1582 1.68
2	395 3.36
3	176 5.03
4	99 6.71
5	63 8.39

Optic High Comfort - 3500K

Non Dimming

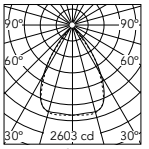
- 05.5761.40
- 05.5761.40.78
- 05.5761.14
- 05.5761.AP

Dali 2

- 05.5761.40.DA
- 05.5761.40.YU
- 05.5761.14.DA
- 05.5761.AP.DA

Casambi

- 05.5761.40.CB
- 05.5761.40.C6
- 05.5761.14.CB
- 05.5761.AP.CB



Luminous flux luminaire
2718 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2571 1.32
2	643 2.64
3	286 3.96
4	161 5.28
5	103 6.61

Optic Oval - 4000K

Non Dimming

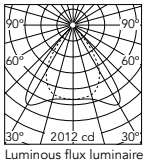
- 05.6267.40
- 05.6267.40.78
- 05.6267.14
- 05.6267.AP

Dali 2

- 05.6267.40.DA
- 05.6267.40.YU
- 05.6267.14.DA
- 05.6267.AP.DA

Casambi

- 05.6267.40.CB
- 05.6267.40.C6
- 05.6267.14.CB
- 05.6267.AP.CB



Luminous flux luminaire
2548 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1632 1.68
2	408 3.36
3	181 5.03
4	102 6.71
5	65 8.39

Optic High Comfort - 4000K

Non Dimming

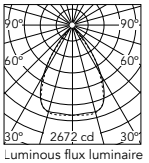
- 05.5762.40
- 05.5762.40.78
- 05.5762.14
- 05.5762.AP

Dali 2

- 05.5762.40.DA
- 05.5762.40.YU
- 05.5762.14.DA
- 05.5762.AP.DA

Casambi

- 05.5762.40.CB
- 05.5762.40.C6
- 05.5762.14.CB
- 05.5762.AP.CB

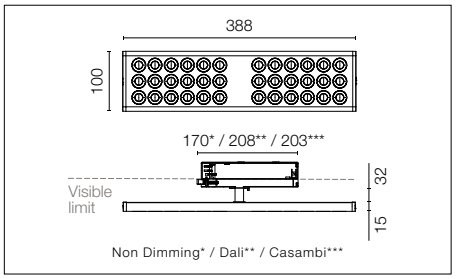


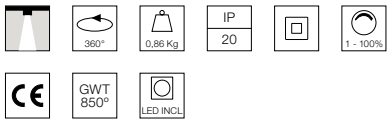
Luminous flux luminaire
2790 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2639 1.32
2	660 2.64
3	293 3.96
4	165 5.28
5	106 6.61

Workmates Track Large

Top LED Full Spectrum
Non Dimming: 21W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98
Dali 2 / Casambi: 22W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim, Dali und *Casambi* (drahtlos) Steuerung. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

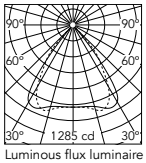
Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Non Dimming
- 05.6270.40
- 05.6270.40.78
- 05.6270.14
- 05.6270.AP

Dali 2
- 05.6270.40.DA
- 05.6270.40.YU
- 05.6270.14.DA
- 05.6270.AP.DA

Casambi
- 05.6270.40.CB
- 05.6270.40.C6
- 05.6270.14.CB
- 05.6270.AP.CB



Luminous flux luminaire
1761 lm

Beam Angle: 75°

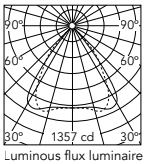
h(m)	E(lx)	D(m)
1	1155	1.55
2	289	3.09
3	128	4.64
4	72	6.18
5	46	7.73

Optic Wide Flood - 4000K

Non Dimming
- 05.6272.40
- 05.6272.40.78
- 05.6272.14
- 05.6272.AP

Dali 2
- 05.6272.40.DA
- 05.6272.40.YU
- 05.6272.14.DA
- 05.6272.AP.DA

Casambi
- 05.6272.40.CB
- 05.6272.40.C6
- 05.6272.14.CB
- 05.6272.AP.CB



Luminous flux luminaire
1860 lm

Beam Angle: 75°

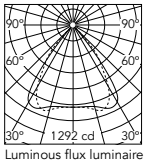
h(m)	E(lx)	D(m)
1	1219	1.55
2	305	3.09
3	135	4.64
4	76	6.18
5	49	7.73

Optic Wide Flood - 3500K

Non Dimming
- 05.6271.40
- 05.6271.40.78
- 05.6271.14
- 05.6271.AP

Dali 2
- 05.6271.40.DA
- 05.6271.40.YU
- 05.6271.14.DA
- 05.6271.AP.DA

Casambi
- 05.6271.40.CB
- 05.6271.40.C6
- 05.6271.14.CB
- 05.6271.AP.CB



Luminous flux luminaire
1770 lm

Beam Angle: 75°

h(m)	E(lx)	D(m)
1	1160	1.55
2	290	3.09
3	129	4.64
4	73	6.18
5	46	7.73

NEW

Optic Oval - 3000K

Non Dimming

- 05.6275.40
- 05.6275.40.78
- 05.6275.14
- 05.6275.AP

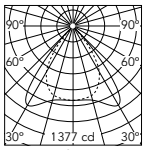
Dali 2

- 05.6275.40.DA
- 05.6275.40.YU
- 05.6275.14.DA
- 05.6275.AP.DA

Casambi

- 05.6275.40.CB
- 05.6275.40.C6
- 05.6275.14.CB
- 05.6275.AP.CB

80° OVAL



Luminous flux luminaire
1744 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1117	1.68
2	279	3.36
3	124	5.03
4	70	6.71
5	45	8.39

Optic High Comfort - 3000K

Non Dimming

- 05.5770.40
- 05.5770.40.78
- 05.5770.14
- 05.5770.AP

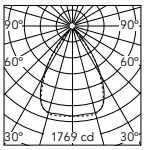
Dali 2

- 05.5770.40.DA
- 05.5770.40.YU
- 05.5770.14.DA
- 05.5770.AP.DA

Casambi

- 05.5770.40.CB
- 05.5770.40.C6
- 05.5770.14.CB
- 05.5770.AP.CB

67° HIGH COMFORT



Luminous flux luminaire
1848 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1747	1.32
2	437	2.64
3	194	3.96
4	109	5.28
5	70	6.61

Optic Oval - 3500K

Non Dimming

- 05.6276.40
- 05.6276.40.78
- 05.6276.14
- 05.6276.AP

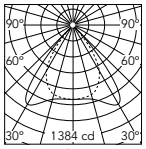
Dali 2

- 05.6276.40.DA
- 05.6276.40.YU
- 05.6276.14.DA
- 05.6276.AP.DA

Casambi

- 05.6276.40.CB
- 05.6276.40.C6
- 05.6276.14.CB
- 05.6276.AP.CB

80° OVAL



Luminous flux luminaire
1753 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1123	1.68
2	281	3.36
3	125	5.03
4	70	6.71
5	45	8.39

Optic High Comfort - 3500K

Non Dimming

- 05.5771.40
- 05.5771.40.78
- 05.5771.14
- 05.5771.AP

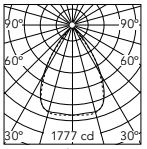
Dali 2

- 05.5771.40.DA
- 05.5771.40.YU
- 05.5771.14.DA
- 05.5771.AP.DA

Casambi

- 05.5771.40.CB
- 05.5771.40.C6
- 05.5771.14.CB
- 05.5771.AP.CB

67° HIGH COMFORT



Luminous flux luminaire
1856 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1755	1.32
2	439	2.64
3	195	3.96
4	110	5.28
5	70	6.61

Optic Oval - 4000K

Non Dimming

- 05.6277.40
- 05.6277.40.78
- 05.6277.14
- 05.6277.AP

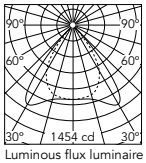
Dali 2

- 05.6277.40.DA
- 05.6277.40.YU
- 05.6277.14.DA
- 05.6277.AP.DA

Casambi

- 05.6277.40.CB
- 05.6277.40.C6
- 05.6277.14.CB
- 05.6277.AP.CB

80° OVAL



Luminous flux luminaire
1842 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1180	1.68
2	295	3.36
3	131	5.03
4	74	6.71
5	47	8.39

Optic High Comfort - 4000K

Non Dimming

- 05.5772.40
- 05.5772.40.78
- 05.5772.14
- 05.5772.AP

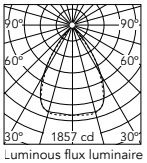
Dali 2

- 05.5772.40.DA
- 05.5772.40.YU
- 05.5772.14.DA
- 05.5772.AP.DA

Casambi

- 05.5772.40.CB
- 05.5772.40.C6
- 05.5772.14.CB
- 05.5772.AP.CB

67° HIGH COMFORT

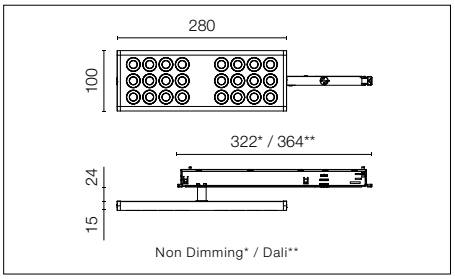


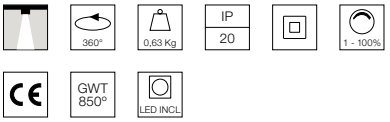
Luminous flux luminaire
1939 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1834	1.32
2	458	2.64
3	204	3.96
4	115	5.28
5	73	6.61

Workmates In-Track Small

Top LED High Efficiency
Non Dimming: 15,5W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90
Dali 2: 15W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. Hocheffiziente Lichtquelle. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

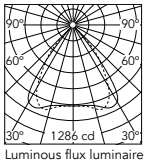
Optic Wide Flood - 3000K

Non Dimming

05.6280.40
05.6280.40.78
05.6280.14
05.6280.AP

Dali 2

05.6280.40.DA
05.6280.40.YU
05.6280.14.DA
05.6280.AP.DA



Luminous flux luminaire
1768 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1143	1.55
2	286	3.10
3	127	4.66
4	71	6.21
5	46	7.76

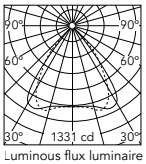
Optic Wide Flood - 4000K

Non Dimming

05.6282.40
05.6282.40.78
05.6282.14
05.6282.AP

Dali 2

05.6282.40.DA
05.6282.40.YU
05.6282.14.DA
05.6282.AP.DA



Luminous flux luminaire
1830 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1183	1.55
2	296	3.10
3	131	4.66
4	74	6.21
5	47	7.76

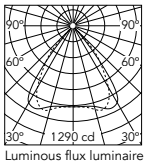
Optic Wide Flood - 3500K

Non Dimming

05.6281.40
05.6281.40.78
05.6281.14
05.6281.AP

Dali 2

05.6281.40.DA
05.6281.40.YU
05.6281.14.DA
05.6281.AP.DA



Luminous flux luminaire
1773 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1146	1.55
2	286	3.10
3	127	4.66
4	72	6.21
5	46	7.76

NEW

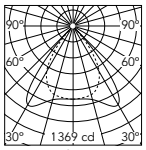
Optic Oval - 3000K

Non Dimming

- 05.6285.40
- 05.6285.40.78
- 05.6285.14
- 05.6285.AP

Dali 2

- 05.6285.40.DA
- 05.6285.40.YU
- 05.6285.14.DA
- 05.6285.AP.DA



Luminous flux luminaire
1720 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1096	1.67
2	274	3.34
3	122	5.00
4	68	6.67
5	44	8.34

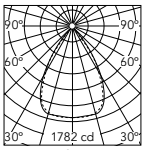
Optic High Comfort - 3000K

Non Dimming

- 05.5780.40
- 05.5780.40.78
- 05.5780.14
- 05.5780.AP

Dali 2

- 05.5780.40.DA
- 05.5780.40.YU
- 05.5780.14.DA
- 05.5780.AP.DA



Luminous flux luminaire
1850 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1780	1.31
2	445	2.61
3	198	3.92
4	111	5.23
5	71	6.54

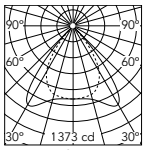
Optic Oval - 3500K

Non Dimming

- 05.6286.40
- 05.6286.40.78
- 05.6286.14
- 05.6286.AP

Dali 2

- 05.6286.40.DA
- 05.6286.40.YU
- 05.6286.14.DA
- 05.6286.AP.DA



Luminous flux luminaire
1725 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1099	1.67
2	275	3.34
3	122	5.00
4	69	6.67
5	44	8.34

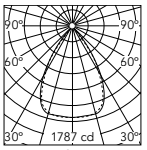
Optic High Comfort - 3500K

Non Dimming

- 05.5781.40
- 05.5781.40.78
- 05.5781.14
- 05.5781.AP

Dali 2

- 05.5781.40.DA
- 05.5781.40.YU
- 05.5781.14.DA
- 05.5781.AP.DA



Luminous flux luminaire
1855 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1785	1.31
2	446	2.61
3	198	3.92
4	112	5.23
5	71	6.54

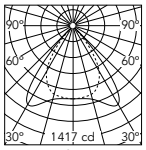
Optic Oval - 4000K

Non Dimming

- 05.6287.40
- 05.6287.40.78
- 05.6287.14
- 05.6287.AP

Dali 2

- 05.6287.40.DA
- 05.6287.40.YU
- 05.6287.14.DA
- 05.6287.AP.DA



Luminous flux luminaire
1780 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1134	1.67
2	283	3.34
3	126	5.00
4	71	6.67
5	45	8.34

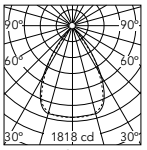
Optic High Comfort - 4000K

Non Dimming

- 05.5782.40
- 05.5782.40.78
- 05.5782.14
- 05.5782.AP

Dali 2

- 05.5782.40.DA
- 05.5782.40.YU
- 05.5782.14.DA
- 05.5782.AP.DA

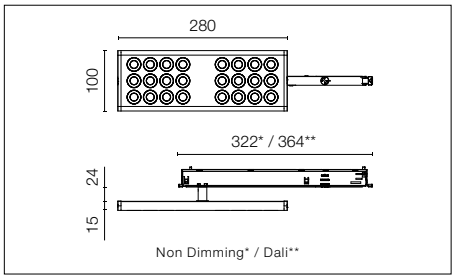


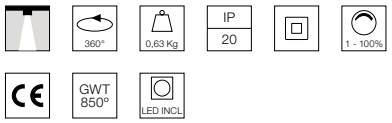
Luminous flux luminaire
1887 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1815	1.31
2	454	2.61
3	202	3.92
4	113	5.23
5	73	6.54

Workmates In-Track Small

Top LED Full Spectrum
Non Dimming: 15,5W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98
Dali 2: 15W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

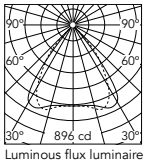
Optic Wide Flood - 3000K

Non Dimming

- 05.6290.40
- 05.6290.40.78
- 05.6290.14
- 05.6290.AP

Dali 2

- 05.6290.40.DA
- 05.6290.40.YU
- 05.6290.14.DA
- 05.6290.AP.DA



Luminous flux luminaire
1231 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

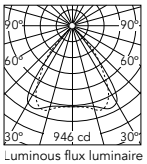
Optic Wide Flood - 4000K

Non Dimming

- 05.6292.40
- 05.6292.40.78
- 05.6292.14
- 05.6292.AP

Dali 2

- 05.6292.40.DA
- 05.6292.40.YU
- 05.6292.14.DA
- 05.6292.AP.DA



Luminous flux luminaire
1300 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

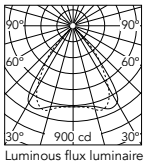
Optic Wide Flood - 3500K

Non Dimming

- 05.6291.40
- 05.6291.40.78
- 05.6291.14
- 05.6291.AP

Dali 2

- 05.6291.40.DA
- 05.6291.40.YU
- 05.6291.14.DA
- 05.6291.AP.DA



Luminous flux luminaire
1238 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

NEW

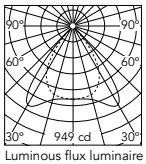
Optic Oval - 3000K

Non Dimming

- 05.6295.40
- 05.6295.40.78
- 05.6295.14
- 05.6295.AP

Dali 2

- 05.6295.40.DA
- 05.6295.40.YU
- 05.6295.14.DA
- 05.6295.AP.DA



Luminous flux luminaire
1192 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	759	1.67
2	190	3.34
3	84	5.00
4	47	6.67
5	30	8.34

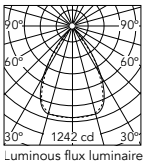
Optic High Comfort - 3000K

Non Dimming

- 05.5790.40
- 05.5790.40.78
- 05.5790.14
- 05.5790.AP

Dali 2

- 05.5790.40.DA
- 05.5790.40.YU
- 05.5790.14.DA
- 05.5790.AP.DA



Luminous flux luminaire
1289 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1240	1.31
2	310	2.61
3	138	3.92
4	77	5.23
5	50	6.54

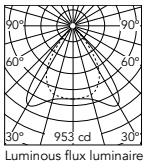
Optic Oval - 3500K

Non Dimming

- 05.6296.40
- 05.6296.40.78
- 05.6296.14
- 05.6296.AP

Dali 2

- 05.6296.40.DA
- 05.6296.40.YU
- 05.6296.14.DA
- 05.6296.AP.DA



Luminous flux luminaire
1198 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	763	1.67
2	191	3.34
3	85	5.00
4	48	6.67
5	31	8.34

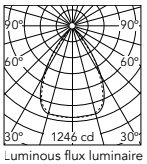
Optic High Comfort - 3500K

Non Dimming

- 05.5791.40
- 05.5791.40.78
- 05.5791.14
- 05.5791.AP

Dali 2

- 05.5791.40.DA
- 05.5791.40.YU
- 05.5791.14.DA
- 05.5791.AP.DA



Luminous flux luminaire
1293 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1244	1.31
2	311	2.61
3	138	3.92
4	78	5.23
5	50	6.54

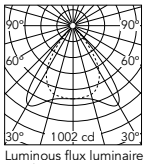
Optic Oval - 4000K

Non Dimming

- 05.6297.40
- 05.6297.40.78
- 05.6297.14
- 05.6297.AP

Dali 2

- 05.6297.40.DA
- 05.6297.40.YU
- 05.6297.14.DA
- 05.6297.AP.DA



Luminous flux luminaire
1259 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	802	1.67
2	200	3.34
3	89	5.00
4	50	6.67
5	32	8.34

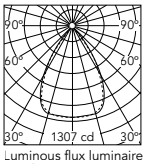
Optic High Comfort - 4000K

Non Dimming

- 05.5792.40
- 05.5792.40.78
- 05.5792.14
- 05.5792.AP

Dali 2

- 05.5792.40.DA
- 05.5792.40.YU
- 05.5792.14.DA
- 05.5792.AP.DA

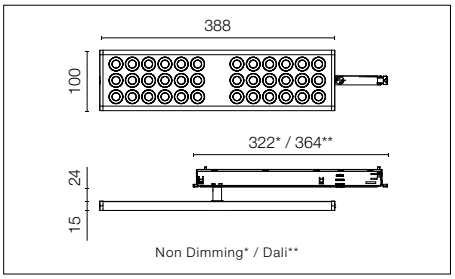


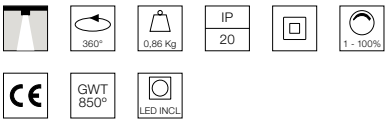
Luminous flux luminaire
1357 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1306	1.31
2	326	2.61
3	145	3.92
4	82	5.23
5	52	6.54

Workmates In-Track Large

Top LED High Efficiency
Non Dimming: 21W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90
Dali 2: 22W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. Hocheffiziente Lichtquelle. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

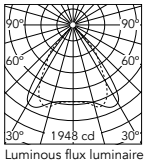
Optic Wide Flood - 3000K

Non Dimming

05.6300.40
05.6300.40.78
05.6300.14
05.6300.AP

Dali 2

05.6300.40.DA
05.6300.40.YU
05.6300.14.DA
05.6300.AP.DA



Luminous flux luminaire
2582 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1634	1.57
2	409	3.13
3	182	4.70
4	102	6.26
5	65	7.83

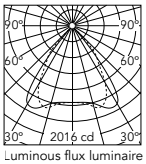
Optic Wide Flood - 4000K

Non Dimming

05.6302.40
05.6302.40.78
05.6302.14
05.6302.AP

Dali 2

05.6302.40.DA
05.6302.40.YU
05.6302.14.DA
05.6302.AP.DA



Luminous flux luminaire
2673 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1692	1.57
2	423	3.13
3	188	4.70
4	106	6.26
5	68	7.83

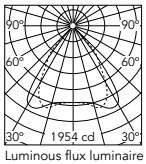
Optic Wide Flood - 3500K

Non Dimming

05.6301.40
05.6301.40.78
05.6301.14
05.6301.AP

Dali 2

05.6301.40.DA
05.6301.40.YU
05.6301.14.DA
05.6301.AP.DA



Luminous flux luminaire
2590 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1639	1.57
2	410	3.13
3	182	4.70
4	102	6.26
5	66	7.83

NEW

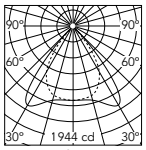
Optic Oval - 3000K

Non Dimming

- 05.6305.40
- 05.6305.40.78
- 05.6305.14
- 05.6305.AP

Dali 2

- 05.6305.40.DA
- 05.6305.40.YU
- 05.6305.14.DA
- 05.6305.AP.DA



Luminous flux luminaire
2462 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1577	1.68
2	394	3.36
3	175	5.03
4	99	6.71
5	63	8.39

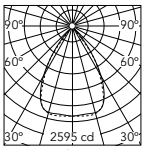
Optic High Comfort - 3000K

Non Dimming

- 05.5800.40
- 05.5800.40.78
- 05.5800.14
- 05.5800.AP

Dali 2

- 05.5800.40.DA
- 05.5800.40.YU
- 05.5800.14.DA
- 05.5800.AP.DA



Luminous flux luminaire
2711 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	2563	1.32
2	641	2.64
3	285	3.96
4	160	5.28
5	103	6.61

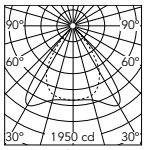
Optic Oval - 3500K

Non Dimming

- 05.6306.40
- 05.6306.40.78
- 05.6306.14
- 05.6306.AP

Dali 2

- 05.6306.40.DA
- 05.6306.40.YU
- 05.6306.14.DA
- 05.6306.AP.DA



Luminous flux luminaire
2469 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1582	1.68
2	395	3.36
3	176	5.03
4	99	6.71
5	63	8.39

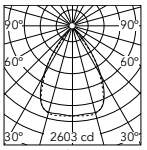
Optic High Comfort - 3500K

Non Dimming

- 05.5801.40
- 05.5801.40.78
- 05.5801.14
- 05.5801.AP

Dali 2

- 05.5801.40.DA
- 05.5801.40.YU
- 05.5801.14.DA
- 05.5801.AP.DA



Luminous flux luminaire
2718 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	2571	1.32
2	643	2.64
3	286	3.96
4	161	5.28
5	103	6.61

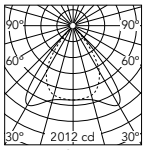
Optic Oval - 4000K

Non Dimming

- 05.6307.40
- 05.6307.40.78
- 05.6307.14
- 05.6307.AP

Dali 2

- 05.6307.40.DA
- 05.6307.40.YU
- 05.6307.14.DA
- 05.6307.AP.DA



Luminous flux luminaire
2548 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1632	1.68
2	408	3.36
3	181	5.03
4	102	6.71
5	65	8.39

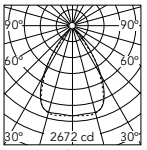
Optic High Comfort - 4000K

Non Dimming

- 05.5802.40
- 05.5802.40.78
- 05.5802.14
- 05.5802.AP

Dali 2

- 05.5802.40.DA
- 05.5802.40.YU
- 05.5802.14.DA
- 05.5802.AP.DA

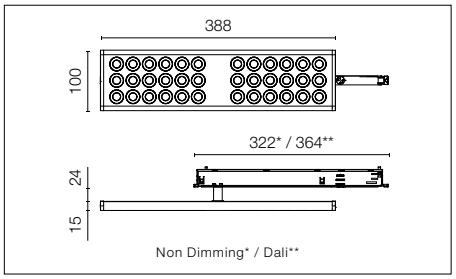


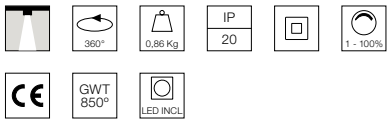
Luminous flux luminaire
2790 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	2639	1.32
2	660	2.64
3	293	3.96
4	165	5.28
5	106	6.61

Workmates In-Track Large

Top LED Full Spectrum
Non Dimming: 21W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98
Dali 2: 22W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98





Leuchte für dreiphasige Stromschienenanwendung, mit Adaptern für No Dim und Dali Steuerung. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Auch in einer Version für The Running Magnet erhältlich. Kann sich auf der Achse des hinteren Arms um 360° drehen, um jede beliebige Position in Bezug auf die Schiene einzunehmen (von parallel bis senkrecht). UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.

Luminaire for use on a three-phase track, with adapters for No Dim and Dali c*ontrol*. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

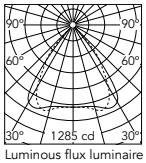
Optic Wide Flood - 3000K

Non Dimming

- 05.6310.40
- 05.6310.40.78
- 05.6310.14
- 05.6310.AP

Dali 2

- 05.6310.40.DA
- 05.6310.40.YU
- 05.6310.14.DA
- 05.6310.AP.DA



Luminous flux luminaire
1761 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1155	1.55
2	289	3.09
3	128	4.64
4	72	6.18
5	46	7.73

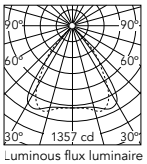
Optic Wide Flood - 4000K

Non Dimming

- 05.6312.40
- 05.6312.40.78
- 05.6312.14
- 05.6312.AP

Dali 2

- 05.6312.40.DA
- 05.6312.40.YU
- 05.6312.14.DA
- 05.6312.AP.DA



Luminous flux luminaire
1860 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1219	1.55
2	305	3.09
3	135	4.64
4	76	6.18
5	49	7.73

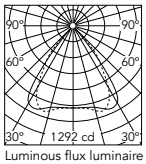
Optic Wide Flood - 3500K

Non Dimming

- 05.6311.40
- 05.6311.40.78
- 05.6311.14
- 05.6311.AP

Dali 2

- 05.6311.40.DA
- 05.6311.40.YU
- 05.6311.14.DA
- 05.6311.AP.DA



Luminous flux luminaire
1770 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1160	1.55
2	290	3.09
3	129	4.64
4	73	6.18
5	46	7.73

NEW

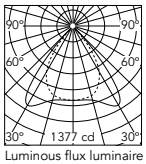
Optic Oval - 3000K

Non Dimming

- 05.6315.40
- 05.6315.40.78
- 05.6315.14
- 05.6315.AP

Dali 2

- 05.6315.40.DA
- 05.6315.40.YU
- 05.6315.14.DA
- 05.6315.AP.DA



Luminous flux luminaire
1744 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1117	1.68
2	279	3.36
3	124	5.03
4	70	6.71
5	45	8.39

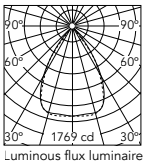
Optic High Comfort - 3000K

Non Dimming

- 05.5810.40
- 05.5810.40.78
- 05.5810.14
- 05.5810.AP

Dali 2

- 05.5810.40.DA
- 05.5810.40.YU
- 05.5810.14.DA
- 05.5810.AP.DA



Luminous flux luminaire
1848 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1747	1.32
2	437	2.64
3	194	3.96
4	109	5.28
5	70	6.61

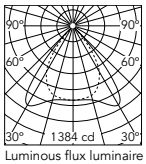
Optic Oval - 3500K

Non Dimming

- 05.6316.40
- 05.6316.40.78
- 05.6316.14
- 05.6316.AP

Dali 2

- 05.6316.40.DA
- 05.6316.40.YU
- 05.6316.14.DA
- 05.6316.AP.DA



Luminous flux luminaire
1753 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1123	1.68
2	281	3.36
3	125	5.03
4	70	6.71
5	45	8.39

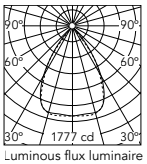
Optic High Comfort - 3500K

Non Dimming

- 05.5811.40
- 05.5811.40.78
- 05.5811.14
- 05.5811.AP

Dali 2

- 05.5811.40.DA
- 05.5811.40.YU
- 05.5811.14.DA
- 05.5811.AP.DA



Luminous flux luminaire
1856 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1755	1.32
2	439	2.64
3	195	3.96
4	110	5.28
5	70	6.61

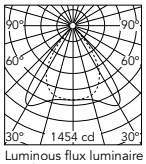
Optic Oval - 4000K

Non Dimming

- 05.6317.40
- 05.6317.40.78
- 05.6317.14
- 05.6317.AP

Dali 2

- 05.6317.40.DA
- 05.6317.40.YU
- 05.6317.14.DA
- 05.6317.AP.DA



Luminous flux luminaire
1842 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1180	1.68
2	295	3.36
3	131	5.03
4	74	6.71
5	47	8.39

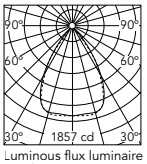
Optic High Comfort - 4000K

Non Dimming

- 05.5812.40
- 05.5812.40.78
- 05.5812.14
- 05.5812.AP

Dali 2

- 05.5812.40.DA
- 05.5812.40.YU
- 05.5812.14.DA
- 05.5812.AP.DA

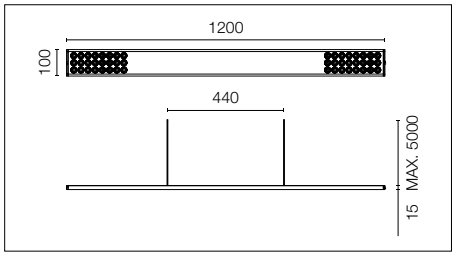


Luminous flux luminaire
1939 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1834	1.32
2	458	2.64
3	204	3.96
4	115	5.28
5	73	6.61

Workmates Suspension Down

Top LED High Efficiency
Non Dimming / Dali 2: 28W - 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90
Casambi: 26W - 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90



Pendelleuchte. Down-Emission. Hocheffiziente Lichtquelle. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Suspension luminaire. *Down* emission. High-efficiency light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

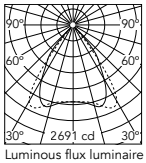
Optic Wide Flood - 3000K

Non Dimming / Dali 2

- 05.6320.40
- 05.6320.40.78
- 05.6320.14
- 05.6320.AP

Casambi

- 05.6320.40.CB
- 05.6320.40.C6
- 05.6320.14.CB
- 05.6320.AP.CB



Luminous flux luminaire
3392 lm

Beam Angle:		73°
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

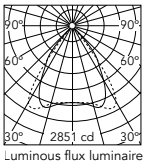
Optic Wide Flood - 4000K

Non Dimming / Dali 2

- 05.6322.40
- 05.6322.40.78
- 05.6322.14
- 05.6322.AP

Casambi

- 05.6322.40.CB
- 05.6322.40.C6
- 05.6322.14.CB
- 05.6322.AP.CB



Luminous flux luminaire
3594 lm

Beam Angle:		73°
h(m)	E(lx)	D(m)
1	2383	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

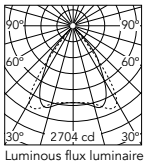
Optic Wide Flood - 3500K

Non Dimming / Dali 2

- 05.6321.40
- 05.6321.40.78
- 05.6321.14
- 05.6321.AP

Casambi

- 05.6321.40.CB
- 05.6321.40.C6
- 05.6321.14.CB
- 05.6321.AP.CB



Luminous flux luminaire
3408 lm

Beam Angle:		73°
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

NEW

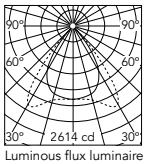
Optic Oval - 3000K

Non Dimming / Dali 2

- 05.6325.40
- 05.6325.40.78
- 05.6325.14
- 05.6325.AP

Casambi

- 05.6325.40.CB
- 05.6325.40.C6
- 05.6325.14.CB
- 05.6325.AP.CB



Luminous flux luminaire
3216 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

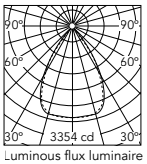
Optic High Comfort - 3000K

Non Dimming / Dali 2

- 05.5820.40
- 05.5820.40.78
- 05.5820.14
- 05.5820.AP

Casambi

- 05.5820.40.CB
- 05.5820.40.C6
- 05.5820.14.CB
- 05.5820.AP.CB



Luminous flux luminaire
3482 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	3350	1.31
2	837	2.61
3	372	3.92
4	209	5.23
5	134	6.54

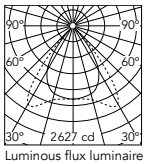
Optic Oval - 3500K

Non Dimming / Dali 2

- 05.6326.40
- 05.6326.40.78
- 05.6326.14
- 05.6326.AP

Casambi

- 05.6326.40.CB
- 05.6326.40.C6
- 05.6326.14.CB
- 05.6326.AP.CB



Luminous flux luminaire
3232 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

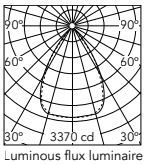
Optic High Comfort - 3500K

Non Dimming / Dali 2

- 05.5821.40
- 05.5821.40.78
- 05.5821.14
- 05.5821.AP

Casambi

- 05.5821.40.CB
- 05.5821.40.C6
- 05.5821.14.CB
- 05.5821.AP.CB



Luminous flux luminaire
3498 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	3365	1.31
2	841	2.61
3	374	3.92
4	210	5.23
5	135	6.54

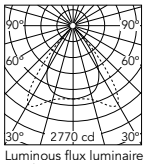
Optic Oval - 4000K

Non Dimming / Dali 2

- 05.6327.40
- 05.6327.40.78
- 05.6327.14
- 05.6327.AP

Casambi

- 05.6327.40.CB
- 05.6327.40.C6
- 05.6327.14.CB
- 05.6327.AP.CB



Luminous flux luminaire
3408 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

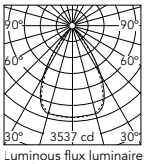
Optic High Comfort - 4000K

Non Dimming / Dali 2

- 05.5822.40
- 05.5822.40.78
- 05.5822.14
- 05.5822.AP

Casambi

- 05.5822.40.CB
- 05.5822.40.C6
- 05.5822.14.CB
- 05.5822.AP.CB

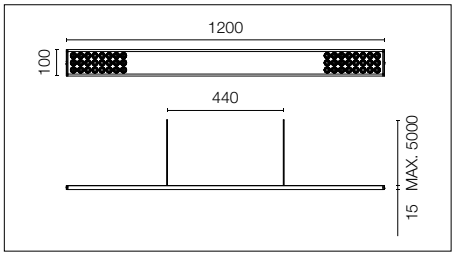


Luminous flux luminaire
3672 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	3533	1.31
2	883	2.61
3	393	3.92
4	221	5.23
5	141	6.54

Workmates Suspension Down

Top LED Full Spectrum
Non Dimming / Dali 2: 28W - 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98
Casambi: 26W - 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98



Pendelleuchte. Down-Emission. *Full Spectrum*-Lichtquelle mit hoher Farbwiedergabequalität. Treiber nicht enthalten. Einstellbare Aufhängungshöhe. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Suspension luminaire. *Down* emission. High-quality colour rendering *Full Spectrum* light source. Driver not included. Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

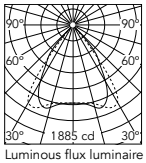
Optic Wide Flood - 3000K

Non Dimming / Dali 2

- 05.6330.40
- 05.6330.40.78
- 05.6330.14
- 05.6330.AP

Casambi

- 05.6330.40.CB
- 05.6330.40.C6
- 05.6330.14.CB
- 05.6330.AP.CB



Luminous flux luminaire
2464 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

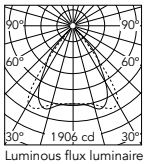
Optic Wide Flood - 3500K

Non Dimming / Dali 2

- 05.6331.40
- 05.6331.40.78
- 05.6331.14
- 05.6331.AP

Casambi

- 05.6331.40.CB
- 05.6331.40.C6
- 05.6331.14.CB
- 05.6331.AP.CB



Luminous flux luminaire
2491 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

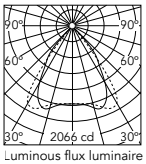
Optic Wide Flood - 4000K

Non Dimming / Dali 2

- 05.6332.40
- 05.6332.40.78
- 05.6332.14
- 05.6332.AP

Casambi

- 05.6332.40.CB
- 05.6332.40.C6
- 05.6332.14.CB
- 05.6332.AP.CB



Luminous flux luminaire
2701 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

NEW

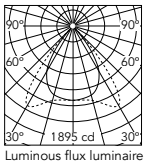
Optic Oval - 3000K

Non Dimming / Dali 2

- 05.6335.40
- 05.6335.40.78
- 05.6335.14
- 05.6335.AP

Casambi

- 05.6335.40.CB
- 05.6335.40.C6
- 05.6335.14.CB
- 05.6335.AP.CB



Luminous flux luminaire
2365 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

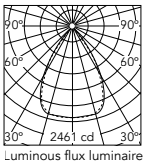
Optic High Comfort - 3000K

Non Dimming / Dali 2

- 05.5830.40
- 05.5830.40.78
- 05.5830.14
- 05.5830.AP

Casambi

- 05.5830.40.CB
- 05.5830.40.C6
- 05.5830.14.CB
- 05.5830.AP.CB



Luminous flux luminaire
2554 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	2457	1.31
2	614	2.61
3	273	3.92
4	154	5.23
5	98	6.54

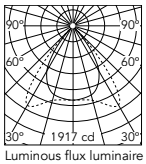
Optic Oval - 3500K

Non Dimming / Dali 2

- 05.6336.40
- 05.6336.40.78
- 05.6336.14
- 05.6336.AP

Casambi

- 05.6336.40.CB
- 05.6336.40.C6
- 05.6336.14.CB
- 05.6336.AP.CB



Luminous flux luminaire
2392 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

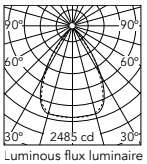
Optic High Comfort - 3500K

Non Dimming / Dali 2

- 05.5831.40
- 05.5831.40.78
- 05.5831.14
- 05.5831.AP

Casambi

- 05.5831.40.CB
- 05.5831.40.C6
- 05.5831.14.CB
- 05.5831.AP.CB



Luminous flux luminaire
2579 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	2481	1.31
2	620	2.61
3	276	3.92
4	155	5.23
5	99	6.54

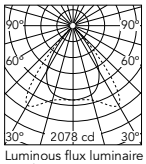
Optic Oval - 4000K

Non Dimming / Dali 2

- 05.6337.40
- 05.6337.40.78
- 05.6337.14
- 05.6337.AP

Casambi

- 05.6337.40.CB
- 05.6337.40.C6
- 05.6337.14.CB
- 05.6337.AP.CB



Luminous flux luminaire
2593 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

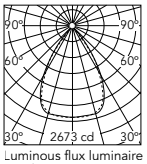
Optic High Comfort - 4000K

Non Dimming / Dali 2

- 05.5832.40
- 05.5832.40.78
- 05.5832.14
- 05.5832.AP

Casambi

- 05.5832.40.CB
- 05.5832.40.C6
- 05.5832.14.CB
- 05.5832.AP.CB

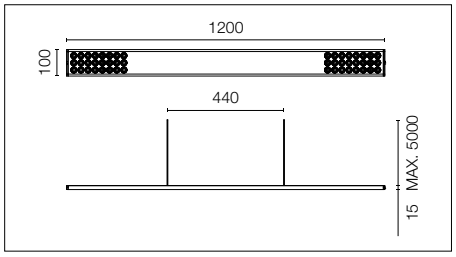


Luminous flux luminaire
2775 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	2670	1.31
2	667	2.61
3	297	3.92
4	167	5.23
5	107	6.54

Workmates Suspension Up&Down

Top LED High Efficiency: Non Dimming / Dali 2: 57W / Casambi: 58,5W
Majority Up (70/30): 4316 lm Up - 1851 lm Down - 3000K/CRI 90 / 4413 lm Up - 1892 lm Down - 3500K/CRI 90 / 4531 lm Up - 1942 lm Down - 4000K/CRI 90
Majority Down (40/60): 2588 lm Up - 3913 lm Down - 3000K/CRI 90 / 2621 lm Up - 3942 lm Down - 3500K/CRI 90 / 2733 lm Up - 4100 lm Down - 4000K/CRI 90



Pendelleuchte . Indirekte abstrahlende Up&Down-Leuchte. Hocheffiziente Lichtquelle. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Bei den *Non Dimming*-Modellen ist es möglich, den *Up&Down*-Lichtstrom in den Verhältnissen 70/30 und 40/60 zu konfigurieren (Zubehörsatz für den betreffenden Treiber wählen). Einstellbare Aufhängungshöhe. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Suspension luminaire. *Up&Down* emission. High-efficiency light source. Driver not included (accessory kit for remote or surface driver).
For *Non Dimming* models, you can configure the *Up&Down* luminous flux in 70/30 and 40/60 ratios (select the accessory kit for the driver concerned).
Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

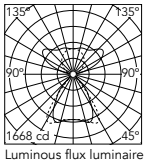
Non Dimming / Dali 2

- 05.6340.40
- 05.6340.40.78
- 05.6340.14
- 05.6340.AP

Casambi

- 05.6340.40.CB
- 05.6340.40.C6
- 05.6340.14.CB
- 05.6340.AP.CB

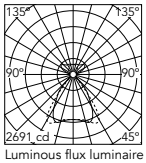
74° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5530 lm

Beam Angle: - 74°		
h(m)	E(lx)	D(m)
1	1393	1.49
2	348	2.99
3	155	4.48
4	87	5.97
5	56	7.46

74° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 5570 lm

Beam Angle: - 74°		
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 3500K

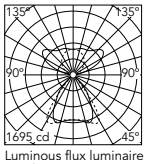
Non Dimming / Dali 2

- 05.6341.40
- 05.6341.40.78
- 05.6341.14
- 05.6341.AP

Casambi

- 05.6341.40.CB
- 05.6341.40.C6
- 05.6341.14.CB
- 05.6341.AP.CB

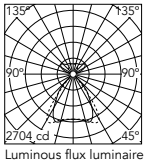
74° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5655 lm

Beam Angle: - 74°		
h(m)	E(lx)	D(m)
1	1416	1.49
2	354	2.99
3	157	4.48
4	88	5.97
5	57	7.46

74° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 5653 lm

Beam Angle: - 74°		
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

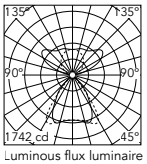
Non Dimming / Dali 2

- 05.6342.40
- 05.6342.40.78
- 05.6342.14
- 05.6342.AP

Casambi

- 05.6342.40.CB
- 05.6342.40.C6
- 05.6342.14.CB
- 05.6342.AP.CB

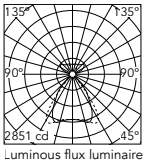
74° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5806 lm

Beam Angle: - 74°		
h(m)	E(lx)	D(m)
1	1456	1.49
2	364	2.99
3	162	4.48
4	91	5.97
5	58	7.46

74° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 5880 lm

Beam Angle: - 74°		
h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

NEW

Optic Oval - 3000K

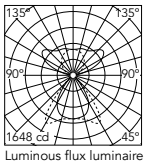
Non Dimming / Dali 2

- 05.6345.40
- 05.6345.40.78
- 05.6345.14
- 05.6345.AP

Casambi

- 05.6345.40.CB
- 05.6345.40.C6
- 05.6345.14.CB
- 05.6345.AP.CB

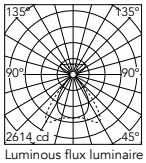
81°
OVAL MAJOR. UP



Luminous flux luminaire 5456 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	1320 1.42
2	330 2.85
3	147 4.27
4	83 5.70
5	53 7.12

81°
OVAL MAJOR. DOWN



Luminous flux luminaire 5395 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	2095 1.42
2	524 2.85
3	233 4.27
4	131 5.70
5	84 7.12

Optic High Comfort - 3000K

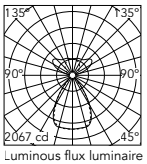
Non Dimming / Dali 2

- 05.5840.40
- 05.5840.40.78
- 05.5840.14
- 05.5840.AP

Casambi

- 05.5840.40.CB
- 05.5840.40.C6
- 05.5840.14.CB
- 05.5840.AP.CB

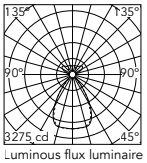
65°
HIGH COMFORT MAJOR. UP



Luminous flux luminaire 4905 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2064 1.31
2	516 2.61
3	229 3.92
4	129 5.23
5	83 6.54

65°
HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 5660 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	3271 1.31
2	818 2.61
3	363 3.92
4	204 5.23
5	131 6.54

Optic Oval - 3500K

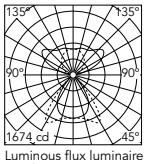
Non Dimming / Dali 2

- 05.6346.40
- 05.6346.40.78
- 05.6346.14
- 05.6346.AP

Casambi

- 05.6346.40.CB
- 05.6346.40.C6
- 05.6346.14.CB
- 05.6346.AP.CB

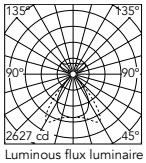
81°
OVAL MAJOR. UP



Luminous flux luminaire 5578 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	1341 1.42
2	335 2.85
3	149 4.27
4	84 5.70
5	54 7.12

81°
OVAL MAJOR. DOWN



Luminous flux luminaire 5477 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	2105 1.42
2	526 2.85
3	234 4.27
4	132 5.70
5	84 7.12

Optic High Comfort - 3500K

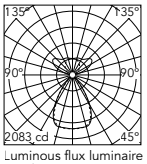
Non Dimming / Dali 2

- 05.5841.40
- 05.5841.40.78
- 05.5841.14
- 05.5841.AP

Casambi

- 05.5841.40.CB
- 05.5841.40.C6
- 05.5841.14.CB
- 05.5841.AP.CB

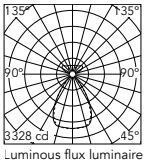
65°
HIGH COMFORT MAJOR. UP



Luminous flux luminaire 4945 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2081 1.31
2	520 2.61
3	231 3.92
4	130 5.23
5	83 6.54

65°
HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 5752 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	3324 1.31
2	831 2.61
3	369 3.92
4	208 5.23
5	133 6.54

Optic Oval - 4000K

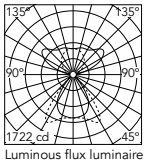
Non Dimming / Dali 2

- 05.6347.40
- 05.6347.40.78
- 05.6347.14
- 05.6347.AP

Casambi

- 05.6347.40.CB
- 05.6347.40.C6
- 05.6347.14.CB
- 05.6347.AP.CB

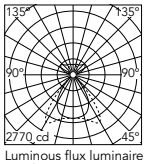
81°
OVAL MAJOR. UP



Luminous flux luminaire 5726 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	1380 1.42
2	345 2.85
3	153 4.27
4	86 5.70
5	55 7.12

81°
OVAL MAJOR. DOWN



Luminous flux luminaire 5694 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	2220 1.42
2	555 2.85
3	247 4.27
4	139 5.70
5	89 7.12

Optic High Comfort - 4000K

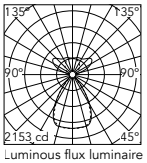
Non Dimming / Dali 2

- 05.5842.40
- 05.5842.40.78
- 05.5842.14
- 05.5842.AP

Casambi

- 05.5842.40.CB
- 05.5842.40.C6
- 05.5842.14.CB
- 05.5842.AP.CB

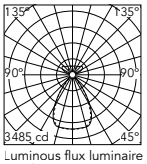
65°
HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5110 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2150 1.31
2	538 2.61
3	239 3.92
4	134 5.23
5	86 6.54

65°
HIGH COMFORT MAJOR. DOWN

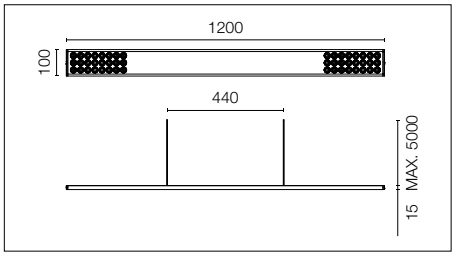


Luminous flux luminaire 6022 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	3480 1.31
2	870 2.61
3	387 3.92
4	217 5.23
5	139 6.54

Workmates Suspension Up&Down

Top LED Full Spectrum: Non Dimming / Dali 2: 57W / Casambi: 58,5W
Majority Up (70/30): 3809 lm Up - 1633 lm Down - 3000K/CRI 98 / 3911 lm Up - 1671 lm Down - 3500K/CRI 98 / 4022 lm Up - 1725 lm Down - 4000K/CRI 98
Majority Down (40/60): 2122 lm Up - 3185 lm Down - 3000K/CRI 98 / 2238 lm Up - 3358 lm Down - 3500K/CRI 98 / 2081 lm Up - 3122 lm Down - 4000K/CRI 98



Pendelleuchte . Indirekte abstrahlende Up&Down-Leuchte. *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe. Hocheffiziente Up-Lichtquelle. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Suspension luminaire. *Up&Down* emission. High-quality colour rendering *Down Full Spectrum* light source. High-efficiency *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

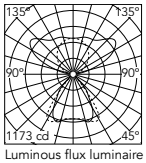
Non Dimming / Dali 2

- 05.6350.40
- 05.6350.40.78
- 05.6350.14
- 05.6350.AP

Casambi

- 05.6350.40.CB
- 05.6350.40.C6
- 05.6350.14.CB
- 05.6350.AP.CB

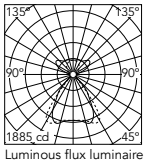
71° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 4921 lm

Beam Angle: - 71°		
h(m)	E(lx)	D(m)
1	783	5.67
2	196	11.33
3	87	17.00
4	49	22.67
5	31	28.34

75° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 4642 lm

Beam Angle: - 75°		
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 4000K

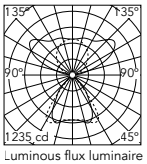
Non Dimming / Dali 2

- 05.6352.40
- 05.6352.40.78
- 05.6352.14
- 05.6352.AP

Casambi

- 05.6352.40.CB
- 05.6352.40.C6
- 05.6352.14.CB
- 05.6352.AP.CB

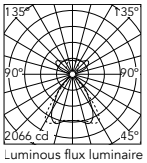
71° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5196 lm

Beam Angle: - 71°		
h(m)	E(lx)	D(m)
1	824	5.67
2	206	11.33
3	92	17.00
4	52	22.67
5	33	28.34

75° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 4987 lm

Beam Angle: - 75°		
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic Wide Flood - 3500K

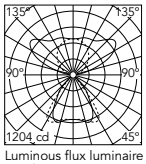
Non Dimming / Dali 2

- 05.6351.40
- 05.6351.40.78
- 05.6351.14
- 05.6351.AP

Casambi

- 05.6351.40.CB
- 05.6351.40.C6
- 05.6351.14.CB
- 05.6351.AP.CB

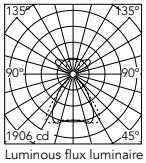
71° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5047 lm

Beam Angle: - 71°		
h(m)	E(lx)	D(m)
1	803	5.67
2	201	11.33
3	89	17.00
4	50	22.67
5	32	28.34

75° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 4736 lm

Beam Angle: - 75°		
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

NEW

Optic Oval - 3000K

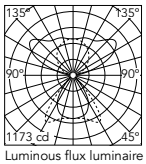
Non Dimming / Dali 2

- 05.6355.40
- 05.6355.40.78
- 05.6355.14
- 05.6355.AP

Casambi

- 05.6355.40.CB
- 05.6355.40.C6
- 05.6355.14.CB
- 05.6355.AP.CB

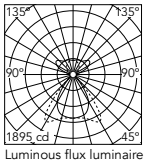
71° OVAL MAJOR. UP



Luminous flux luminaire 4868 lm

Beam Angle: -	71°
h(m)	E(lx) D(m)
1	783 5.67
2	196 11.33
3	87 17.00
4	49 22.67
5	31 28.34

82° OVAL MAJOR. DOWN



Luminous flux luminaire 4543 lm

Beam Angle: -	82°
h(m)	E(lx) D(m)
1	1530 1.43
2	383 2.86
3	170 4.28
4	96 5.71
5	61 7.14

Optic High Comfort - 3000K

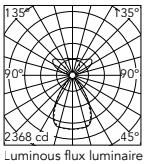
Non Dimming / Dali 2

- 05.5850.40
- 05.5850.40.78
- 05.5850.14
- 05.5850.AP

Casambi

- 05.5850.40.CB
- 05.5850.40.C6
- 05.5850.14.CB
- 05.5850.AP.CB

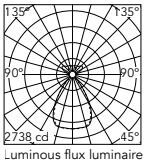
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5621 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2365 1.31
2	591 2.61
3	263 3.92
4	148 5.23
5	95 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 4732 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2735 1.31
2	684 2.61
3	304 3.92
4	171 5.23
5	109 6.54

Optic Oval - 3500K

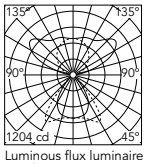
Non Dimming / Dali 2

- 05.6356.40
- 05.6356.40.78
- 05.6356.14
- 05.6356.AP

Casambi

- 05.6356.40.CB
- 05.6356.40.C6
- 05.6356.14.CB
- 05.6356.AP.CB

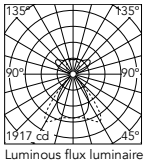
71° OVAL MAJOR. UP



Luminous flux luminaire 4993 lm

Beam Angle: -	71°
h(m)	E(lx) D(m)
1	803 5.67
2	201 11.33
3	89 17.00
4	50 22.67
5	32 28.34

82° OVAL MAJOR. DOWN



Luminous flux luminaire 4637 lm

Beam Angle: -	82°
h(m)	E(lx) D(m)
1	1548 1.43
2	387 2.86
3	172 4.28
4	97 5.71
5	62 7.14

Optic High Comfort - 3500K

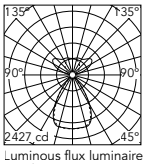
Non Dimming / Dali 2

- 05.5851.40
- 05.5851.40.78
- 05.5851.14
- 05.5851.AP

Casambi

- 05.5851.40.CB
- 05.5851.40.C6
- 05.5851.14.CB
- 05.5851.AP.CB

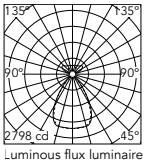
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5761 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2424 1.31
2	606 2.61
3	269 3.92
4	151 5.23
5	97 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 4836 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2795 1.31
2	699 2.61
3	311 3.92
4	175 5.23
5	112 6.54

Optic Oval - 4000K

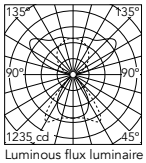
Non Dimming / Dali 2

- 05.6357.40
- 05.6357.40.78
- 05.6357.14
- 05.6357.AP

Casambi

- 05.6357.40.CB
- 05.6357.40.C6
- 05.6357.14.CB
- 05.6357.AP.CB

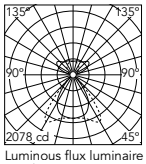
71° OVAL MAJOR. UP



Luminous flux luminaire 5140 lm

Beam Angle: -	71°
h(m)	E(lx) D(m)
1	824 5.67
2	206 11.33
3	92 17.00
4	52 22.67
5	33 28.34

82° OVAL MAJOR. DOWN



Luminous flux luminaire 4879 lm

Beam Angle: -	82°
h(m)	E(lx) D(m)
1	1678 1.43
2	419 2.86
3	186 4.28
4	105 5.71
5	67 7.14

Optic High Comfort - 4000K

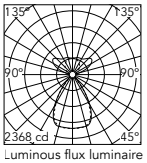
Non Dimming / Dali 2

- 05.5852.40
- 05.5852.40.78
- 05.5852.14
- 05.5852.AP

Casambi

- 05.5852.40.CB
- 05.5852.40.C6
- 05.5852.14.CB
- 05.5852.AP.CB

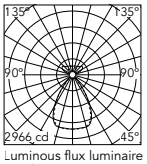
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5621 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2365 1.31
2	591 2.61
3	263 3.92
4	148 5.23
5	95 6.54

65° HIGH COMFORT MAJOR. DOWN



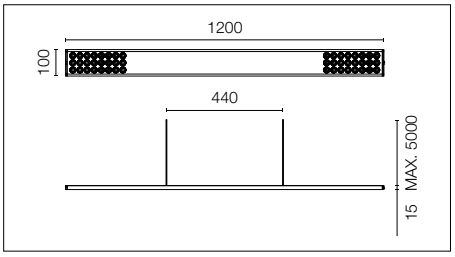
Luminous flux luminaire 5125 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2962 1.31
2	740 2.61
3	329 3.92
4	185 5.23
5	118 6.54

NEW

Workmates Suspension Up&Down Smart

Top LED High Efficiency: Casambi: Up 32,5W - Down 26W
Up: 4281 lm - 3000K/CRI 90 / 4339 lm - 3500K/CRI 90 / 4397 lm - 4000K/CRI 90
Down: 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90



Pendelleuchte. Indirekte abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

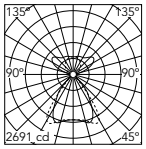
Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6360.40.CB
- 05.6360.40.C6
- 05.6360.14.CB
- 05.6360.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 7202 lm

Beam Angle: - 74°

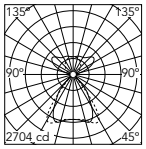
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 3500K

Casambi

- 05.6361.40.CB
- 05.6361.40.C6
- 05.6361.14.CB
- 05.6361.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 7305 lm

Beam Angle: - 74°

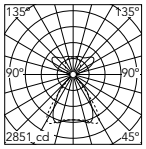
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

Casambi

- 05.6362.40.CB
- 05.6362.40.C6
- 05.6362.14.CB
- 05.6362.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 7633 lm

Beam Angle: - 74°

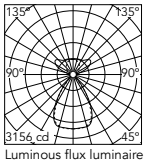
h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic High Comfort - 3000K

Casambi

- 05.5860.40.CB
- 05.5860.40.C6
- 05.5860.14.CB
- 05.5860.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 7085 lm

Beam Angle: - 65°

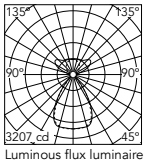
h(m)	E(lx)	D(m)
1	3152	1.31
2	788	2.61
3	350	3.92
4	197	5.23
5	126	6.54

Optic High Comfort - 3500K

Casambi

- 05.5861.40.CB
- 05.5861.40.C6
- 05.5861.14.CB
- 05.5861.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 7200 lm

Beam Angle: - 65°

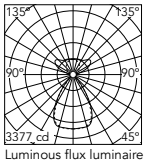
h(m)	E(lx)	D(m)
1	3203	1.31
2	801	2.61
3	356	3.92
4	200	5.23
5	128	6.54

Optic High Comfort - 4000K

Casambi

- 05.5862.40.CB
- 05.5862.40.C6
- 05.5862.14.CB
- 05.5862.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 7580 lm

Beam Angle: - 65°

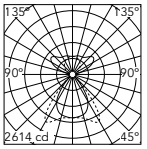
h(m)	E(lx)	D(m)
1	3372	1.31
2	843	2.61
3	375	3.92
4	211	5.23
5	135	6.54

Optic Oval - 3000K

Casambi

- 05.6365.40.CB
- 05.6365.40.C6
- 05.6365.14.CB
- 05.6365.AP.CB

81° OVAL



Luminous flux luminaire 7026 lm

Beam Angle: - 81°

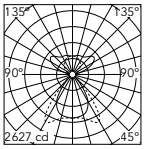
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic Oval - 3500K

Casambi

- 05.6366.40.CB
- 05.6366.40.C6
- 05.6366.14.CB
- 05.6366.AP.CB

81° OVAL



Luminous flux luminaire 7129 lm

Beam Angle: - 81°

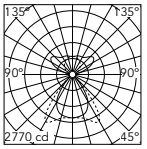
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic Oval - 4000K

Casambi

- 05.6367.40.CB
- 05.6367.40.C6
- 05.6367.14.CB
- 05.6367.AP.CB

81° OVAL



Luminous flux luminaire 7447 lm

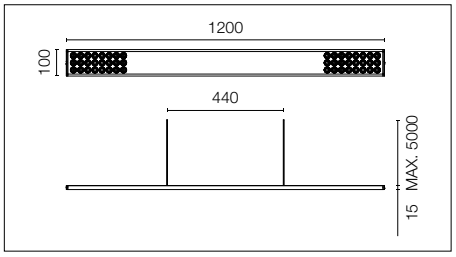
Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

NEW

Workmates Suspension Up&Down Smart

Top LED Full Spectrum: Casambi: Up 32,5W - Down 26W
Up: 4281 lm - 3000K/CRI 98 / 4339 lm - 3500K/CRI 98 / 4397 lm - 4000K/CRI 98
Down: 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98



Pendelleuchte. Indirekte abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe. Hocheffiziente Up-Lichtquelle. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Casambi, maximaler Abstand zwischen den Geräten: 50 m.

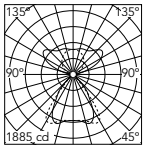
Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering *Down Full Spectrum* light source. High-efficiency *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6370.40.CB
- 05.6370.40.C6
- 05.6370.14.CB
- 05.6370.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 6274 lm

Beam Angle: - 75°

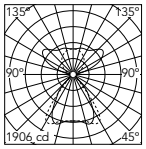
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 3500K

Casambi

- 05.6371.40.CB
- 05.6371.40.C6
- 05.6371.14.CB
- 05.6371.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 6388 lm

Beam Angle: - 75°

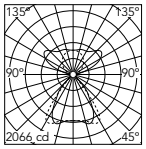
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

Optic Wide Flood - 4000K

Casambi

- 05.6372.40.CB
- 05.6372.40.C6
- 05.6372.14.CB
- 05.6372.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 6740 lm

Beam Angle: - 75°

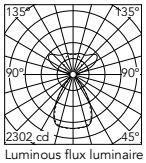
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic High Comfort - 3000K

Casambi

- 05.5870.40.CB
- 05.5870.40.C6
- 05.5870.14.CB
- 05.5870.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6198 lm

Beam Angle: - 65°

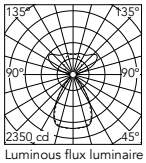
h(m)	E(lx)	D(m)
1	2299	1.31
2	575	2.61
3	255	3.92
4	144	5.23
5	92	6.54

Optic High Comfort - 3500K

Casambi

- 05.5871.40.CB
- 05.5871.40.C6
- 05.5871.14.CB
- 05.5871.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6325 lm

Beam Angle: - 65°

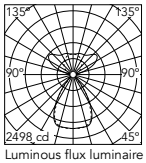
h(m)	E(lx)	D(m)
1	2346	1.31
2	587	2.61
3	261	3.92
4	147	5.23
5	94	6.54

Optic High Comfort - 4000K

Casambi

- 05.5872.40.CB
- 05.5872.40.C6
- 05.5872.14.CB
- 05.5872.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6723 lm

Beam Angle: - 65°

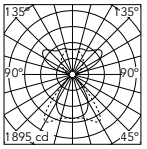
h(m)	E(lx)	D(m)
1	2494	1.31
2	624	2.61
3	277	3.92
4	156	5.23
5	100	6.54

Optic Oval - 3000K

Casambi

- 05.6375.40.CB
- 05.6375.40.C6
- 05.6375.14.CB
- 05.6375.AP.CB

82° OVAL



Luminous flux luminaire 6175 lm

Beam Angle: - 82°

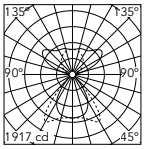
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic Oval - 3500K

Casambi

- 05.6376.40.CB
- 05.6376.40.C6
- 05.6376.14.CB
- 05.6376.AP.CB

82° OVAL



Luminous flux luminaire 6289 lm

Beam Angle: - 82°

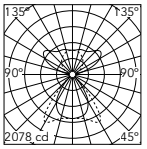
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic Oval - 4000K

Casambi

- 05.6377.40.CB
- 05.6377.40.C6
- 05.6377.14.CB
- 05.6377.AP.CB

82° OVAL



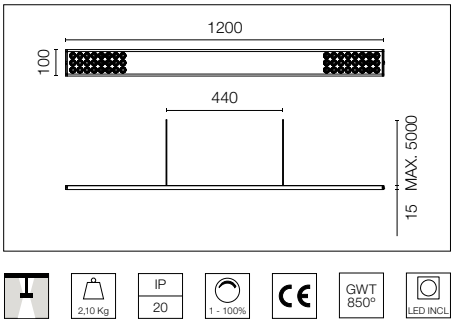
Luminous flux luminaire 6632 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Workmates Suspension Up&Down Tunable White

Top LED High Efficiency: Dali 2: Up 23W - Down 26W / Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90



Pendelleuchte. Indirekte abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Hocheffiziente Down-Lichtquelle. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000.
Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency *Down* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

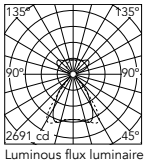
Optic Wide Flood - 3000K

Dali 2

- 05.6380.40.DA
- 05.6380.40.YU
- 05.6380.14.DA
- 05.6380.AP.DA

Casambi

- 05.6380.40.CB
- 05.6380.40.C6
- 05.6380.14.CB
- 05.6380.AP.CB



Luminous flux luminaire
6426 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

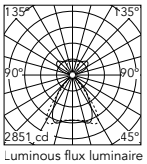
Optic Wide Flood - 4000K

Dali 2

- 05.6382.40.DA
- 05.6382.40.YU
- 05.6382.14.DA
- 05.6382.AP.DA

Casambi

- 05.6382.40.CB
- 05.6382.40.C6
- 05.6382.14.CB
- 05.6382.AP.CB



Luminous flux luminaire
6740 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

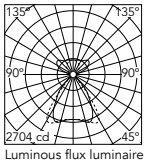
Optic Wide Flood - 3500K

Dali 2

- 05.6381.40.DA
- 05.6381.40.YU
- 05.6381.14.DA
- 05.6381.AP.DA

Casambi

- 05.6381.40.CB
- 05.6381.40.C6
- 05.6381.14.CB
- 05.6381.AP.CB



Luminous flux luminaire
6500 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

NEW

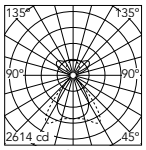
Optic Oval - 3000K

Dali 2

- 05.6385.40.DA
- 05.6385.40.YU
- 05.6385.14.DA
- 05.6385.AP.DA

Casambi

- 05.6385.40.CB
- 05.6385.40.C6
- 05.6385.14.CB
- 05.6385.AP.CB



Luminous flux luminaire
6250 lm

Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

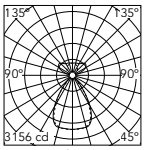
Optic High Comfort - 3000K

Dali 2

- 05.5880.40.DA
- 05.5880.40.YU
- 05.5880.14.DA
- 05.5880.AP.DA

Casambi

- 05.5880.40.CB
- 05.5880.40.C6
- 05.5880.14.CB
- 05.5880.AP.CB



Luminous flux luminaire
6311 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	3152	1.31
2	788	2.61
3	350	3.92
4	197	5.23
5	126	6.54

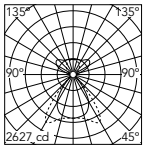
Optic Oval - 3500K

Dali 2

- 05.6386.40.DA
- 05.6386.40.YU
- 05.6386.14.DA
- 05.6386.AP.DA

Casambi

- 05.6386.40.CB
- 05.6386.40.C6
- 05.6386.14.CB
- 05.6386.AP.CB



Luminous flux luminaire
6324 lm

Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

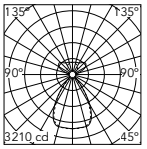
Optic High Comfort - 3500K

Dali 2

- 05.5881.40.DA
- 05.5881.40.YU
- 05.5881.14.DA
- 05.5881.AP.DA

Casambi

- 05.5881.40.CB
- 05.5881.40.C6
- 05.5881.14.CB
- 05.5881.AP.CB



Luminous flux luminaire
6418 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	3205	1.31
2	801	2.61
3	356	3.92
4	200	5.23
5	128	6.54

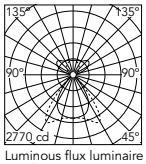
Optic Oval - 4000K

Dali 2

- 05.6387.40.DA
- 05.6387.40.YU
- 05.6387.14.DA
- 05.6387.AP.DA

Casambi

- 05.6387.40.CB
- 05.6387.40.C6
- 05.6387.14.CB
- 05.6387.AP.CB



Luminous flux luminaire
6554 lm

Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

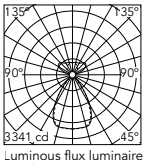
Optic High Comfort - 4000K

Dali 2

- 05.5882.40.DA
- 05.5882.40.YU
- 05.5882.14.DA
- 05.5882.AP.DA

Casambi

- 05.5882.40.CB
- 05.5882.40.C6
- 05.5882.14.CB
- 05.5882.AP.CB



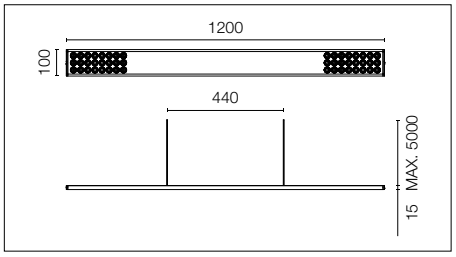
Luminous flux luminaire
6680 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	3336	1.31
2	834	2.61
3	371	3.92
4	208	5.23
5	133	6.54

Workmates Suspension Up&Down Tunable White

Top LED Full Spectrum: Dali 2: Up 23W - Down 26W / Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98



Pendelleuchte. Indirekte abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000.
Casambi, maximaler Abstand zwischen den Geräten: 50 m.

Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering *Down Full Spectrum* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

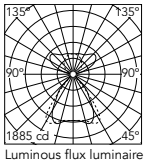
Optic Wide Flood - 3000K

Dali 2

- 05.6390.40.DA
- 05.6390.40.YU
- 05.6390.14.DA
- 05.6390.AP.DA

Casambi

- 05.6390.40.CB
- 05.6390.40.C6
- 05.6390.14.CB
- 05.6390.AP.CB



Luminous flux luminaire
5498 lm

Beam Angle: - 75°

h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

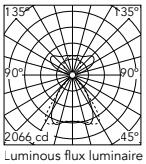
Optic Wide Flood - 4000K

Dali 2

- 05.6392.40.DA
- 05.6392.40.YU
- 05.6392.14.DA
- 05.6392.AP.DA

Casambi

- 05.6392.40.CB
- 05.6392.40.C6
- 05.6392.14.CB
- 05.6392.AP.CB



Luminous flux luminaire
5847 lm

Beam Angle: - 75°

h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

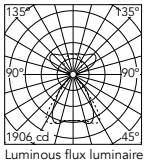
Optic Wide Flood - 3500K

Dali 2

- 05.6391.40.DA
- 05.6391.40.YU
- 05.6391.14.DA
- 05.6391.AP.DA

Casambi

- 05.6391.40.CB
- 05.6391.40.C6
- 05.6391.14.CB
- 05.6391.AP.CB



Luminous flux luminaire
5583 lm

Beam Angle: - 75°

h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

NEW

Optic Oval - 3000K

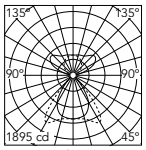
Dali 2

- 05.6395.40.DA
- 05.6395.40.YU
- 05.6395.14.DA
- 05.6395.AP.DA

Casambi

- 05.6395.40.CB
- 05.6395.40.C6
- 05.6395.14.CB
- 05.6395.AP.CB

82°
OVAL



Luminous flux luminaire
5399 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic High Comfort - 3000K

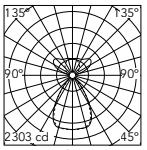
Dali 2

- 05.5890.40.DA
- 05.5890.40.YU
- 05.5890.14.DA
- 05.5890.AP.DA

Casambi

- 05.5890.40.CB
- 05.5890.40.C6
- 05.5890.14.CB
- 05.5890.AP.CB

65°
HIGH
COMFORT



Luminous flux luminaire
5423 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	2299	1.31
2	575	2.61
3	255	3.92
4	144	5.23
5	92	6.54

Optic Oval - 3500K

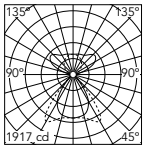
Dali 2

- 05.6396.40.DA
- 05.6396.40.YU
- 05.6396.14.DA
- 05.6396.AP.DA

Casambi

- 05.6396.40.CB
- 05.6396.40.C6
- 05.6396.14.CB
- 05.6396.AP.CB

82°
OVAL



Luminous flux luminaire
5484 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic High Comfort - 3500K

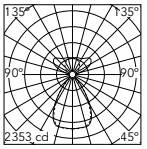
Dali 2

- 05.5891.40.DA
- 05.5891.40.YU
- 05.5891.14.DA
- 05.5891.AP.DA

Casambi

- 05.5891.40.CB
- 05.5891.40.C6
- 05.5891.14.CB
- 05.5891.AP.CB

65°
HIGH
COMFORT



Luminous flux luminaire
5542 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	2350	1.31
2	587	2.61
3	261	3.92
4	147	5.23
5	94	6.54

Optic Oval - 4000K

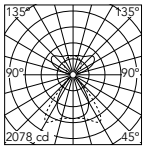
Dali 2

- 05.6397.40.DA
- 05.6397.40.YU
- 05.6397.14.DA
- 05.6397.AP.DA

Casambi

- 05.6397.40.CB
- 05.6397.40.C6
- 05.6397.14.CB
- 05.6397.AP.CB

82°
OVAL



Luminous flux luminaire
5739 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Optic High Comfort - 4000K

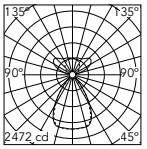
Dali 2

- 05.5892.40.DA
- 05.5892.40.YU
- 05.5892.14.DA
- 05.5892.AP.DA

Casambi

- 05.5892.40.CB
- 05.5892.40.C6
- 05.5892.14.CB
- 05.5892.AP.CB

65°
HIGH
COMFORT



Luminous flux luminaire
5822 lm

Beam Angle: - 65°

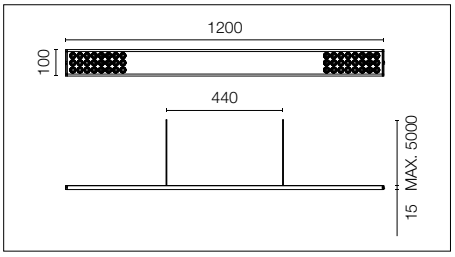
h(m)	E(lx)	D(m)
1	2469	1.31
2	617	2.61
3	274	3.92
4	154	5.23
5	99	6.54

NEW

WORKMATES

Workmates Suspension Up&Down Tunable White Smart

Top LED High Efficiency: Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90



Pendelleuchte. Indirekte abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Hocheffiziente Down-Lichtquelle. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Casambi, maximaler Abstand zwischen den Geräten: 50 m.

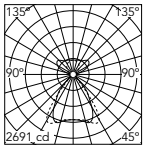
Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency *Down* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6400.40.CB
- 05.6400.40.C6
- 05.6400.14.CB
- 05.6400.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 6426 lm

Beam Angle: - 74°

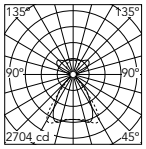
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 3500K

Casambi

- 05.6401.40.CB
- 05.6401.40.C6
- 05.6401.14.CB
- 05.6401.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 6500 lm

Beam Angle: - 74°

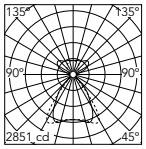
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

Casambi

- 05.6402.40.CB
- 05.6402.40.C6
- 05.6402.14.CB
- 05.6402.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 6740 lm

Beam Angle: - 74°

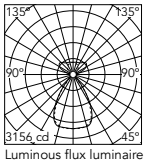
h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic High Comfort - 3000K

Casambi

- 05.5900.40.CB
- 05.5900.40.C6
- 05.5900.14.CB
- 05.5900.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6311 lm

Beam Angle: - 65°

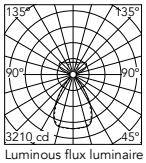
h(m)	E(lx)	D(m)
1	3152	1.31
2	788	2.61
3	350	3.92
4	197	5.23
5	126	6.54

Optic High Comfort - 3500K

Casambi

- 05.5901.40.CB
- 05.5901.40.C6
- 05.5901.14.CB
- 05.5901.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6418 lm

Beam Angle: - 65°

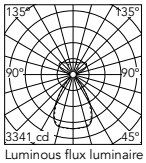
h(m)	E(lx)	D(m)
1	3205	1.31
2	801	2.61
3	356	3.92
4	200	5.23
5	128	6.54

Optic High Comfort - 4000K

Casambi

- 05.5902.40.CB
- 05.5902.40.C6
- 05.5902.14.CB
- 05.5902.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6680 lm

Beam Angle: - 65°

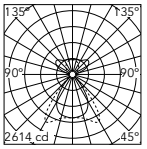
h(m)	E(lx)	D(m)
1	3336	1.31
2	834	2.61
3	371	3.92
4	208	5.23
5	133	6.54

Optic Oval - 3000K

Casambi

- 05.6405.40.CB
- 05.6405.40.C6
- 05.6405.14.CB
- 05.6405.AP.CB

81° OVAL



Luminous flux luminaire 6250 lm

Beam Angle: - 81°

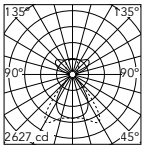
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic Oval - 3500K

Casambi

- 05.6406.40.CB
- 05.6406.40.C6
- 05.6406.14.CB
- 05.6406.AP.CB

81° OVAL



Luminous flux luminaire 6324 lm

Beam Angle: - 81°

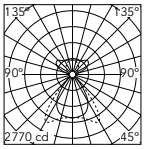
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic Oval - 4000K

Casambi

- 05.6407.40.CB
- 05.6407.40.C6
- 05.6407.14.CB
- 05.6407.AP.CB

81° OVAL



Luminous flux luminaire 6554 lm

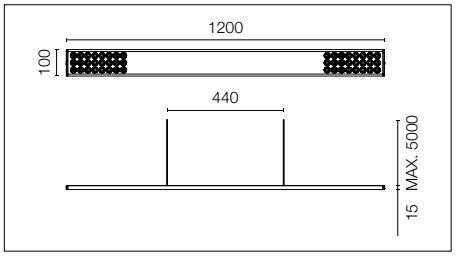
Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

NEW

Workmates Suspension Up&Down Tunable White Smart

Top LED Full Spectrum: Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98



Pendelleuchte. Indirekte abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber nicht im Lieferumfang enthalten (Zubehörsatz für Fern- oder Oberflächentreiber). Einstellbare Aufhängungshöhe. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Mechanisches Verbindungsmodul für modulare Linien mit mehreren Einheiten verfügbar. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Casambi, maximaler Abstand zwischen den Geräten: 50 m.

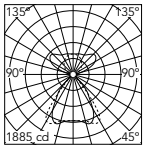
Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering *Down Full Spectrum* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6410.40.CB
- 05.6410.40.C6
- 05.6410.14.CB
- 05.6410.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 5498 lm

Beam Angle: - 75°

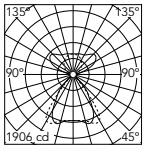
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 3500K

Casambi

- 05.6411.40.CB
- 05.6411.40.C6
- 05.6411.14.CB
- 05.6411.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 5583 lm

Beam Angle: - 75°

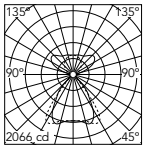
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

Optic Wide Flood - 4000K

Casambi

- 05.6412.40.CB
- 05.6412.40.C6
- 05.6412.14.CB
- 05.6412.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 5847 lm

Beam Angle: - 75°

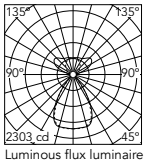
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic High Comfort - 3000K

Casambi

- 05.5910.40.CB
- 05.5910.40.C6
- 05.5910.14.CB
- 05.5910.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 5423 lm

Beam Angle: - 65°

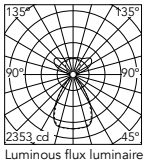
h(m)	E(lx)	D(m)
1	2299	1.31
2	575	2.61
3	255	3.92
4	144	5.23
5	92	6.54

Optic High Comfort - 3500K

Casambi

- 05.5911.40.CB
- 05.5911.40.C6
- 05.5911.14.CB
- 05.5911.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 5542 lm

Beam Angle: - 65°

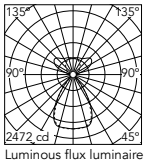
h(m)	E(lx)	D(m)
1	2350	1.31
2	587	2.61
3	261	3.92
4	147	5.23
5	94	6.54

Optic High Comfort - 4000K

Casambi

- 05.5912.40.CB
- 05.5912.40.C6
- 05.5912.14.CB
- 05.5912.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 5822 lm

Beam Angle: - 65°

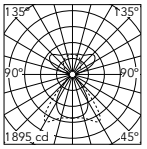
h(m)	E(lx)	D(m)
1	2469	1.31
2	617	2.61
3	274	3.92
4	154	5.23
5	99	6.54

Optic Oval - 3000K

Casambi

- 05.6415.40.CB
- 05.6415.40.C6
- 05.6415.14.CB
- 05.6415.AP.CB

82° OVAL



Luminous flux luminaire 5399 lm

Beam Angle: - 82°

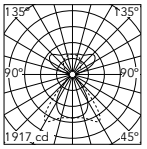
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic Oval - 3500K

Casambi

- 05.6416.40.CB
- 05.6416.40.C6
- 05.6416.14.CB
- 05.6416.AP.CB

82° OVAL



Luminous flux luminaire 5484 lm

Beam Angle: - 82°

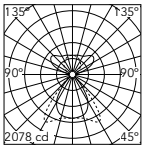
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic Oval - 4000K

Casambi

- 05.6417.40.CB
- 05.6417.40.C6
- 05.6417.14.CB
- 05.6417.AP.CB

82° OVAL



Luminous flux luminaire 5739 lm

Beam Angle: - 82°

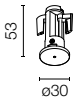
h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

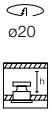
Zubehör / Accessories

Netzteilsatz für Remotemontage / Remote Power Supply Kit

Zubehörsatz für Fernsteuerung.
Treiber im Lieferumfang enthalten.

Accessory kit for remote driver.
Driver Included.





Down
Non Dimming
- 08.0900.40
- 08.0900.14
- 08.0900.AP

Dali 2
- 08.0903.40
- 08.0903.14
- 08.0903.AP

Up&Down (Up / Down)
Non Dimming*
- 08.0901.40
- 08.0901.14
- 08.0901.AP

Dali 2
- 08.0904.40
- 08.0904.14
- 08.0904.AP

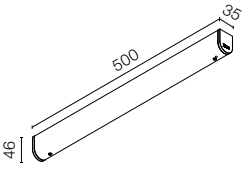
Up&Down Tunable White
Dali 2
- 08.0905.40
- 08.0905.14
- 08.0905.AP

All Models
Casambi
- 08.0906.40
- 08.0906.14
- 08.0906.AP

Netzteilsatz für Oberflächenmontage / Surface Power Supply Kit

Zubehörsatz für Treiber zur Oberflächenmontage. Treiber im Lieferumfang enthalten.

Accessory kit for surface driver.
Driver Included.



Down
Non Dimming
- 08.0910.40
- 08.0910.14
- 08.0910.AP

Dali 2
- 08.0913.40
- 08.0913.14
- 08.0913.AP

Up&Down (Up / Down)
Non Dimming*
- 08.0911.40
- 08.0911.14
- 08.0911.AP

Dali 2
- 08.0914.40
- 08.0914.14
- 08.0914.AP

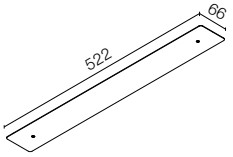
Up&Down Tunable White
Dali 2
- 08.0915.40
- 08.0915.14
- 08.0915.AP

All Models
Casambi
- 08.0915.40
- 08.0915.14
- 08.0915.AP

Netzteilsatz für Einbaumontage / Recessed Power Supply Kit

Zubehörsatz für Treiber zur Einbaumontage. Treiber im Lieferumfang enthalten.

Accessory kit for recessed driver.
Driver Included.



Down
Non Dimming
- 08.0920.40
- 08.0920.14
- 08.0920.AP

Dali 2
- 08.0923.40
- 08.0923.14
- 08.0923.AP

Up&Down (Up / Down)
Non Dimming*
- 08.0921.40
- 08.0921.14
- 08.0921.AP

Dali 2
- 08.0924.40
- 08.0924.14
- 08.0924.AP

Up&Down Tunable White
Dali 2
- 08.0925.40
- 08.0925.14
- 08.0925.AP

All Models
Casambi
- 08.0925.40
- 08.0925.14
- 08.0925.AP

Remote

White Black Anodized Silver

White Black Anodized Silver

White Black Anodized Silver

* Mit diesem Zubehör können Sie zwei Durchflussverhältnisse einstellen (Up / Down: 70/30 oder 40/60), je nachdem wie der Regler angeschlossen ist. Für weitere Einzelheiten entnehmen Sie bitte die Anleitung.
This accessory allows you to adjust two flow ratios (Up / Down: 70/30 or 40/60) depending on how the controller is connected. Please consult the instructions for further details.

NEW

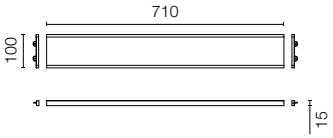
Suspension · Anschlusszubehör / Interconnection Accessories

Die Hängeversionen von Workmates verfügen über eine mechanische Verbindungsvorrichtung, um mehrere Einheiten in kontinuierlichen Linien einzusetzen.

The Workmates suspension versions come with a mechanical union accessory for the installation of various units in continuous lines.

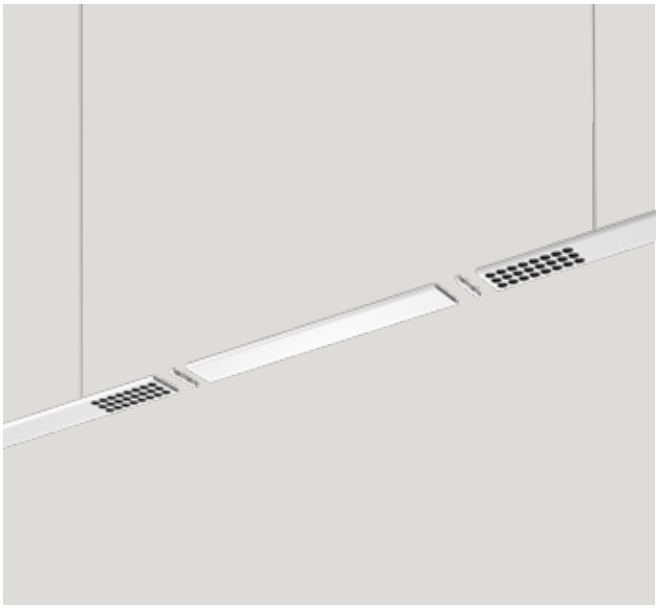
Mechanisches Profil für Workmates Suspension. Inklusive Verbindungsstücke.

Mechanical profile for Workmates Suspension. Connection joints included.



06.0436.40
06.0436.14
06.0436.AP

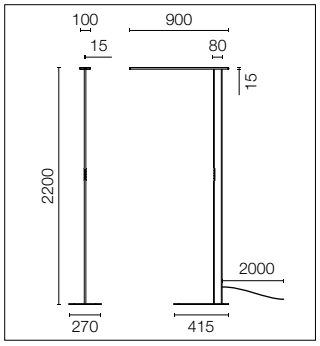
Anschlussbeispiel / Interconnection Example



Anschlussdetail / Interconnection Detail

Workmates Floor Single

Top LED High Efficiency 65,4W - 11359 lm - 3000K/CRI 90 / 11474 lm - 3500K/CRI 90 / 11957 lm - 4000K/CRI 90
Up: High Efficiency
Down: High Efficiency



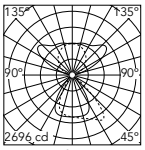
Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Hocheffiziente Up-Lichtquelle. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base is not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Touch Dimming
- 05.6500.40
- 05.6500.40.78
- 05.6500.14

Casambi
- 05.6500.40.CB
- 05.6500.40.C6
- 05.6500.14.CB



Luminous flux luminaire
9445 lm

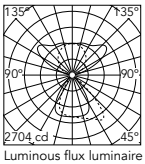
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2101	1.46
2	525	2.93
3	233	4.39
4	131	5.86
5	84	7.32

Optic Asymmetrical - 3500K

Touch Dimming
- 05.6501.40
- 05.6501.40.78
- 05.6501.14

Casambi
- 05.6501.40.CB
- 05.6501.40.C6
- 05.6501.14.CB



Luminous flux luminaire
9517 lm

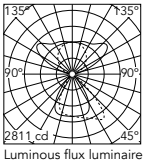
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2107	1.46
2	527	2.93
3	234	4.39
4	132	5.86
5	84	7.32

Optic Asymmetrical - 4000K

Touch Dimming
- 05.6502.40
- 05.6502.40.78
- 05.6502.14

Casambi
- 05.6502.40.CB
- 05.6502.40.C6
- 05.6502.14.CB



Luminous flux luminaire
9956 lm

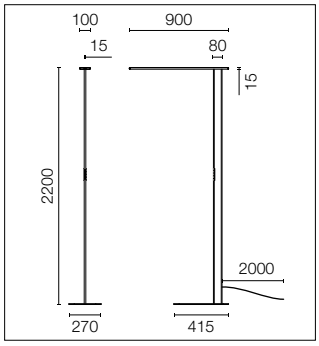
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2190	1.46
2	548	2.93
3	243	4.39
4	137	5.86
5	88	7.32

NEW

Workmates Floor Single

Top LED Full Spectrum 65,4W - 10161 lm - 3000K/CRI 98 / 10264 lm - 3500K/CRI 98 / 10718 lm - 4000K/CRI 98
Up: High Efficiency
Down: Full Spectrum



1-100 | GWT 850° | 5,0 Kg | CE | F | III | LED INCL | IP 20

Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Hocheffiziente Up-Lichtquelle. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. The base is not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

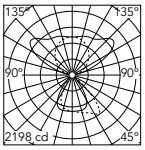
Touch Dimming

- 05.6505.40
- 05.6505.40.78
- 05.6505.14

Casambi

- 05.6505.40.CB
- 05.6505.40.C6
- 05.6505.14.CB

78° ASYMM.



Luminous flux luminaire 8530 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	1558	4.75
2	390	9.50
3	173	14.26
4	97	19.01
5	62	23.76

Optic Asymmetrical - 3500K

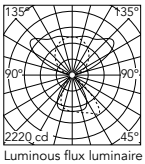
Touch Dimming

- 05.6506.40
- 05.6506.40.78
- 05.6506.14

Casambi

- 05.6506.40.CB
- 05.6506.40.C6
- 05.6506.14.CB

78° ASYMM.



Luminous flux luminaire 8616 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	1574	4.75
2	394	9.50
3	175	14.26
4	98	19.01
5	63	23.76

Optic Asymmetrical - 4000K

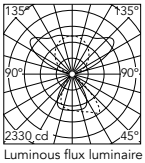
Touch Dimming

- 05.6507.40
- 05.6507.40.78
- 05.6507.14

Casambi

- 05.6507.40.CB
- 05.6507.40.C6
- 05.6507.14.CB

78° ASYMM.



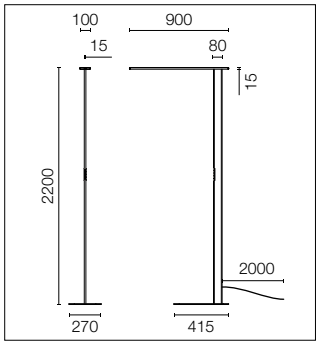
Luminous flux luminaire 9042 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	1652	4.75
2	413	9.50
3	184	14.26
4	103	19.01
5	66	23.76

Workmates Floor Single Smart

Top LED High Efficiency 65,4W - 11359 lm - 3000K/CRI 90 / 11474 lm - 3500K/CRI 90 / 11957 lm - 4000K/CRI 90
Up: High Efficiency
Down: High Efficiency



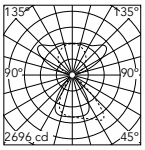
Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Hocheffiziente Up-Lichtquelle. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base is not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6510.40.CB
- 05.6510.40.C6
- 05.6510.14.CB



Luminous flux luminaire
9445 lm

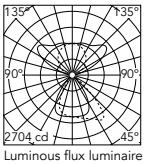
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2101	1.46
2	525	2.93
3	233	4.39
4	131	5.86
5	84	7.32

Optic Asymmetrical - 3500K

Casambi

- 05.6511.40.CB
- 05.6511.40.C6
- 05.6511.14.CB



Luminous flux luminaire
9517 lm

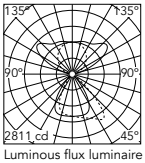
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2107	1.46
2	527	2.93
3	234	4.39
4	132	5.86
5	84	7.32

Optic Asymmetrical - 4000K

Casambi

- 05.6512.40.CB
- 05.6512.40.C6
- 05.6512.14.CB



Luminous flux luminaire
9956 lm

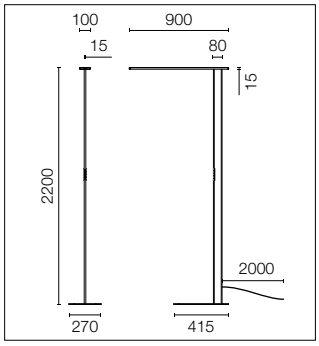
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2190	1.46
2	548	2.93
3	243	4.39
4	137	5.86
5	88	7.32

NEW

Workmates Floor Single Smart

Top LED Full Spectrum 65,4W - 10161 lm - 3000K/CRI 98 / 10264 lm - 3500K/CRI 98 / 10718 lm - 4000K/CRI 98
Up: High Efficiency
Down: Full Spectrum



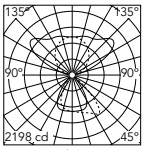
Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Hocheffiziente Up-Lichtquelle. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA.
Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base is not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6515.40.CB
- 05.6515.40.C6
- 05.6515.14.CB



Luminous flux luminaire
8530 lm

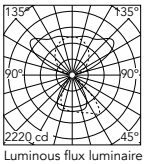
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	1558	4.75
2	390	9.50
3	173	14.26
4	97	19.01
5	62	23.76

Optic Asymmetrical - 3500K

Casambi

- 05.6516.40.CB
- 05.6516.40.C6
- 05.6516.14.CB



Luminous flux luminaire
8616 lm

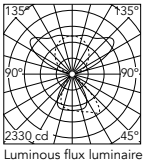
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	1574	4.75
2	394	9.50
3	175	14.26
4	98	19.01
5	63	23.76

Optic Asymmetrical - 4000K

Casambi

- 05.6517.40.CB
- 05.6517.40.C6
- 05.6517.14.CB



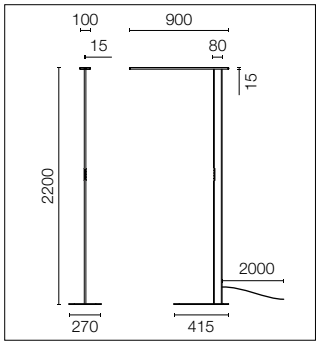
Luminous flux luminaire
9042 lm

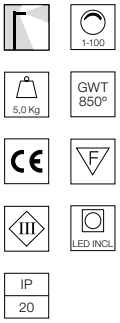
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	1652	4.75
2	413	9.50
3	184	14.26
4	103	19.01
5	66	23.76

Workmates Floor Single Tunable White

Top LED High Efficiency 57,7W - 9127 lm - 3000K/CRI 90 / 9219 lm - 3500K/CRI 90 / 9594 lm - 4000K/CRI 90
Up: High Efficiency - 2700K-5700K/CRI90
Down: High Efficiency





Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base is not included and must be ordered separately. See end of chapter.

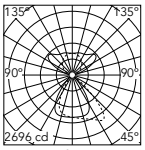
Optic Asymmetrical - 3000K

Touch Dimming

- 05.6520.40
- 05.6520.40.78
- 05.6520.14

Casambi

- 05.6520.40.CB
- 05.6520.40.C6
- 05.6520.14.CB



Luminous flux luminaire
7502 lm

Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2101	1.46
2	525	2.93
3	233	4.39
4	131	5.86
5	84	7.32

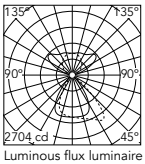
Optic Asymmetrical - 3500K

Touch Dimming

- 05.6521.40
- 05.6521.40.78
- 05.6521.14

Casambi

- 05.6521.40.CB
- 05.6521.40.C6
- 05.6521.14.CB



Luminous flux luminaire
7554 lm

Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2107	1.46
2	527	2.93
3	234	4.39
4	132	5.86
5	84	7.32

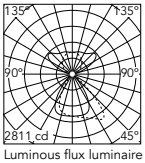
Optic Asymmetrical - 4000K

Touch Dimming

- 05.6522.40
- 05.6522.40.78
- 05.6522.14

Casambi

- 05.6522.40.CB
- 05.6522.40.C6
- 05.6522.14.CB



Luminous flux luminaire
7853 lm

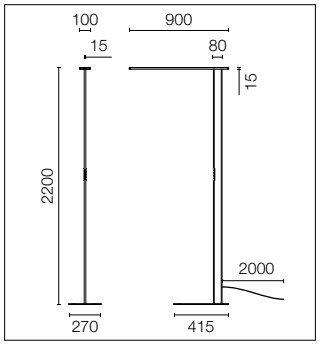
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2190	1.46
2	548	2.93
3	243	4.39
4	137	5.86
5	88	7.32

NEW

Workmates Floor Single Tunable White

Top LED Full Spectrum 57,7W - 7929 lm - 3000K/CRI 98 / 8008 lm - 3500K/CRI 98 / 8355 lm - 4000K/CRI 98
Up: High Efficiency - 2700K-5700K/CRI90
Down: Full Spectrum



Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000. Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. The base is not included and must be ordered separately. See end of chapter.

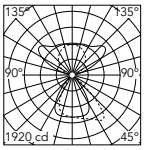
Optic Asymmetrical - 3000K

Touch Dimming

- 05.6525.40
- 05.6525.40.78
- 05.6525.14

Casambi

- 05.6525.40.CB
- 05.6525.40.C6
- 05.6525.14.CB



Luminous flux luminaire
6587 lm

Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	1496	1.46
2	374	2.93
3	166	4.39
4	94	5.86
5	60	7.32

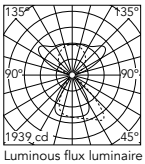
Optic Asymmetrical - 3500K

Touch Dimming

- 05.6526.40
- 05.6526.40.78
- 05.6526.14

Casambi

- 05.6526.40.CB
- 05.6526.40.C6
- 05.6526.14.CB



Luminous flux luminaire
6653 lm

Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	1511	1.46
2	378	2.93
3	168	4.39
4	94	5.86
5	60	7.32

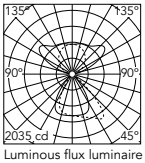
Optic Asymmetrical - 4000K

Touch Dimming

- 05.6527.40
- 05.6527.40.78
- 05.6527.14

Casambi

- 05.6527.40.CB
- 05.6527.40.C6
- 05.6527.14.CB



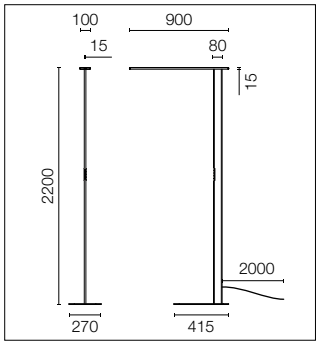
Luminous flux luminaire
6939 lm

Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	1586	1.46
2	396	2.93
3	176	4.39
4	99	5.86
5	63	7.32

Workmates Floor Single Tunable White Smart

Top LED High Efficiency 57,7W - 9127 lm - 3000K/CRI 90 / 9219 lm - 3500K/CRI 90 / 9594 lm - 4000K/CRI 90
Up: High Efficiency - 2700K-5700K/CRI90
Down: High Efficiency



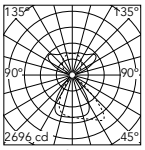
Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant.
The base is not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6530.40.CB
- 05.6530.40.C6
- 05.6530.14.CB



Luminous flux luminaire
7502 lm

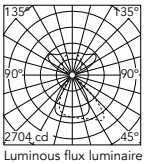
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2101	1.46
2	525	2.93
3	233	4.39
4	131	5.86
5	84	7.32

Optic Asymmetrical - 3500K

Casambi

- 05.6531.40.CB
- 05.6531.40.C6
- 05.6531.14.CB



Luminous flux luminaire
7554 lm

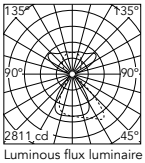
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2107	1.46
2	527	2.93
3	234	4.39
4	132	5.86
5	84	7.32

Optic Asymmetrical - 4000K

Casambi

- 05.6532.40.CB
- 05.6532.40.C6
- 05.6532.14.CB



Luminous flux luminaire
7853 lm

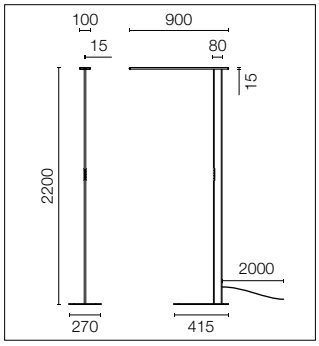
Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	2190	1.46
2	548	2.93
3	243	4.39
4	137	5.86
5	88	7.32

NEW

Workmates Floor Single Tunable White Smart

Top LED Full Spectrum 57,7W - 7929 lm - 3000K/CRI 98 / 8008 lm - 3500K/CRI 98 / 8355 lm - 4000K/CRI 98
Up: High Efficiency - 2700K-5700K/CRI90
Down: Full Spectrum



1-100 | GWT 850° | 5,0 Kg | CE | F | III | LED INCL | IP 20

Stehleuchte. Indirekte einfache abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Lichtquelle *Up* CCT variabel *Tunable White*. Treiber und Stecker enthalten. Wird mit 3 Steckertypen geliefert: EU, UK und USA.
Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel ist nicht im Lieferumfang enthalten und muss separat bestellt werden. Siehe Kapitelende.

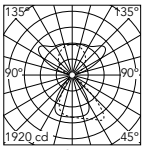
Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and plug included. Supplied with 3 plug types: EU, UK, and USA.
Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base is not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6535.40.CB
- 05.6535.40.C6
- 05.6535.14.CB

76° ASYMM.



Luminous flux luminaire 6587 lm

Beam Angle: - 76°

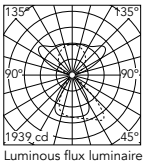
h(m)	E(lx)	D(m)
1	1496	1.46
2	374	2.93
3	166	4.39
4	94	5.86
5	60	7.32

Optic Asymmetrical - 3500K

Casambi

- 05.6536.40.CB
- 05.6536.40.C6
- 05.6536.14.CB

76° ASYMM.



Luminous flux luminaire 6653 lm

Beam Angle: - 76°

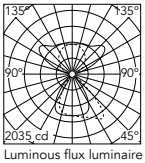
h(m)	E(lx)	D(m)
1	1511	1.46
2	378	2.93
3	168	4.39
4	94	5.86
5	60	7.32

Optic Asymmetrical - 4000K

Casambi

- 05.6537.40.CB
- 05.6537.40.C6
- 05.6537.14.CB

76° ASYMM.



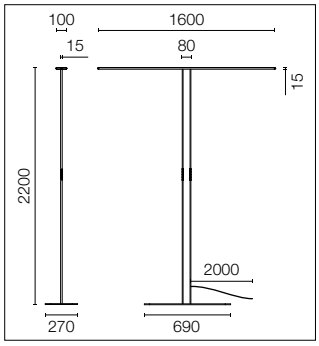
Luminous flux luminaire 6939 lm

Beam Angle: - 76°

h(m)	E(lx)	D(m)
1	1586	1.46
2	396	2.93
3	176	4.39
4	99	5.86
5	63	7.32

Workmates Floor Double

Top LED High Efficiency 112W - 22718 lm - 3000K/CRI 90 / 22948 lm - 3500K/CRI 90 / 23914 lm - 4000K/CRI 90
Up: High Efficiency
Down: High Efficiency



Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Hocheffiziente Up-Lichtquelle. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19.
Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden.
Siehe Kapitelende.

Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

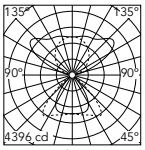
Optic Asymmetrical - 3000K

Touch Dimming

- 05.6700.40
- 05.6700.40.78
- 05.6700.14

Casambi

- 05.6700.40.CB
- 05.6700.40.C6
- 05.6700.14.CB



Luminous flux luminaire
18893 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3117	4.75
2	779	9.50
3	346	14.26
4	195	19.01
5	125	23.76

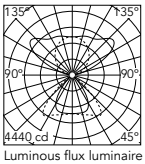
Optic Asymmetrical - 3500K

Touch Dimming

- 05.6701.40
- 05.6701.40.78
- 05.6701.14

Casambi

- 05.6701.40.CB
- 05.6701.40.C6
- 05.6701.14.CB



Luminous flux luminaire
19036 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3148	4.75
2	787	9.50
3	350	14.26
4	197	19.01
5	126	23.76

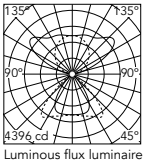
Optic Asymmetrical - 4000K

Touch Dimming

- 05.6702.40
- 05.6702.40.78
- 05.6702.14

Casambi

- 05.6702.40.CB
- 05.6702.40.C6
- 05.6702.14.CB



Luminous flux luminaire
19163 lm

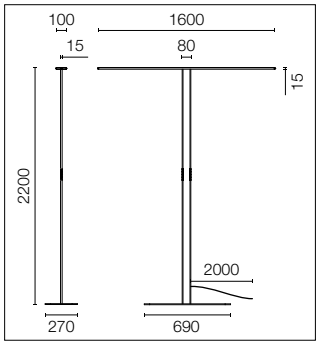
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3117	4.75
2	779	9.50
3	346	14.26
4	195	19.01
5	125	23.76

NEW

Workmates Floor Double

Top LED Full Spectrum 112W - 20322 lm - 3000K/CRI 98 / 20528 lm - 3500K/CRI 98 / 21436 lm - 4000K/CRI 98
Up: High Efficiency
Down: Full Spectrum



1-100 | GWT 850° | 6,7 Kg | CE | F | III | LED INCL | IP 20

Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Hocheffiziente Up-Lichtquelle. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

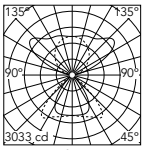
Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Touch Dimming
- 05.6705.40
- 05.6705.40.78
- 05.6705.14

Casambi
- 05.6705.40.CB
- 05.6705.40.C6
- 05.6705.14.CB

78° ASYMM.



Luminous flux luminaire
13176 lm

Beam Angle: - 78°

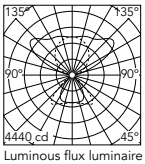
h(m)	E(lx)	D(m)
1	2151	4.75
2	538	9.50
3	239	14.26
4	134	19.01
5	86	23.76

Optic Asymmetrical - 3500K

Touch Dimming
- 05.6706.40
- 05.6706.40.78
- 05.6706.14

Casambi
- 05.6706.40.CB
- 05.6706.40.C6
- 05.6706.14.CB

78° ASYMM.



Luminous flux luminaire
17233 lm

Beam Angle: - 78°

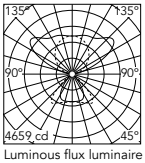
h(m)	E(lx)	D(m)
1	3148	4.75
2	787	9.50
3	350	14.26
4	197	19.01
5	126	23.76

Optic Asymmetrical - 4000K

Touch Dimming
- 05.6707.40
- 05.6707.40.78
- 05.6707.14

Casambi
- 05.6707.40.CB
- 05.6707.40.C6
- 05.6707.14.CB

78° ASYMM.



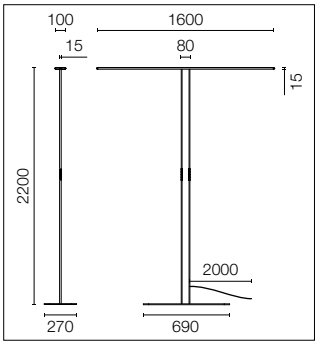
Luminous flux luminaire
18086 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3304	4.75
2	826	9.50
3	367	14.26
4	206	19.01
5	132	23.76

Workmates Floor Double Smart

Top LED High Efficiency 112W - 22718 lm - 3000K/CRI 90 / 22948 lm - 3500K/CRI 90 / 23914 lm - 4000K/CRI 90
Up: High Efficiency
Down: High Efficiency



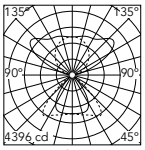
Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Hocheffiziente Up-Lichtquelle. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6710.40.CB
- 05.6710.40.C6
- 05.6710.14.CB



Luminous flux luminaire
18893 lm

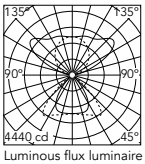
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3117	4.75
2	779	9.50
3	346	14.26
4	195	19.01
5	125	23.76

Optic Asymmetrical - 3500K

Casambi

- 05.6711.40.CB
- 05.6711.40.C6
- 05.6711.14.CB



Luminous flux luminaire
19036 lm

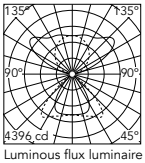
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3148	4.75
2	787	9.50
3	350	14.26
4	197	19.01
5	126	23.76

Optic Asymmetrical - 4000K

Casambi

- 05.6712.40.CB
- 05.6712.40.C6
- 05.6712.14.CB



Luminous flux luminaire
19163 lm

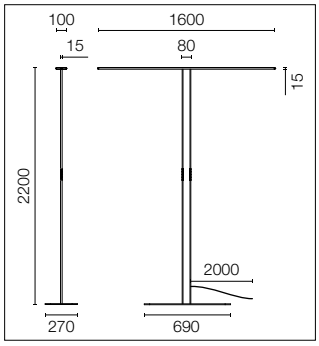
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3117	4.75
2	779	9.50
3	346	14.26
4	195	19.01
5	125	23.76

NEW

Workmates Floor Double Smart

Top LED Full Spectrum 112W - 20322 lm - 3000K/CRI 98 / 20528 lm - 3500K/CRI 98 / 21436 lm - 4000K/CRI 98
Up: High Efficiency
Down: Full Spectrum



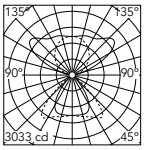
Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Hocheffiziente Up-Lichtquelle. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source.
Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6715.40.CB
- 05.6715.40.C6
- 05.6715.14.CB



Luminous flux luminaire
13176 lm

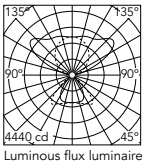
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	2151	4.75
2	538	9.50
3	239	14.26
4	134	19.01
5	86	23.76

Optic Asymmetrical - 3500K

Casambi

- 05.6716.40.CB
- 05.6716.40.C6
- 05.6716.14.CB



Luminous flux luminaire
17233 lm

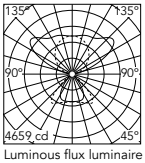
Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3148	4.75
2	787	9.50
3	350	14.26
4	197	19.01
5	126	23.76

Optic Asymmetrical - 4000K

Casambi

- 05.6717.40.CB
- 05.6717.40.C6
- 05.6717.14.CB



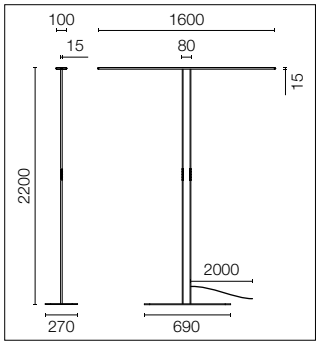
Luminous flux luminaire
18086 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	3304	4.75
2	826	9.50
3	367	14.26
4	206	19.01
5	132	23.76

Workmates Floor Double Tunable White

Top LED High Efficiency 96W - 18254 lm - 3000K/CRI 90 / 18438 lm - 3500K/CRI 90 / 19188 lm - 4000K/CRI 90
Up: High Efficiency - 2700K-5700K/CRI90
Down: High Efficiency



Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Lichtquelle *Up* CCT variabel *Tunable White*. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld.
UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad.
UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

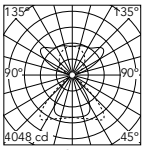
Optic Asymmetrical - 3000K

Touch Dimming

- 05.6720.40
- 05.6720.40.78
- 05.6720.14

Casambi

- 05.6720.40.CB
- 05.6720.40.C6
- 05.6720.14.CB



Luminous flux luminaire
15006 lm

Beam Angle: - 95°

h(m)	E(lx)	D(m)
1	3182	1.53
2	795	3.05
3	354	4.58
4	199	6.11
5	127	7.64

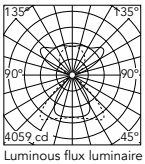
Optic Asymmetrical - 3500K

Touch Dimming

- 05.6721.40
- 05.6721.40.78
- 05.6721.14

Casambi

- 05.6721.40.CB
- 05.6721.40.C6
- 05.6721.14.CB



Luminous flux luminaire
15110 lm

Beam Angle: - 95°

h(m)	E(lx)	D(m)
1	3191	1.53
2	798	3.05
3	355	4.58
4	199	6.11
5	128	7.64

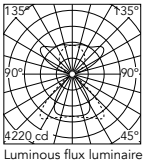
Optic Asymmetrical - 4000K

Touch Dimming

- 05.6722.40
- 05.6722.40.78
- 05.6722.14

Casambi

- 05.6722.40.CB
- 05.6722.40.C6
- 05.6722.14.CB



Luminous flux luminaire
15708 lm

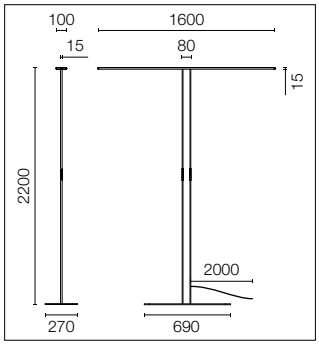
Beam Angle: - 95°

h(m)	E(lx)	D(m)
1	3317	1.53
2	829	3.05
3	369	4.58
4	207	6.11
5	133	7.64

NEW

Workmates Floor Double Tunable White

Top LED Full Spectrum 96W - 15858 lm - 3000K/CRI 98 / 16016 lm - 3500K/CRI 98 / 16710 lm - 4000K/CRI 98
Up: High Efficiency - 2700K-5700K/CRI90
Down: Full Spectrum



1-100
6,7 Kg
GWT 850°
LED INCL
IP 20

Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Lichtquelle *Up* CCT variabel *Tunable White*. *Casambi*-Funksteuerung und integriertes manuelles kapazitives *Touch Dimming*-Tastenfeld. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

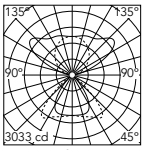
Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Touch Dimming
- 05.6725.40
- 05.6725.40.78
- 05.6725.14

Casambi
- 05.6725.40.CB
- 05.6725.40.C6
- 05.6725.14.CB

78° ASYMM.



Luminous flux luminaire
13176 lm

Beam Angle: - 78°

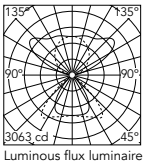
h(m)	E(lx)	D(m)
1	2151	4.75
2	538	9.50
3	239	14.26
4	134	19.01
5	86	23.76

Optic Asymmetrical - 3500K

Touch Dimming
- 05.6726.40
- 05.6726.40.78
- 05.6726.14

Casambi
- 05.6726.40.CB
- 05.6726.40.C6
- 05.6726.14.CB

78° ASYMM.



Luminous flux luminaire
13307 lm

Beam Angle: - 78°

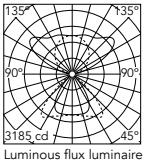
h(m)	E(lx)	D(m)
1	2172	4.75
2	543	9.50
3	241	14.26
4	136	19.01
5	87	23.76

Optic Asymmetrical - 4000K

Touch Dimming
- 05.6727.40
- 05.6727.40.78
- 05.6727.14

Casambi
- 05.6727.40.CB
- 05.6727.40.C6
- 05.6727.14.CB

78° ASYMM.



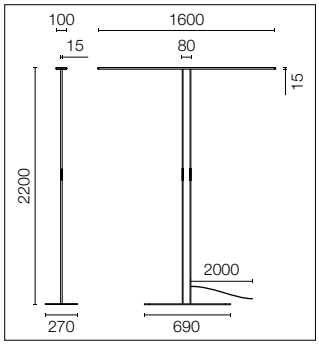
Luminous flux luminaire
13880 lm

Beam Angle: - 78°

h(m)	E(lx)	D(m)
1	2258	4.75
2	565	9.50
3	251	14.26
4	141	19.01
5	90	23.76

Workmates Floor Double Tunable White Smart

Top LED High Efficiency 96W - 18254 lm - 3000K/CRI 90 / 18438 lm - 3500K/CRI 90 / 19188 lm - 4000K/CRI 90
Up: High Efficiency - 2700K-5700K/CRI90
Down: High Efficiency



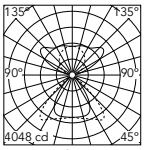
Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische Down-Lichtquelle mit hoher Effizienz und perfekter Homogenität in der Funktionsebene, die bis zu 2 Meter versetzt ist. Lichtquelle *Up* CCT variabel *Tunable White*. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19.
Entspricht EN12464 - cd/m² @ 65º<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19.
EN12464 - cd/m² @ 65º<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6730.40.CB
- 05.6730.40.C6
- 05.6730.14.CB



Luminous flux luminaire
15006 lm

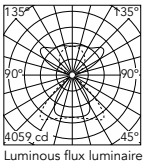
Beam Angle: - 95°

h(m)	E(lx)	D(m)
1	3182	1.53
2	795	3.05
3	354	4.58
4	199	6.11
5	127	7.64

Optic Asymmetrical - 3500K

Casambi

- 05.6731.40.CB
- 05.6731.40.C6
- 05.6731.14.CB



Luminous flux luminaire
15110 lm

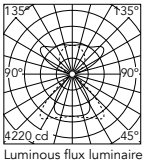
Beam Angle: - 95°

h(m)	E(lx)	D(m)
1	3191	1.53
2	798	3.05
3	355	4.58
4	199	6.11
5	128	7.64

Optic Asymmetrical - 4000K

Casambi

- 05.6732.40.CB
- 05.6732.40.C6
- 05.6732.14.CB



Luminous flux luminaire
15708 lm

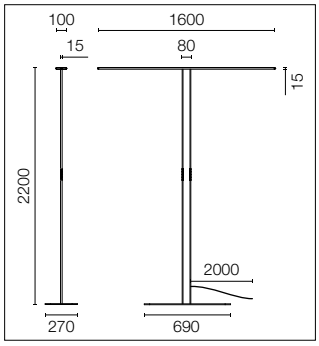
Beam Angle: - 95°

h(m)	E(lx)	D(m)
1	3317	1.53
2	829	3.05
3	369	4.58
4	207	6.11
5	133	7.64

NEW

Workmates Floor Double Tunable White Smart

Top LED Full Spectrum 96W - 15858 lm - 3000K/CRI 98 / 16016 lm - 3500K/CRI 98 / 16710 lm - 4000K/CRI 98
Up: High Efficiency - 2700K-5700K/CRI90
Down: Full Spectrum



1-100 | GWT 850° | 6,7 Kg | CE | F | III | LED INCL | IP 20

Stehleuchte. Indirekte doppelt abstrahlende *Up&Down*-Leuchte mit höherem Lichtstrom im oberen Bereich. Asymmetrische *Full Spectrum* Down-Lichtquelle mit hochwertiger Farbwiedergabe und perfekter Homogenität in der Funktionsebene bis zu 2 Metern. Lichtquelle *Up* CCT variabel *Tunable White*. Smarte Version mit integrierten Anwesenheits- und Helligkeits lensensoren. Drahtlose *Casambi*-Steuerung. UGR<19. Entspricht EN12464 - cd/m² @ 65°<3000.
Der Sockel und das Netzteil sind nicht im Lieferumfang enthalten und müssen separat bestellt werden. Siehe Kapitelende.

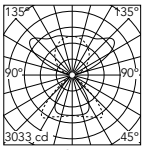
Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.
The base and power supply are not included and must be ordered separately. See end of chapter.

Optic Asymmetrical - 3000K

Casambi

- 05.6735.40.CB
- 05.6735.40.C6
- 05.6735.14.CB

78° ASYMM.



Luminous flux luminaire 13176 lm

Beam Angle: - 78°

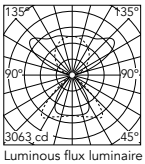
h(m)	E(lx)	D(m)
1	2151	4.75
2	538	9.50
3	239	14.26
4	134	19.01
5	86	23.76

Optic Asymmetrical - 3500K

Casambi

- 05.6736.40.CB
- 05.6736.40.C6
- 05.6736.14.CB

78° ASYMM.



Luminous flux luminaire 13307 lm

Beam Angle: - 78°

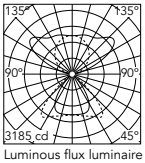
h(m)	E(lx)	D(m)
1	2172	4.75
2	543	9.50
3	241	14.26
4	136	19.01
5	87	23.76

Optic Asymmetrical - 4000K

Casambi

- 05.6737.40.CB
- 05.6737.40.C6
- 05.6737.14.CB

78° ASYMM.



Luminous flux luminaire 13880 lm

Beam Angle: - 78°

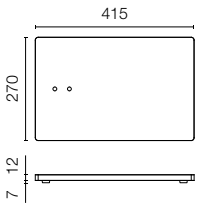
h(m)	E(lx)	D(m)
1	2258	4.75
2	565	9.50
3	251	14.26
4	141	19.01
5	90	23.76

Zubehör / Accessories

Workmates Floor Single

Solide Basisplatte.

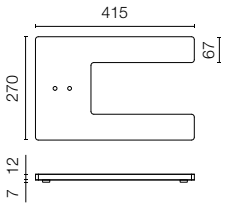
Solid Base Plate.



☐ 08.1040.40
■ 08.1040.14

Offene Basisplatte.

Open Base Plate.

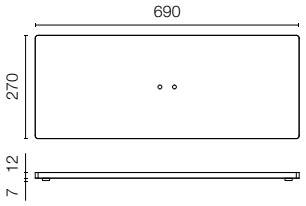


☐ 08.1041.40
■ 08.1041.14

Workmates Floor Double

Solide Basisplatte.

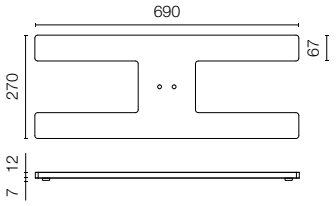
Solid Base Plate.



☐ 08.1060.40
■ 08.1060.14

Offene Basisplatte.

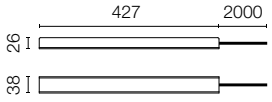
Open Base Plate.



☐ 08.1061.40
■ 08.1061.14

Stromversorgungskit.
Treiber und Stecker enthalten.
(Europäischer Stecker, 2-polig).

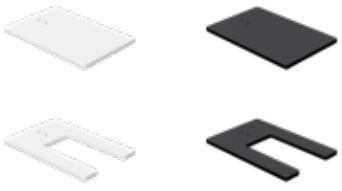
Power Supply Kit.
Driver and plug included.
(European Plug 2 poles).



150W - 220/240V
☐ 06.0500.40
■ 06.0500.14

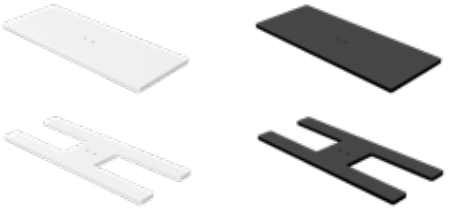
Workmates Floor Single

☐ White ■ Black



Workmates Floor Double

☐ White ■ Black



Power Supply Kit

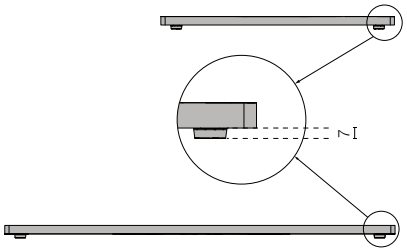
☐ White ■ Black

NEW

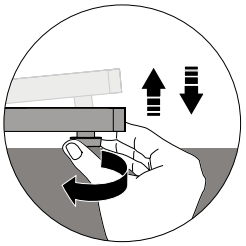
Verstellbare Basishöhe abhängig von der Einschraubtiefe der Schraube.

Adjustable base height depending on screw insertion depth.

1



2

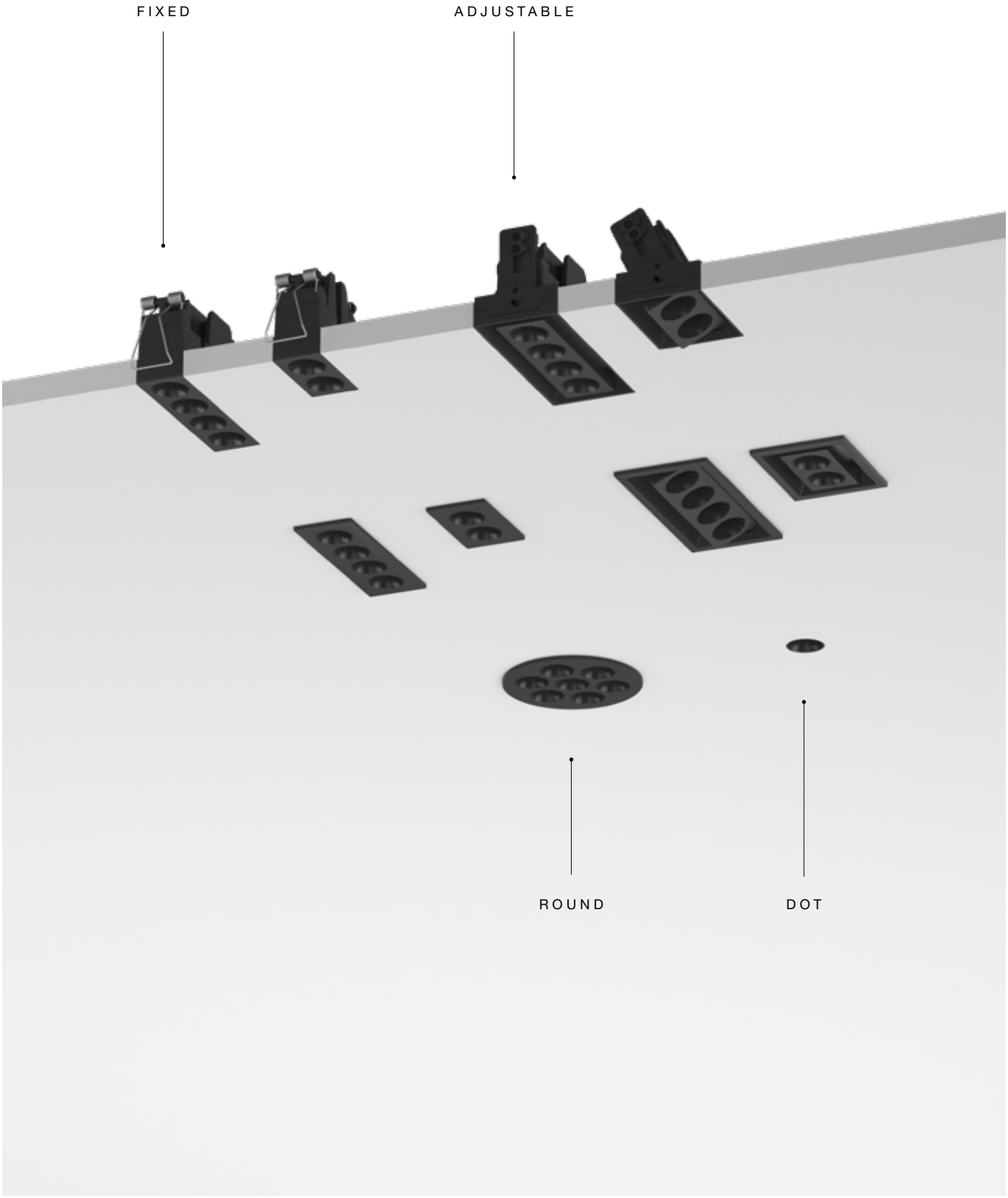


Min: 7 mm - Max: 20 mm

NEW

LIGHT SHADOW MINI

DESIGNED BY FLOS ARCHITECTURAL



NEW

Produktbeschreibung
Light Shadow Mini ist eine Familie von Innenleuchten im kompakten Format.
Dank ihrer Hauptmerkmale —ultrakleine Abmessungen, hohe Leistung und hervorragende Abschirmung— fügt sie sich dezent und elegant in jeden Raum ein.
Sie integriert ein hocheffizientes FLOS LED-Modul mit fortschrittlicher Technologie, maßgeschneiderter Optik und einem patentierten System von Kegeln mit inverser Krümmung, das garantiert:
- Optimale Leistung.
- Farbgenauigkeit.
- Gleichmäßige Verteilung ohne Verluste.
- Weniger Blendung.
- Höherer Sehkomfort.

Verfügbare Versionen
- 1 Spot fix (Trim / No Trim).
- 2 / 4 Spot fix / verstellbar (Trim / No Trim).
- Round Fix (Trim).
Die Familie bietet Spot-, Medium- und Flood-Optiken, die Akzent-, Zwischen- und Allgemeinbeleuchtung ermöglichen.

Oberflächen
Für dekorativere Anwendungen bietet Light Shadow Mini eine Auswahl an Oberflächen, mit denen die Leuchte je nach Raum individuell gestaltet werden kann:
- Außen: weiß und schwarz.
- Innen: weiß, Stahl, Bronze, Kupfer und schwarz (hoher optischer Komfort).

Stromversorgungen
On/Off, DALI dimmbar, Mains Dim und Casambi Versionen erhältlich je nach Treiber (separat zu bestellen).

Zubehör
Für die Version No Trim ist ein Vorinstallationsrahmen für abgehängte Decken erforderlich (separat erhältlich). Nicht notwendig bei der Version Trim.

Zusätzliche Informationen
- UGR < 10.
- Schutzart IP55.
- Isolationsklasse III.

Normenkonformität und Qualitätszeichen
Leuchte konform mit der Europäischen Technischen Norm EN60598-1 und zugehörigen Teilen.

Bitte prüfen Sie vor der Bestellung die Produktdetails auch auf der professionellen FLOS-Website, im Datenblatt und in den Installations- und Montageanleitungen, um alle Informationen zu erhalten, die in diesem Katalog nicht enthalten sind, aber für Ihr Projekt oder Ihre spezifische Installation relevant sein können.

Description
Light Shadow Mini is a family of indoor luminaires in a compact format.
Thanks to its main features —ultra-small dimensions, high performance, and excellent shielding— it integrates discreetly and elegantly into any space.
It incorporates a high-efficiency FLOS LED module with advanced technology, custom-designed optics, and a patented inverted-curvature cone system, ensuring:
- Optimal performance.
- Color accuracy.
- Uniform distribution without losses.
- Reduced glare.
- Enhanced visual comfort.

Available versions
- 1 spot fix (Trim / No Trim).
- 2 / 4 spot fix / adjustable (Trim / No Trim).
- Round Fix (Trim).
The family offers Spot, Medium, and Flood optics, enabling accent, intermediate, and general lighting solutions.

Finishes
For more decorative applications, Light Shadow Mini includes a range of finishes to customize the luminaire according to the space:
- Exteriors: white and black.
- Interiors: white, steel, bronze, copper, and black (high optical comfort).

Power units
On/Off, DALI dimmable, Mains Dim, and Casambi versions available depending on the driver (to be ordered separately).

Accessories
For the No Trim version, a pre-installation frame is required for false ceilings (purchased separately). Not necessary in the Trim version.

Additional information
- UGR < 10.
- Protection rating IP55.
- Insulation class III.

Compliance and Quality Marks
Luminaire compliant with European Technical Standard EN60598-1 and related parts.

Before placing your order, please check product details on the professional FLOS website, as well as the technical sheet and installation instructions, to ensure you have all the information not included in this catalogue but relevant to your project or specific installation.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

LIGHT SHADOW MINI

DESIGNED BY FLOS ARCHITECTURAL

DOTS

LIGHT SOURCE
POWER LED
1,5W
148 lm
2700K/CRI 90
155 lm
3000K/CRI 90

ROUND TRIM

LIGHT SOURCE
POWER LED
6,1W
658 lm
2700K/CRI 90
681 lm
3000K/CRI 90

FIXED TRIM/NO TRIM 2 SPOTS

LIGHT SOURCE
POWER LED
3,1W
295 lm
2700K/CRI 90
309 lm
3000K/CRI 90

ADJUSTABLE TRIM/NO TRIM 2 SPOTS

LIGHT SOURCE
POWER LED
3,1W
295 lm
2700K/CRI 90
309 lm
3000K/CRI 90

FIXED TRIM/NO TRIM 4 SPOTS

LIGHT SOURCE
POWER LED
6,2W
590 lm
2700K/CRI 90
618 lm
3000K/CRI 90

ADJUSTABLE TRIM / NO TRIM 4 SPOTS

LIGHT SOURCE
POWER LED
6,2W
590 lm
2700K/CRI 90
618 lm
3000K/CRI 90

NEW

Finish innen / Internal Finish

Light Shadow Mini Dots / Round Trim / Fixed / Adjustable

Weiss
White

HIGH COMFORT

Schwarz
Black

Kupfer
Copper

Stahl
Steel

Bronze
Bronze

Finish außen White / External Finish White

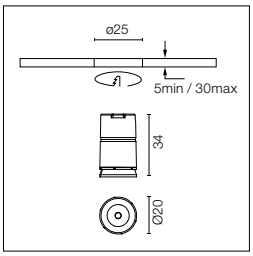
Light Shadow Mini Round Trim / Fixed / Adjustable

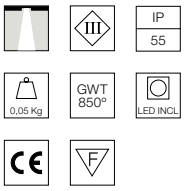
Finish außen Black / External Finish Black

Light Shadow Mini Round Trim / Fixed / Adjustable

Light Shadow Mini Dots

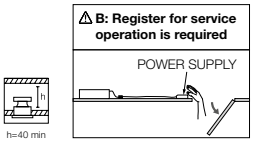
Power LED 1,5W - 148 lm - 2700K/CRI 90 / 1,5W - 155 lm - 3000K/CRI 90





LED-Beleuchtungskörper zur Einsetzung in die Einbaurahmen (mit/ohne Blende). Erfordert einen Vorinstallationrahmen, der separat bestellt werden muss. Installation durch ein Bajonett-System mit austauschbaren Spots. Verfügbar in Einzellampenversionen und Gruppen von zwei und vier Lampen. Treiber nicht enthalten.

LED lighting luminaire to be inserted in the recessed frames (Trim/No Trim). It requires a pre-installation frame, to be ordered separately. Installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included.



Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠
No Dimmable	60.7887	1	B
No Dimmable	60.9954.0500	1 - 12	B
Dali 2	60.7744	2 - 3	B
Dali 2	60.9957.0500	2 - 12	B
Casambi	60.9874.0500	4 - 6	B
Casambi	60.9207	3 - 12	B
1-10V	60.9188	1 - 8	B
1-10V	60.9439	4 - 12	B
Mains Dimming	60.9467	2 - 8	B

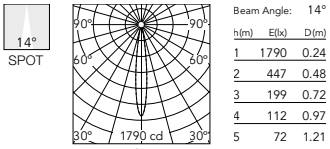
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

Set of 1 spot
- 05.8400.40
- 05.8400.14
- 05.8400.ER
- 05.8400.ES
- 05.8400.EQ

Set of 2 spots
- 05.8410.40
- 05.8410.14
- 05.8410.ER
- 05.8410.ES
- 05.8410.EQ

Set of 4 spots
- 05.8420.40
- 05.8420.14
- 05.8420.ER
- 05.8420.ES
- 05.8420.EQ



Luminous flux luminaire 133 lm

@White (40)

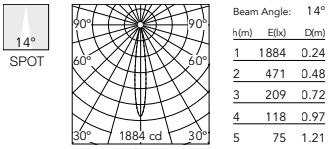
Beam Angle:	14°
h(m)	E(lx)	D(m)
1	1790	0.24
2	447	0.48
3	199	0.72
4	112	0.97
5	72	1.21

Optic Spot 3000K

Set of 1 spots
- 05.8405.40
- 05.8405.14
- 05.8405.ER
- 05.8405.ES
- 05.8405.EQ

Set of 2 spots
- 05.8415.40
- 05.8415.14
- 05.8415.ER
- 05.8415.ES
- 05.8415.EQ

Set of 4 spots
- 05.8425.40
- 05.8425.14
- 05.8425.ER
- 05.8425.ES
- 05.8425.EQ



Luminous flux luminaire 140 lm

@White (40)

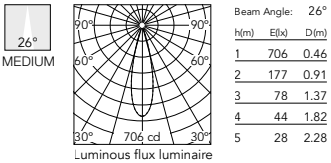
Beam Angle:	14°
h(m)	E(lx)	D(m)
1	1884	0.24
2	471	0.48
3	209	0.72
4	118	0.97
5	75	1.21

Optic Medium 2700K

Set of 1 spots
- 05.8401.40
- 05.8401.14
- 05.8401.ER
- 05.8401.ES
- 05.8401.EQ

Set of 2 spots
- 05.8411.40
- 05.8411.14
- 05.8411.ER
- 05.8411.ES
- 05.8411.EQ

Set of 4 spots
- 05.8421.40
- 05.8421.14
- 05.8421.ER
- 05.8421.ES
- 05.8421.EQ



Luminous flux luminaire 136 lm

@White (40)

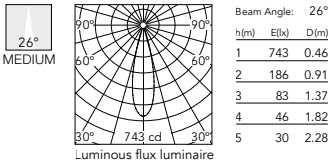
Beam Angle:	26°
h(m)	E(lx)	D(m)
1	706	0.46
2	177	0.91
3	78	1.37
4	44	1.82
5	28	2.28

Optic Medium 3000K

Set of 1 spots
- 05.8406.40
- 05.8406.14
- 05.8406.ER
- 05.8406.ES
- 05.8406.EQ

Set of 2 spots
- 05.8416.40
- 05.8416.14
- 05.8416.ER
- 05.8416.ES
- 05.8416.EQ

Set of 4 spots
- 05.8426.40
- 05.8426.14
- 05.8426.ER
- 05.8426.ES
- 05.8426.EQ



Luminous flux luminaire 143 lm

@White (40)

Beam Angle:	26°
h(m)	E(lx)	D(m)
1	743	0.46
2	186	0.91
3	83	1.37
4	46	1.82
5	30	2.28

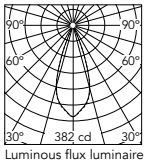
NEW

Optic Flood
2700K

Set of 1 spots
- 05.8402.40
- 05.8402.14
- 05.8402.ER
- 05.8402.ES
- 05.8402.EQ

Set of 2 spots
- 05.8412.40
- 05.8412.14
- 05.8412.ER
- 05.8412.ES
- 05.8412.EQ

Set of 4 spots
- 05.8422.40
- 05.8422.14
- 05.8422.ER
- 05.8422.ES
- 05.8422.EQ



Luminous flux luminaire
134 lm

@White (40)

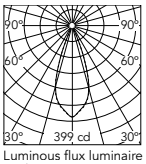
Beam Angle:	37°
h(m)	E(lx) D(m)
1	382 0.68
2	95 1.35
3	42 2.03
4	24 2.71
5	15 3.39

Optic Flood
3000K

Set of 1 spots
- 05.8407.40
- 05.8407.14
- 05.8407.ER
- 05.8407.ES
- 05.8407.EQ

Set of 2 spots
- 05.8417.40
- 05.8417.14
- 05.8417.ER
- 05.8417.ES
- 05.8417.EQ

Set of 4 spots
- 05.8427.40
- 05.8427.14
- 05.8427.ER
- 05.8427.ES
- 05.8427.EQ

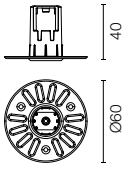
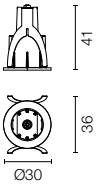
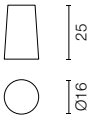


Luminous flux luminaire
140 lm

@White (40)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	399 0.68
2	100 1.35
3	44 2.03
4	25 2.71
5	16 3.39

Zubehör / Accessories: Light Shadow Mini Dot

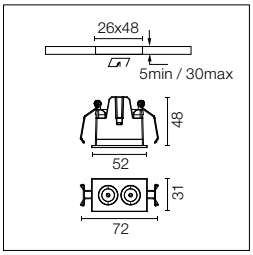
Vorinstallationsrahmen No Trim	Frame No Trim			08.1050.00
Vorinstallationsrahmen Trim	Frame Trim			08.1053.14 08.1053.40
Ausbauwerkzeug. Zubehör, um das Produkt nach der Installation herauszunehmen.	Extraction tool. Accessory to remove the product once installed.			08.1062.90

NEW

LIGHT SHADOW MINI

Light Shadow Mini Fixed Trim 2 Spots

Power LED 3,1W - 295 lm - 2700K/CRI 90 / 3,1W - 309 lm - 3000K/CRI 90



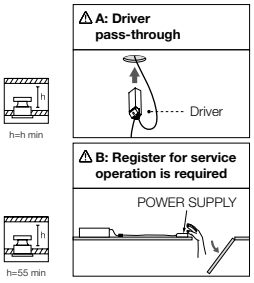
IP 55 | III | 0,12 Kg | GWT 850° | LED INCL

Fest eingebaute Leuchte mit 2 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Kein Vorinstallationsrahmen erforderlich.

E = Äußeres Finish
I = Inneres Finish

Fixed recessed luminaire with 2 LED lighting spots. Remote power supply not included (220-240V). No pre-installation frame required.

E = External Finish
I = Internal Finish



Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 6	A	80
Dali 2	60.7744	1 - 2	A	60
Dali 2	60.9957.0500	1 - 6	A	80
Casambi	60.9874.0500	2 - 3	A	150
Casambi	60.9207	2 - 6	B	-
1-10V	60.9188	1 - 4	B	-
1-10V	60.9439	2 - 6	B	-
Mains Dimming	60.9467	1 - 4	B	-

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E I
05.8500.14
05.8500.40

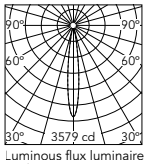
05.8501.14
05.8501.40

05.8502.14
05.8502.40

05.8503.14
05.8503.40

05.8504.14
05.8504.40

14° SPOT



Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3579	0.24
2	895	0.48
3	398	0.72
4	224	0.97
5	143	1.21

Optic Spot 3000K

E I
05.8520.14
05.8520.40

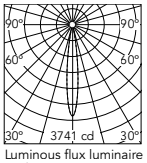
05.8521.14
05.8521.40

05.8522.14
05.8522.40

05.8523.14
05.8523.40

05.8524.14
05.8524.40

14° SPOT



Luminous flux luminaire 278 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3741	0.24
2	935	0.48
3	416	0.72
4	234	0.97
5	150	1.21

Optic Medium 2700K

E I
05.8505.14
05.8505.40

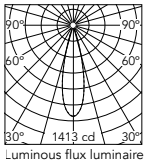
05.8506.14
05.8506.40

05.8507.14
05.8507.40

05.8508.14
05.8508.40

05.8509.14
05.8509.40

26° MEDIUM



Luminous flux luminaire 272 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1413	0.46
2	353	0.91
3	157	1.37
4	88	1.82
5	57	2.28

Optic Medium 3000K

E I
05.8525.14
05.8525.40

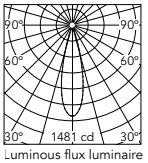
05.8526.14
05.8526.40

05.8527.14
05.8527.40

05.8528.14
05.8528.40

05.8529.14
05.8529.40

26° MEDIUM



Luminous flux luminaire 285 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1481	0.46
2	370	0.91
3	165	1.37
4	93	1.82
5	59	2.28

Optic Flood 2700K

E I
05.8510.14
05.8510.40

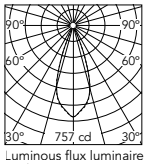
05.8511.14
05.8511.40

05.8512.14
05.8512.40

05.8513.14
05.8513.40

05.8514.14
05.8514.40

37° FLOOD



Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	757	0.68
2	189	1.35
3	84	2.03
4	47	2.71
5	30	3.39

Optic Flood 3000K

E I
05.8530.14
05.8530.40

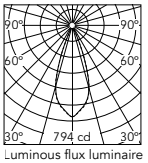
05.8531.14
05.8531.40

05.8532.14
05.8532.40

05.8533.14
05.8533.40

05.8534.14
05.8534.40

37° FLOOD



Luminous flux luminaire 279 lm

@White (40)

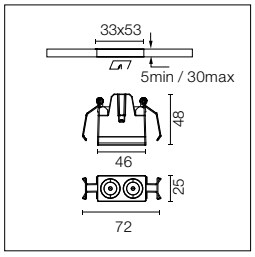
Beam Angle: 37°

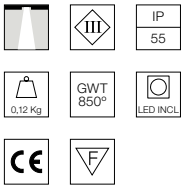
h(m)	E(lx)	D(m)
1	794	0.68
2	199	1.35
3	88	2.03
4	50	2.71
5	32	3.39

NEW

Light Shadow Mini Fixed No Trim 2 Spots

Power LED 3,1W - 295 lm - 2700K/CRI 90 / 3,1W - 309 lm - 3000K/CRI 90



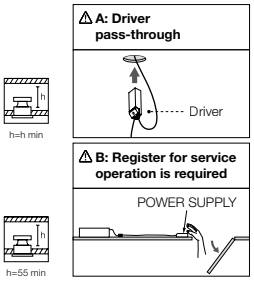


Fest eingebaute Leuchte mit 2 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Erfordert einen Vorinstallationrahmen, der separat bestellt werden muss.

E = Äußeres Finish
I = Inneres Finish

Fixed recessed luminaire with 2 LED lighting spots. Remote power supply not included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish



Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 6	A	80
Dali 2	60.7744	1 - 2	A	60
Dali 2	60.9957.0500	1 - 6	A	80
Casambi	60.9874.0500	2 - 3	A	150
Casambi	60.9207	2 - 6	B	-
1-10V	60.9188	1 - 4	B	-
1-10V	60.9439	2 - 6	B	-
Mains Dimming	60.9467	1 - 4	B	-

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

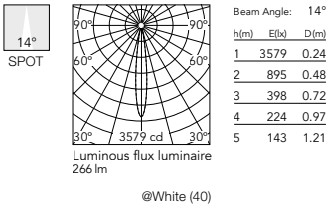
E I
05.8540.14
05.8540.40

05.8541.14
05.8541.40

05.8542.14
05.8542.40

05.8543.14
05.8543.40

05.8544.14
05.8544.40



Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3579	0.24
2	895	0.48
3	398	0.72
4	224	0.97
5	143	1.21

Optic Spot 3000K

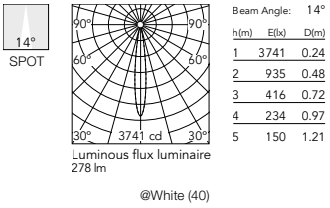
E I
05.8560.14
05.8560.40

05.8561.14
05.8561.40

05.8562.14
05.8562.40

05.8563.14
05.8563.40

05.8564.14
05.8564.40



Luminous flux luminaire 278 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3741	0.24
2	935	0.48
3	416	0.72
4	234	0.97
5	150	1.21

Optic Medium 2700K

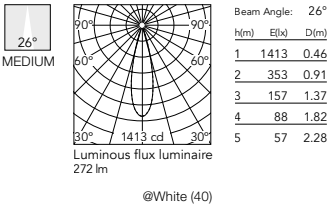
E I
05.8545.14
05.8545.40

05.8546.14
05.8546.40

05.8547.14
05.8547.40

05.8548.14
05.8548.40

05.8549.14
05.8549.40



Luminous flux luminaire 272 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1413	0.46
2	353	0.91
3	157	1.37
4	88	1.82
5	57	2.28

Optic Medium 3000K

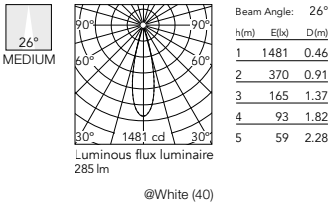
E I
05.8565.14
05.8565.40

05.8566.14
05.8566.40

05.8567.14
05.8567.40

05.8568.14
05.8568.40

05.8569.14
05.8569.40



Luminous flux luminaire 285 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1481	0.46
2	370	0.91
3	165	1.37
4	93	1.82
5	59	2.28

Optic Flood 2700K

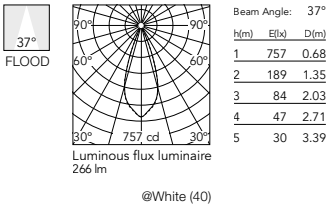
E I
05.8550.14
05.8550.40

05.8551.14
05.8551.40

05.8552.14
05.8552.40

05.8553.14
05.8553.40

05.8554.14
05.8554.40



Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	757	0.68
2	189	1.35
3	84	2.03
4	47	2.71
5	30	3.39

Optic Flood 3000K

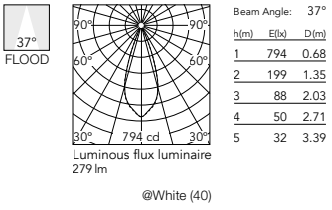
E I
05.8570.14
05.8570.40

05.8571.14
05.8571.40

05.8572.14
05.8572.40

05.8573.14
05.8573.40

05.8574.14
05.8574.40



Luminous flux luminaire 279 lm

@White (40)

Beam Angle: 37°

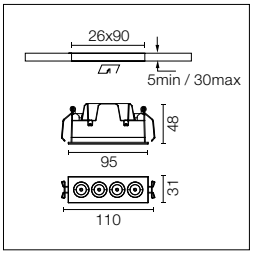
h(m)	E(lx)	D(m)
1	794	0.68
2	199	1.35
3	88	2.03
4	50	2.71
5	32	3.39

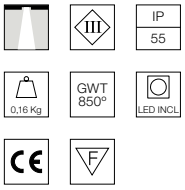
NEW

LIGHT SHADOW MINI

Light Shadow Mini Fixed Trim 4 Spots

Power LED 6,2W - 590 lm - 2700K/CRI 90 / 6,2W - 618 lm - 3000K/CRI 90



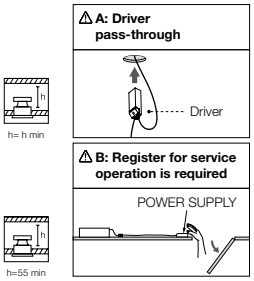


Fest eingebaute Leuchte mit 4 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Kein Vorinstallationsrahmen erforderlich.

E = Äußeres Finish
I = Inneres Finish

Fixed recessed luminaire with 4 LED lighting spots. Remote power supply not included (220-240V). No pre-installation frame required.

E = External Finish
I = Internal Finish



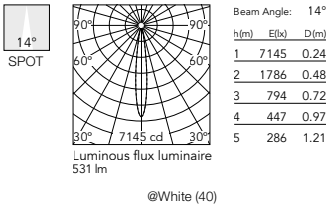
Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 3	A	50
Dali 2	60.7744	1	A	50
Dali 2	60.9957.0500	1 - 3	A	50
Casambi	60.9874.0500	1	A	80
Casambi	60.9207	1 - 3	B	-
1-10V	60.9188	1 - 2	A	70
1-10V	60.9439	1 - 3	B	-
Mains Dimming	60.9467	1 - 2	A	70

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E	I	
		05.8600.14 / 05.8600.40
		05.8601.14 / 05.8601.40
		05.8602.14 / 05.8602.40
		05.8603.14 / 05.8603.40
		05.8604.14 / 05.8604.40



Beam Angle: 14°

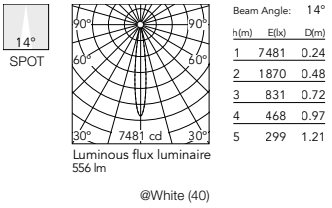
h(m)	E(lx)	D(m)
1	7145	0.24
2	1786	0.48
3	794	0.72
4	447	0.97
5	286	1.21

Luminous flux luminaire 531 lm

@White (40)

Optic Spot 3000K

E	I	
		05.8620.14 / 05.8620.40
		05.8621.14 / 05.8621.40
		05.8622.14 / 05.8622.40
		05.8623.14 / 05.8623.40
		05.8624.14 / 05.8624.40



Beam Angle: 14°

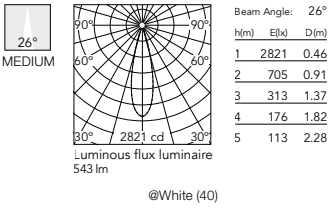
h(m)	E(lx)	D(m)
1	7481	0.24
2	1870	0.48
3	831	0.72
4	468	0.97
5	299	1.21

Luminous flux luminaire 556 lm

@White (40)

Optic Medium 2700K

E	I	
		05.8605.14 / 05.8605.40
		05.8606.14 / 05.8606.40
		05.8607.14 / 05.8607.40
		05.8608.14 / 05.8608.40
		05.8609.14 / 05.8609.40



Beam Angle: 26°

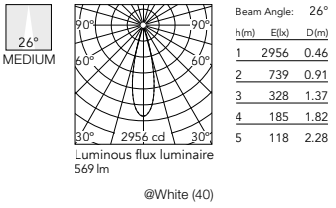
h(m)	E(lx)	D(m)
1	2821	0.46
2	705	0.91
3	313	1.37
4	176	1.82
5	113	2.28

Luminous flux luminaire 543 lm

@White (40)

Optic Medium 3000K

E	I	
		05.8625.14 / 05.8625.40
		05.8626.14 / 05.8626.40
		05.8627.14 / 05.8627.40
		05.8628.14 / 05.8628.40
		05.8629.14 / 05.8629.40



Beam Angle: 26°

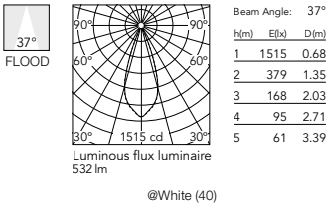
h(m)	E(lx)	D(m)
1	2956	0.46
2	739	0.91
3	328	1.37
4	185	1.82
5	118	2.28

Luminous flux luminaire 569 lm

@White (40)

Optic Flood 2700K

E	I	
		05.8610.14 / 05.8610.40
		05.8611.14 / 05.8611.40
		05.8612.14 / 05.8612.40
		05.8613.14 / 05.8613.40
		05.8614.14 / 05.8614.40



Beam Angle: 37°

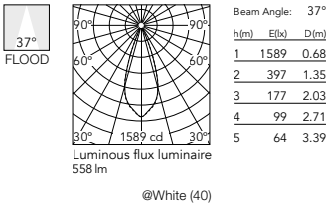
h(m)	E(lx)	D(m)
1	1515	0.68
2	379	1.35
3	168	2.03
4	95	2.71
5	61	3.39

Luminous flux luminaire 532 lm

@White (40)

Optic Flood 3000K

E	I	
		05.8630.14 / 05.8630.40
		05.8631.14 / 05.8631.40
		05.8632.14 / 05.8632.40
		05.8633.14 / 05.8633.40
		05.8634.14 / 05.8634.40



Beam Angle: 37°

h(m)	E(lx)	D(m)
1	1589	0.68
2	397	1.35
3	177	2.03
4	99	2.71
5	64	3.39

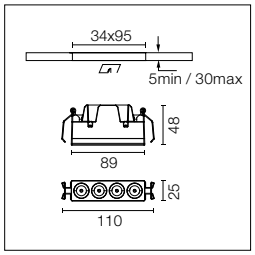
Luminous flux luminaire 558 lm

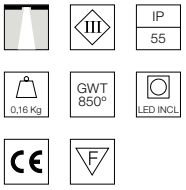
@White (40)

NEW

Light Shadow Mini Fixed No Trim 4 Spots

Power LED 6,2W - 590 lm - 2700K/CRI 90 / 6,2W - 618 lm - 3000K/CRI 90



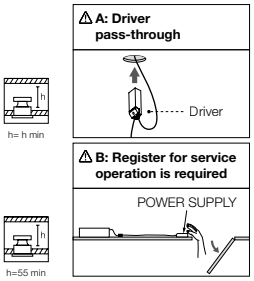


Fest eingebaute Leuchte mit 4 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Erfordert einen Vorinstallationrahmen, der separat bestellt werden muss.

E = Äußeres Finish
I = Inneres Finish

Fixed recessed luminaire with 4 LED lighting spots. Remote power supply not included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish



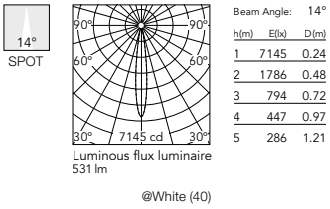
Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 3	A	50
Dali 2	60.7744	1	A	50
Dali 2	60.9957.0500	1 - 3	A	50
Casambi	60.9874.0500	1	A	80
Casambi	60.9207	1 - 3	B	-
1-10V	60.9188	1 - 2	A	70
1-10V	60.9439	1 - 3	B	-
Mains Dimming	60.9467	1 - 2	A	70

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E I
05.8640.14 / 05.8640.40
05.8641.14 / 05.8641.40
05.8642.14 / 05.8642.40
05.8643.14 / 05.8643.40
05.8644.14 / 05.8644.40



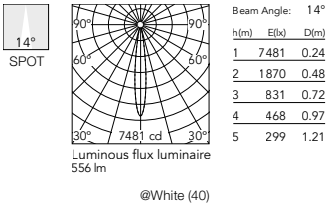
Luminous flux luminaire 531 lm

@White (40)

Beam Angle:	14°
h(m)	E(lx) D(m)
1	7145 0.24
2	1786 0.48
3	794 0.72
4	447 0.97
5	286 1.21

Optic Spot 3000K

E I
05.8660.14 / 05.8660.40
05.8661.14 / 05.8661.40
05.8662.14 / 05.8662.40
05.8663.14 / 05.8663.40
05.8664.14 / 05.8664.40



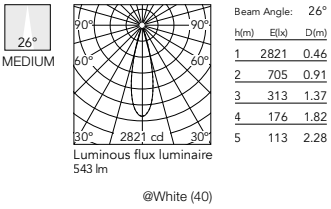
Luminous flux luminaire 556 lm

@White (40)

Beam Angle:	14°
h(m)	E(lx) D(m)
1	7481 0.24
2	1870 0.48
3	831 0.72
4	468 0.97
5	299 1.21

Optic Medium 2700K

E I
05.8645.14 / 05.8645.40
05.8646.14 / 05.8646.40
05.8647.14 / 05.8647.40
05.8648.14 / 05.8648.40
05.8649.14 / 05.8649.40



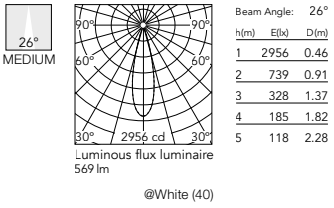
Luminous flux luminaire 543 lm

@White (40)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	2821 0.46
2	705 0.91
3	313 1.37
4	176 1.82
5	113 2.28

Optic Medium 3000K

E I
05.8665.14 / 05.8665.40
05.8666.14 / 05.8666.40
05.8667.14 / 05.8667.40
05.8668.14 / 05.8668.40
05.8669.14 / 05.8669.40



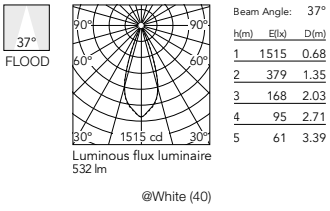
Luminous flux luminaire 569 lm

@White (40)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	2956 0.46
2	739 0.91
3	328 1.37
4	185 1.82
5	118 2.28

Optic Flood 2700K

E I
05.8650.14 / 05.8650.40
05.8651.14 / 05.8651.40
05.8652.14 / 05.8652.40
05.8653.14 / 05.8653.40
05.8654.14 / 05.8654.40



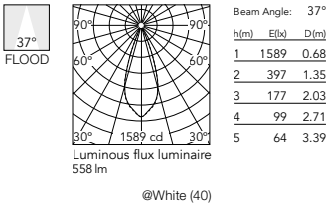
Luminous flux luminaire 532 lm

@White (40)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	1515 0.68
2	379 1.35
3	168 2.03
4	95 2.71
5	61 3.39

Optic Flood 3000K

E I
05.8670.14 / 05.8670.40
05.8671.14 / 05.8671.40
05.8672.14 / 05.8672.40
05.8673.14 / 05.8673.40
05.8674.14 / 05.8674.40



Luminous flux luminaire 558 lm

@White (40)

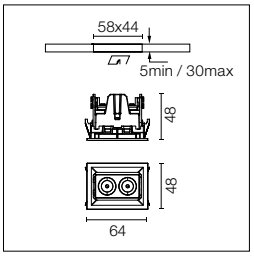
Beam Angle:	37°
h(m)	E(lx) D(m)
1	1589 0.68
2	397 1.35
3	177 2.03
4	99 2.71
5	64 3.39

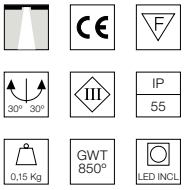
NEW

LIGHT SHADOW MINI

Light Shadow Mini Adjustable Trim 2 Spots

Power LED 3,1W - 295 lm - 2700K/CRI 90 / 3,1W - 309 lm - 3000K/CRI 90



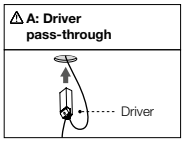


Verstellbare Einbauleuchte mit 2 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Kein Vorinstallationsrahmen erforderlich.

E = Äußeres Finish
I = Inneres Finish

Adjustable recessed luminaire with 2 LED lighting spots. Remote power supply not included (220-240V). No pre-installation frame required.

E= External Finish
I= Internal Finish



Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 6	A	60
Dali 2	60.7744	1 - 2	A	50
Dali 2	60.9957.0500	1 - 6	A	60
Casambi	60.9874.0500	2 - 3	A	70
Casambi	60.9207	2 - 6	A	82
1-10V	60.9188	1 - 4	A	100
1-10V	60.9439	2 - 6	A	100
Mains Dimming	60.9467	1 - 4	A	100

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E I

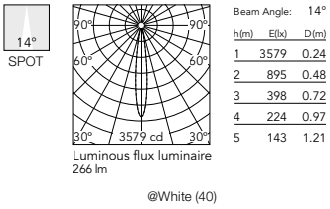
05.8700.14
05.8700.40

05.8701.14
05.8701.40

05.8702.14
05.8702.40

05.8703.14
05.8703.40

05.8704.14
05.8704.40



Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3579	0.24
2	895	0.48
3	398	0.72
4	224	0.97
5	143	1.21

Optic Spot 3000K

E I

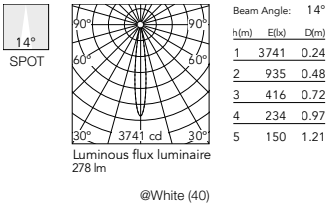
05.8720.14
05.8720.40

05.8721.14
05.8721.40

05.8722.14
05.8722.40

05.8723.14
05.8723.40

05.8724.14
05.8724.40



Luminous flux luminaire 278 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3741	0.24
2	935	0.48
3	416	0.72
4	234	0.97
5	150	1.21

Optic Medium 2700K

E I

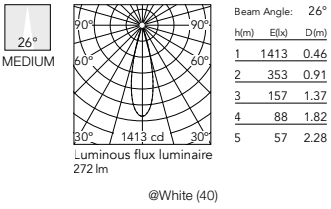
05.8705.14
05.8705.40

05.8706.14
05.8706.40

05.8707.14
05.8707.40

05.8708.14
05.8708.40

05.8709.14
05.8709.40



Luminous flux luminaire 272 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1413	0.46
2	353	0.91
3	157	1.37
4	88	1.82
5	57	2.28

Optic Medium 3000K

E I

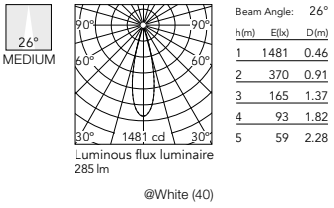
05.8725.14
05.8725.40

05.8726.14
05.8726.40

05.8727.14
05.8727.40

05.8728.14
05.8728.40

05.8729.14
05.8729.40



Luminous flux luminaire 285 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1481	0.46
2	370	0.91
3	165	1.37
4	93	1.82
5	59	2.28

Optic Flood 2700K

E I

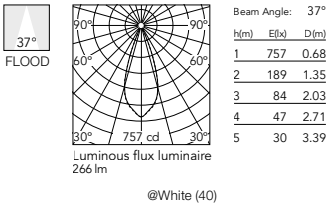
05.8710.14
05.8710.40

05.8711.14
05.8711.40

05.8712.14
05.8712.40

05.8713.14
05.8713.40

05.8714.14
05.8714.40



Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	757	0.68
2	189	1.35
3	84	2.03
4	47	2.71
5	30	3.39

Optic Flood 3000K

E I

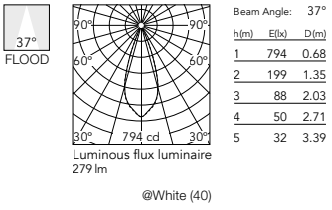
05.8730.14
05.8730.40

05.8731.14
05.8731.40

05.8732.14
05.8732.40

05.8733.14
05.8733.40

05.8734.14
05.8734.40



Luminous flux luminaire 279 lm

@White (40)

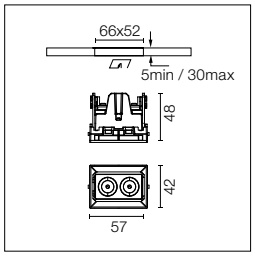
Beam Angle: 37°

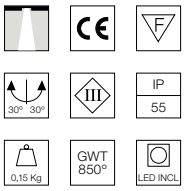
h(m)	E(lx)	D(m)
1	794	0.68
2	199	1.35
3	88	2.03
4	50	2.71
5	32	3.39

NEW

Light Shadow Mini Adjustable No Trim 2 Spots

Power LED 3,1W - 295 lm - 2700K/CRI 90 / 3,1W - 309 lm - 3000K/CRI 90



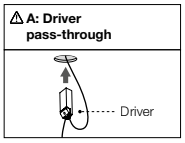


Verstellbare Einbauleuchte mit 2 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Erfordert einen Vorinstallationrahmen, der separat bestellt werden muss.

E = Äußeres Finish
I = Inneres Finish

Adjustable recessed luminaire with 2 LED lighting spots. Remote power supply not included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish



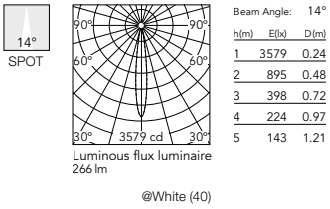
Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 6	A	60
Dali 2	60.7744	1 - 2	A	50
Dali 2	60.9957.0500	1 - 6	A	60
Casambi	60.9874.0500	2 - 3	A	70
Casambi	60.9207	2 - 6	A	82
1-10V	60.9188	1 - 4	A	100
1-10V	60.9439	2 - 6	A	100
Mains Dimming	60.9467	1 - 4	A	100

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E	I	
		05.8740.14 / 05.8740.40
		05.8741.14 / 05.8741.40
		05.8742.14 / 05.8742.40
		05.8743.14 / 05.8743.40
		05.8744.14 / 05.8744.40



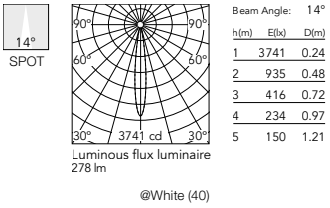
Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	3579	0.24
2	895	0.48
3	398	0.72
4	224	0.97
5	143	1.21

Optic Spot 3000K

E	I	
		05.8760.14 / 05.8760.40
		05.8761.14 / 05.8761.40
		05.8762.14 / 05.8762.40
		05.8763.14 / 05.8763.40
		05.8764.14 / 05.8764.40



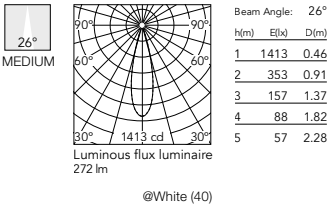
Luminous flux luminaire 278 lm

@White (40)

Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	3741	0.24
2	935	0.48
3	416	0.72
4	234	0.97
5	150	1.21

Optic Medium 2700K

E	I	
		05.8745.14 / 05.8745.40
		05.8746.14 / 05.8746.40
		05.8747.14 / 05.8747.40
		05.8748.14 / 05.8748.40
		05.8749.14 / 05.8749.40



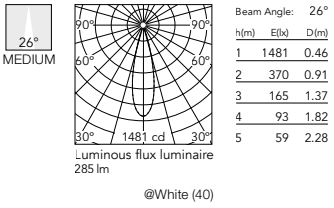
Luminous flux luminaire 272 lm

@White (40)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	1413	0.46
2	353	0.91
3	157	1.37
4	88	1.82
5	57	2.28

Optic Medium 3000K

E	I	
		05.8765.14 / 05.8765.40
		05.8766.14 / 05.8766.40
		05.8767.14 / 05.8767.40
		05.8768.14 / 05.8768.40
		05.8769.14 / 05.8769.40



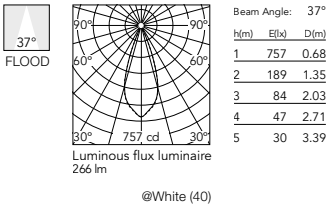
Luminous flux luminaire 285 lm

@White (40)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	1481	0.46
2	370	0.91
3	165	1.37
4	93	1.82
5	59	2.28

Optic Flood 2700K

E	I	
		05.8750.14 / 05.8750.40
		05.8751.14 / 05.8751.40
		05.8752.14 / 05.8752.40
		05.8753.14 / 05.8753.40
		05.8754.14 / 05.8754.40



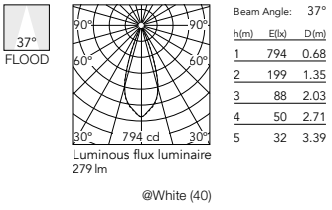
Luminous flux luminaire 266 lm

@White (40)

Beam Angle: 37°		
h(m)	E(lx)	D(m)
1	757	0.68
2	189	1.35
3	84	2.03
4	47	2.71
5	30	3.39

Optic Flood 3000K

E	I	
		05.8770.14 / 05.8770.40
		05.8771.14 / 05.8771.40
		05.8772.14 / 05.8772.40
		05.8773.14 / 05.8773.40
		05.8774.14 / 05.8774.40



Luminous flux luminaire 279 lm

@White (40)

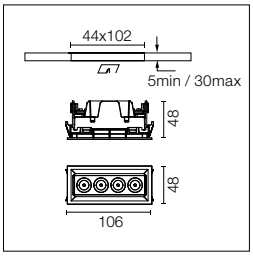
Beam Angle: 37°		
h(m)	E(lx)	D(m)
1	794	0.68
2	199	1.35
3	88	2.03
4	50	2.71
5	32	3.39

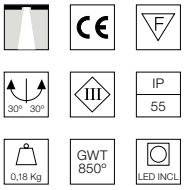
NEW

LIGHT SHADOW MINI

Light Shadow Mini Adjustable Trim 4 Spots

Power LED 6,2W - 590 lm - 2700K/CRI 90 / 6,2W - 618 lm - 3000K/CRI 90



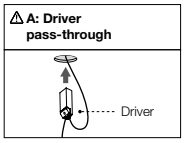


Verstellbare Einbauleuchte mit 4 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Kein Vorinstallationsrahmen erforderlich.

E = Äußeres Finish
I = Inneres Finish

Adjustable recessed luminaire with 4 LED lighting spots. Remote power supply not included (220-240V). No pre-installation frame required.

E= External Finish
I= Internal Finish



Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 3	A	50
Dali 2	60.7744	1	A	50
Dali 2	60.9957.0500	1 - 3	A	50
Casambi	60.9874.0500	1	A	50
Casambi	60.9207	1 - 3	A	50
1-10V	60.9188	1 - 2	A	50
1-10V	60.9439	1 - 3	A	55
Mains Dimming	60.9467	1 - 2	A	50

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E I

05.8800.14
05.8800.40

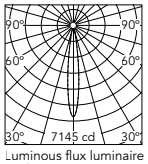
05.8801.14
05.8801.40

05.8802.14
05.8802.40

05.8803.14
05.8803.40

05.8804.14
05.8804.40

14° SPOT



Luminous flux luminaire 531 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	7145	0.24
2	1786	0.48
3	794	0.72
4	447	0.97
5	286	1.21

Optic Spot 3000K

E I

05.8820.14
05.8820.40

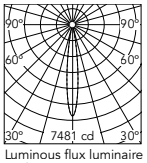
05.8821.14
05.8821.40

05.8822.14
05.8822.40

05.8823.14
05.8823.40

05.8824.14
05.8824.40

14° SPOT



Luminous flux luminaire 556 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	7481	0.24
2	1870	0.48
3	831	0.72
4	468	0.97
5	299	1.21

Optic Medium 2700K

E I

05.8805.14
05.8805.40

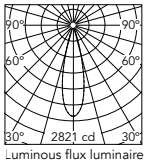
05.8806.14
05.8806.40

05.8807.14
05.8807.40

05.8808.14
05.8808.40

05.8809.14
05.8809.40

26° MEDIUM



Luminous flux luminaire 543 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2821	0.46
2	705	0.91
3	313	1.37
4	176	1.82
5	113	2.28

Optic Medium 3000K

E I

05.8825.14
05.8825.40

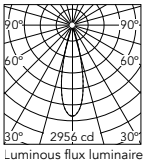
05.8826.14
05.8826.40

05.8827.14
05.8827.40

05.8828.14
05.8828.40

05.8829.14
05.8829.40

26° MEDIUM



Luminous flux luminaire 569 lm

@White (40)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2956	0.46
2	739	0.91
3	328	1.37
4	185	1.82
5	118	2.28

Optic Flood 2700K

E I

05.8810.14
05.8810.40

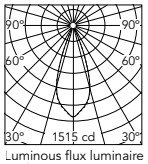
05.8811.14
05.8811.40

05.8812.14
05.8812.40

05.8813.14
05.8813.40

05.8814.14
05.8814.40

37° FLOOD



Luminous flux luminaire 532 lm

@White (40)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	1515	0.68
2	379	1.35
3	168	2.03
4	95	2.71
5	61	3.39

Optic Flood 3000K

E I

05.8830.14
05.8830.40

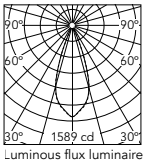
05.8831.14
05.8831.40

05.8832.14
05.8832.40

05.8833.14
05.8833.40

05.8834.14
05.8834.40

37° FLOOD



Luminous flux luminaire 558 lm

@White (40)

Beam Angle: 37°

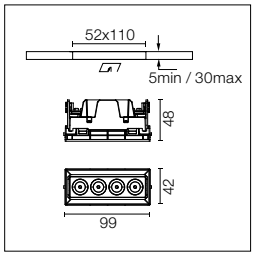
h(m)	E(lx)	D(m)
1	1589	0.68
2	397	1.35
3	177	2.03
4	99	2.71
5	64	3.39

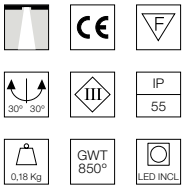
LIGHT SHADOW MINI

NEW

Light Shadow Mini Adjustable No Trim 4 Spots

Power LED 6,2W - 590 lm - 2700K/CRI 90 / 6,2W - 618 lm - 3000K/CRI 90



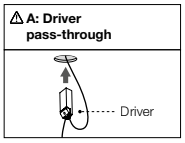


Verstellbare Einbauleuchte mit 4 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Erfordert einen Vorinstallationrahmen, der separat bestellt werden muss.

E = Äußeres Finish
I = Inneres Finish

Adjustable recessed luminaire with 4 LED lighting spots. Remote power supply not included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish



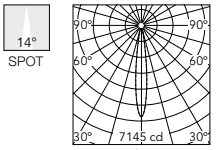
Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0500	1 - 3	A	50
Dali 2	60.7744	1	A	50
Dali 2	60.9957.0500	1 - 3	A	50
Casambi	60.9874.0500	1	A	50
Casambi	60.9207	1 - 3	A	50
1-10V	60.9188	1 - 2	A	50
1-10V	60.9439	1 - 3	A	55
Mains Dimming	60.9467	1 - 2	A	50

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E I
05.8840.14 / 05.8840.40
05.8841.14 / 05.8841.40
05.8842.14 / 05.8842.40
05.8843.14 / 05.8843.40
05.8844.14 / 05.8844.40



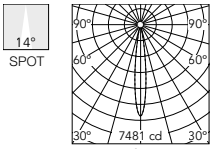
Luminous flux luminaire 531 lm

@White (40)

Beam Angle:	14°
h(m)	E(lx) D(m)
1	7145 0.24
2	1786 0.48
3	794 0.72
4	447 0.97
5	286 1.21

Optic Spot 3000K

E I
05.8860.14 / 05.8860.40
05.8861.14 / 05.8861.40
05.8862.14 / 05.8862.40
05.8863.14 / 05.8863.40
05.8864.14 / 05.8864.40



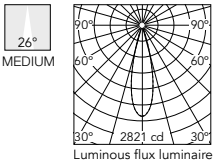
Luminous flux luminaire 556 lm

@White (40)

Beam Angle:	14°
h(m)	E(lx) D(m)
1	7481 0.24
2	1870 0.48
3	831 0.72
4	468 0.97
5	299 1.21

Optic Medium 2700K

E I
05.8845.14 / 05.8845.40
05.8846.14 / 05.8846.40
05.8847.14 / 05.8847.40
05.8848.14 / 05.8848.40
05.8849.14 / 05.8849.40



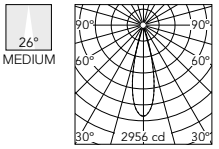
Luminous flux luminaire 543 lm

@White (40)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	2821 0.46
2	705 0.91
3	313 1.37
4	176 1.82
5	113 2.28

Optic Medium 3000K

E I
05.8865.14 / 05.8865.40
05.8866.14 / 05.8866.40
05.8867.14 / 05.8867.40
05.8868.14 / 05.8868.40
05.8869.14 / 05.8869.40



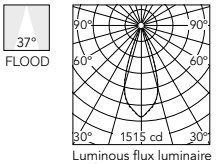
Luminous flux luminaire 569 lm

@White (40)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	2956 0.46
2	739 0.91
3	328 1.37
4	185 1.82
5	118 2.28

Optic Flood 2700K

E I
05.8850.14 / 05.8850.40
05.8851.14 / 05.8851.40
05.8852.14 / 05.8852.40
05.8853.14 / 05.8853.40
05.8854.14 / 05.8854.40



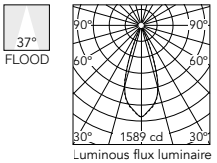
Luminous flux luminaire 532 lm

@White (40)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	1515 0.68
2	379 1.35
3	168 2.03
4	95 2.71
5	61 3.39

Optic Flood 3000K

E I
05.8870.14 / 05.8870.40
05.8871.14 / 05.8871.40
05.8872.14 / 05.8872.40
05.8873.14 / 05.8873.40
05.8874.14 / 05.8874.40



Luminous flux luminaire 558 lm

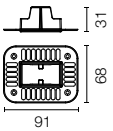
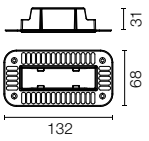
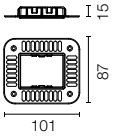
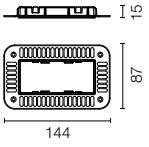
@White (40)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	1589 0.68
2	397 1.35
3	177 2.03
4	99 2.71
5	64 3.39

NEW

LIGHT SHADOW MINI

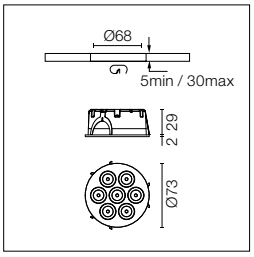
Zubehör / Accessories
Light Shadow Mini Fixed / Adjustable

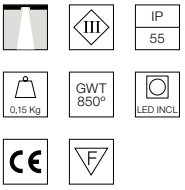
Einbaurahmen No Trim. Festgelegt.	Frame No Trim Fixed			2L 08.1056.00
				4L 08.1057.00
Einbaurahmen No Trim. Einstellbar	Frame No Trim Adjustable			2L 08.1058.00
				4L 08.1059.00

NEW

Light Shadow Mini Round Trim

Power LED 6,1W - 658 lm - 2700K/CRI 90 / 6,1W - 681 lm - 3000K/CRI 90



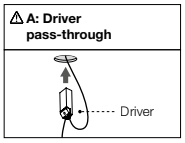


Fest eingebaute Leuchte mit 7 LED-Beleuchtungsspots. Externe Stromversorgung nicht enthalten (220-240V). Vormontagerahmen nicht erforderlich.

E = Äußeres Finish
I = Inneres Finish

Recessed integrated luminaire with 7 LED lighting spots. Remote power supply not included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish



Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.	⚠	h
No Dimmable	60.9954.0300	1 - 2	A	60
Dali 2	60.9957.0300	1 - 2	A	60
Casambi	60.9874.0300	1	A	80
Casambi	60.9207	1 - 2	A	90
1-10V	60.9188	1	A	50
1-10V	60.9439	1 - 2	A	80
Mains Dimming	60.9467	1	A	50

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

E I
05.8450.14
05.8450.40

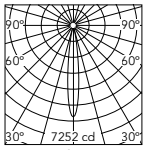
05.8451.14
05.8451.40

05.8452.14
05.8452.40

05.8453.14
05.8453.40

05.8454.14
05.8454.40

14° SPOT



Luminous flux luminaire 568 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	7252	0.24
2	1813	0.48
3	806	0.72
4	453	0.96
5	290	1.20

Optic Spot 3000K

E I
05.8470.14
05.8470.40

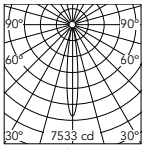
05.8471.14
05.8471.40

05.8472.14
05.8472.40

05.8473.14
05.8473.40

05.8474.14
05.8474.40

14° SPOT



Luminous flux luminaire 590 lm

@White (40)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	7533	0.24
2	1883	0.48
3	837	0.72
4	471	0.96
5	301	1.20

Optic Medium 2700K

E I
05.8455.14
05.8455.40

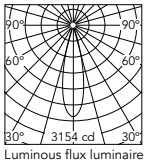
05.8456.14
05.8456.40

05.8457.14
05.8457.40

05.8458.14
05.8458.40

05.8459.14
05.8459.40

25° MEDIUM



Luminous flux luminaire 596 lm

@White (40)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	3154	0.45
2	789	0.89
3	350	1.34
4	197	1.78
5	126	2.23

Optic Medium 3000K

E I
05.8475.14
05.8475.40

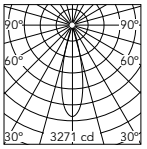
05.8476.14
05.8476.40

05.8477.14
05.8477.40

05.8478.14
05.8478.40

05.8479.14
05.8479.40

25° MEDIUM



Luminous flux luminaire 618 lm

@White (40)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	3271	0.45
2	818	0.89
3	363	1.34
4	204	1.78
5	131	2.23

Optic Flood 2700K

E I
05.8460.14
05.8460.40

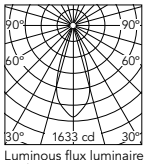
05.8461.14
05.8461.40

05.8462.14
05.8462.40

05.8463.14
05.8463.40

05.8464.14
05.8464.40

38° FLOOD



Luminous flux luminaire 584 lm

@White (40)

Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1633	0.68
2	408	1.36
3	181	2.04
4	102	2.72
5	65	3.40

Optic Flood 3000K

E I
05.8480.14
05.8480.40

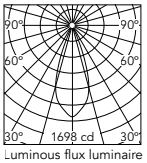
05.8481.14
05.8481.40

05.8482.14
05.8482.40

05.8483.14
05.8483.40

05.8484.14
05.8484.40

38° FLOOD



Luminous flux luminaire 607 lm

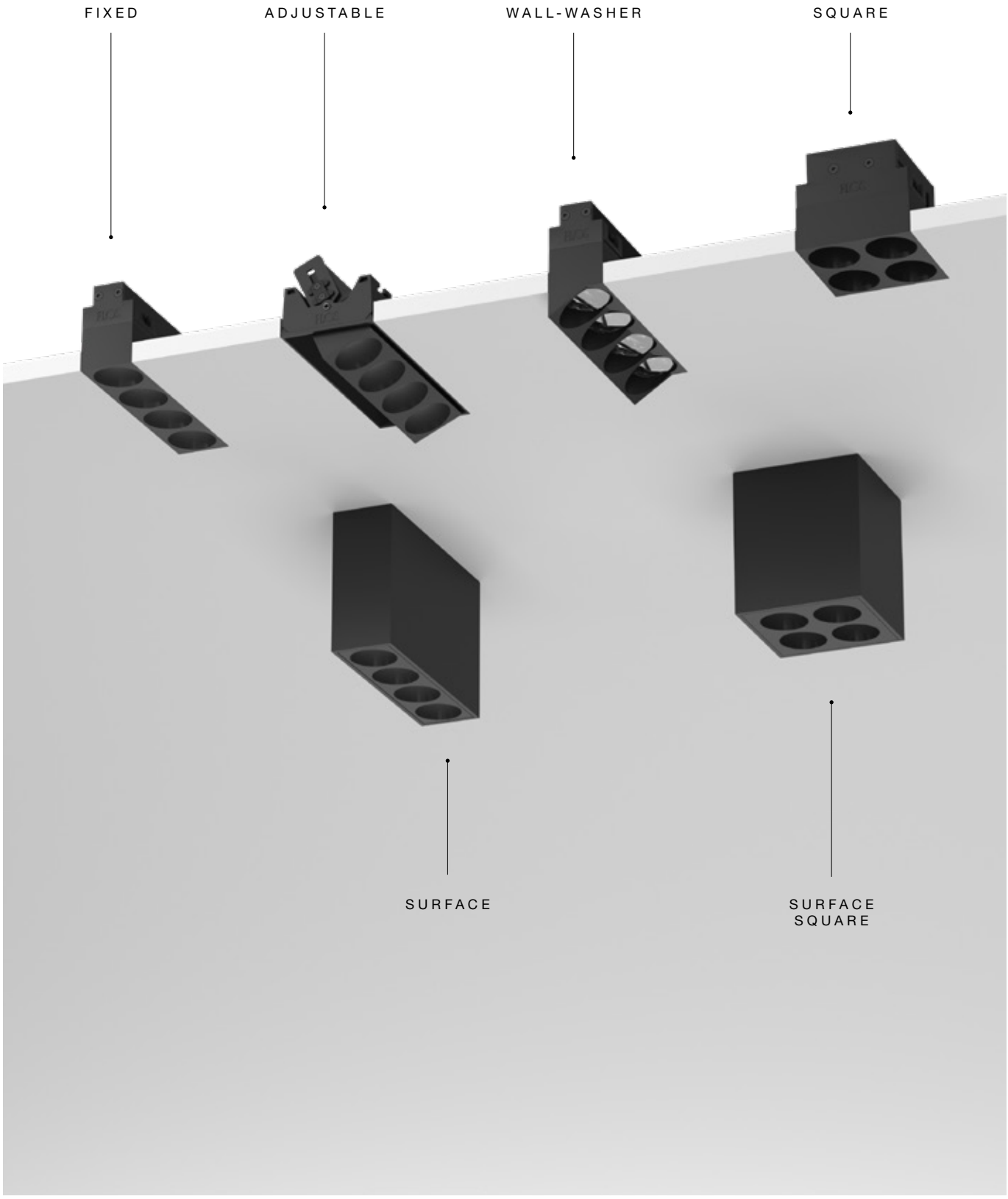
@White (40)

Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1698	0.68
2	424	1.36
3	189	2.04
4	106	2.72
5	68	3.40

LIGHT SHADOW

DESIGNED BY FLOS ARCHITECTURAL



Produktbeschreibung
Innenbereichs-, Einbau- und Oberflächenleuchten.
Aufgrund ihrer Haupteigenschaften, reduzierter Größe, Leistung und hervorragender Abschirmung, ermöglichen sie eine vollständige Integration in Räume.
Die Produktreihe entstand aus dem Wunsch nach einer kompakten, einfach zu installierenden Leuchten mit dem unverwechselbaren Stil von Flos, die in Ausführungen mit schwarzen Abschirmkörpern eine hocheffiziente Beleuchtung unter Einhaltung höchster visueller Komfortanforderungen ermöglichen.
- Feste und verstellbare Einbauausführungen: 2/4/8/12 Spots (Trim / No Trim).
- Oberflächenausführung: 4 Spots.
- Version wall-washer: 4 spots (Trim / No Trim).
Die Produktreihe wird mit den Optiken Superakzent, Akzent und Allgemeinbeleuchtung angeboten.
Um Lösungen in dekorativeren Umgebungen anzubieten, wurde die folgende Farbpalette mit einer Kombination aus Außen- und Innenlackierung entwickelt:
- Außenflächen: Schwarz und Weiß.
- Innenflächen: Weiß, Stahl, Bronze, Kupfer und Schwarz (hoher optischer Komfort).
- Außen-Box der Aufsatzausführung: schwarz, weiß, gebürsteter Stahl, gebürstete Bronze, gebürstetes Kupfer und Teakholz.

Einspeisung
DALI, Mains Dim und Casambi Versionen erhältlich. Siehe Modelle.
110V Version auf Nachfrage lieferbar.

Zubehör
Für die No Trim Version ist eine Vorinstallation mit Aluminium Einbaurahmen in Hohldecke notwendig. Muss separat bestellt werden (nicht nötig für die Trim Version).

Zusatzinformationen
Die No Trim Version ist für den Einbau in 12.5 mm Gipskartonplatten konzipiert.
Schutzgrad IP20, IP23, IP44, IP55 je nach Modell.
Schutzklasse II.
Auf normal entflammbaren Oberflächen einsetzbar.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Indoor, embedded and surface luminaires.
Due to their main qualities (reduced size, high performance and great screening), they facilitate total integration into spaces.
The family was born of the need for a compact, easy-to-install luminaire, with the distinctive Flos style, able to produce high efficiency lighting, while respecting the highest standards of visual comfort, in versions with black screening bodies.
- Fixed and adjustable embedded versions: 2/4/8/12 spots (Trim/No Trim).
- Fixed surface versions: 4 spots.
- Wall-washer version: 4 spots (Trim / No Trim).
The family is offered with super accented, accented and general lighting optics.
For solutions in more decorative settings, the following range of colours has been developed, with a combination of interior and exterior painted finishes:
- exterior finishes: black and white.
- interior finishes: white, steel, bronze, copper and black (high comfort optics).
- outdoor box surface version: black, white, brushed steel, brushed bronze, brushed copper and teak.

Power Supply
DALI, Mains Dim and Casambi versions available. See models.
Versions with 110V equipment available upon request.

Accessories
For the No Trim version, pre-installation frame in aluminium for false ceiling installation. It needs to be ordered separately (not necessary for Trim version).

Additional Information
No Trim version has been designed for 12.5 mm thick plasterboard installation.
IP20, IP23, IP44, IP55 protection grade depending on the versions.
Insulation class II.
Suitable for installation on normally inflammable surfaces.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Trim | No Trim | Surface | Continuous Line

FIXED
TRIM/NO TRIM
2 SPOTS*

ADJUSTABLE
TRIM/NO TRIM
2 SPOTS*

FIXED
TRIM/NO TRIM
4 SPOTS

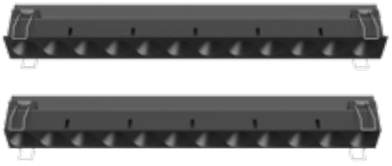
ADJUSTABLE
TRIM / NO TRIM
4 SPOTS

FIXED
TRIM/NO TRIM
4 SPOTS SQUARE

FIXED
TRIM/NO TRIM
8 SPOTS**

ADJUSTABLE
TRIM/NO TRIM
8 SPOTS**

FIXED
TRIM/NO TRIM
12 SPOTS**



ADJUSTABLE
TRIM/NO TRIM
12 SPOTS**

WALL-WASHER
TRIM/NO TRIM
4 SPOTS

SURFACE
4 SPOTS

SURFACE
4 SPOTS SQUARE**

LIGHT SOURCE
POWER LED
No dimmable/Dimmable
2,7W x Spot
270 lm x Spot
2700K/CRI 90
285 lm x Spot
3000K/CRI 90

LIGHT SOURCE
POWER LED
*No dimmable/Dimmable
3,5W x Spot
270 lm x Spot
2700K/CRI 90
285 lm x Spot
3000K/CRI 90

LIGHT SOURCE
POWER LED
**Mains dimming
2,3W x Spot
225 lm x Spot
2700K/CRI 90
238 lm x Spot
3000K/CRI 90

Internal Finish

Light Shadow Fixed / Fixed Square
Adjustable / Surface / Surface Square

Weiss
White

HIGH COMFORT

Schwarz
Black

Kupfer
Copper

Stahl
Steel

Bronze
Bronze

External Plate Finish

Light Shadow Fixed / Fixed Square
Adjustable / Surface / Surface Square

Weiss
White

Schwarz
Black

External Plate Finish

Light Shadow Wall-Washer

Weiss
White

Schwarz
Black

Box Finish

Light Shadow Surface / Surface Square

Weiss
White

Schwarz
Black

Gebürstetes Kupfer
Brushed Copper

Gebürsteter Stahl
Brushed Steel

Gebürstete Bronze
Brushed Bronze

Teak-Holz
Teak

Light Shadow for The Running Magnet

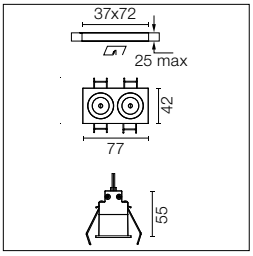
LIGHT SHADOW

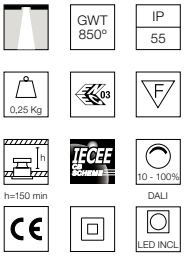
LIGHT SHADOW
WALL-WASHER

Siehe Die Running Magnet Kollektion / See The Running Magnet collection

Light Shadow Fixed Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90





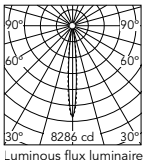
Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K



Luminous flux luminaire
453 lm (EXTREME CUT OFF)

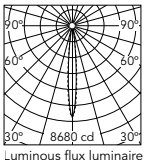
@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8286	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

E I Non Dimmable
03.8820.40A
03.8820.14A
Dali Version
03.8820.40BDA
03.8820.14BDA
Mains Dimming
03.8820.40ANI
03.8820.14ANI
Casambi
03.8820.40ACB
03.8820.14ACB
Non Dimmable
03.8821.40A
03.8821.14A
Dali Version
03.8821.40BDA
03.8821.14BDA
Mains Dimming
03.8821.40ANI
03.8821.14ANI
Casambi
03.8821.40ACB
03.8821.14ACB
Non Dimmable
05.1000.40A
05.1000.14A
Dali Version
05.1000.40BDA
05.1000.14BDA
Mains Dimming
05.1000.40ANI
05.1000.14ANI
Casambi
05.1000.40ACB
05.1000.14ACB
Non Dimmable
05.1001.40A
05.1001.14A
Dali Version
05.1001.40BDA
05.1001.14BDA
Mains Dimming
05.1001.40ANI
05.1001.14ANI
Casambi
05.1001.40ACB
05.1001.14ACB
Non Dimmable
05.1002.40A
05.1002.14A
Dali Version
05.1002.40BDA
05.1002.14BDA
Mains Dimming
05.1002.40ANI
05.1002.14ANI
Casambi
05.1002.40ACB
05.1002.14ACB

Optic Spot 3000K



Luminous flux luminaire
475 lm (EXTREME CUT OFF)

@White (40)

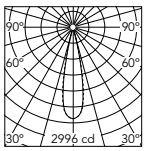
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	543	0.70
5	347	0.87

E I Non Dimmable
03.8824.40A
03.8824.14A
Dali Version
03.8824.40BDA
03.8824.14BDA
Mains Dimming
03.8824.40ANI
03.8824.14ANI
Casambi
03.8824.40ACB
03.8824.14ACB
Non Dimmable
03.8825.40A
03.8825.14A
Dali Version
03.8825.40BDA
03.8825.14BDA
Mains Dimming
03.8825.40ANI
03.8825.14ANI
Casambi
03.8825.40ACB
03.8825.14ACB
Non Dimmable
05.1005.40A
05.1005.14A
Dali Version
05.1005.40BDA
05.1005.14BDA
Mains Dimming
05.1005.40ANI
05.1005.14ANI
Casambi
05.1005.40ACB
05.1005.14ACB
Non Dimmable
05.1006.40A
05.1006.14A
Dali Version
05.1006.40BDA
05.1006.14BDA
Mains Dimming
05.1006.40ANI
05.1006.14ANI
Casambi
05.1006.40ACB
05.1006.14ACB
Non Dimmable
05.1007.40A
05.1007.14A
Dali Version
05.1007.40BDA
05.1007.14BDA
Mains Dimming
05.1007.40ANI
05.1007.14ANI
Casambi
05.1007.40ACB
05.1007.14ACB

Optic Medium 2700K

E I Non Dimmable
03.9100.40A
03.9100.14A
Dali Version
03.9100.40BDA
03.9100.14BDA
Mains Dimming
03.9100.40ANI
03.9100.14ANI
Casambi
03.9100.40ACB
03.9100.14ACB
Non Dimmable
03.9101.40A
03.9101.14A
Dali Version
03.9101.40BDA
03.9101.14BDA
Mains Dimming
03.9101.40ANI
03.9101.14ANI
Casambi
03.9101.40ACB
03.9101.14ACB
Non Dimmable
05.1010.40A
05.1010.14A
Dali Version
05.1010.40BDA
05.1010.14BDA
Mains Dimming
05.1010.40ANI
05.1010.14ANI
Casambi
05.1010.40ACB
05.1010.14ACB
Non Dimmable
05.1011.40A
05.1011.14A
Dali Version
05.1011.40BDA
05.1011.14BDA
Mains Dimming
05.1011.40ANI
05.1011.14ANI
Casambi
05.1011.40ACB
05.1011.14ACB
Non Dimmable
05.1012.40A
05.1012.14A
Dali Version
05.1012.40BDA
05.1012.14BDA
Mains Dimming
05.1012.40ANI
05.1012.14ANI
Casambi
05.1012.40ACB
05.1012.14ACB



Luminous flux luminaire
448 lm (EXTREME CUT OFF)

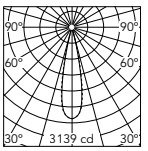
@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

Optic Medium 3000K

E I Non Dimmable
03.9110.40A
03.9110.14A
Dali Version
03.9110.40BDA
03.9110.14BDA
Mains Dimming
03.9110.40ANI
03.9110.14ANI
Casambi
03.9110.40ACB
03.9110.14ACB
Non Dimmable
03.9111.40A
03.9111.14A
Dali Version
03.9111.40BDA
03.9111.14BDA
Mains Dimming
03.9111.40ANI
03.9111.14ANI
Casambi
03.9111.40ACB
03.9111.14ACB
Non Dimmable
05.1015.40A
05.1015.14A
Dali Version
05.1015.40BDA
05.1015.14BDA
Mains Dimming
05.1015.40ANI
05.1015.14ANI
Casambi
05.1015.40ACB
05.1015.14ACB
Non Dimmable
05.1016.40A
05.1016.14A
Dali Version
05.1016.40BDA
05.1016.14BDA
Mains Dimming
05.1016.40ANI
05.1016.14ANI
Casambi
05.1016.40ACB
05.1016.14ACB
Non Dimmable
05.1017.40A
05.1017.14A
Dali Version
05.1017.40BDA
05.1017.14BDA
Mains Dimming
05.1017.40ANI
05.1017.14ANI
Casambi
05.1017.40ACB
05.1017.14ACB



Luminous flux luminaire
470 lm (EXTREME CUT OFF)

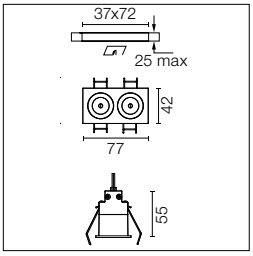
@White (40)

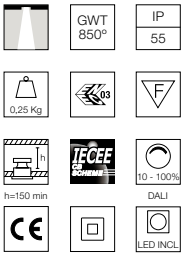
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Fixed Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

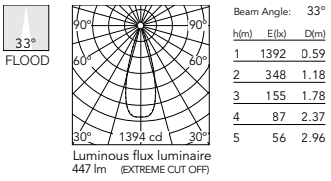
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

Non Dimmable
03.9105.40A
03.9105.14A
Dali Version
03.9105.40BDA
03.9105.14BDA
Mains Dimming
03.9105.40ANI
03.9105.14ANI
Casambi
03.9105.40ACB
03.9105.14ACB
Non Dimmable
03.9106.40A
03.9106.14A
Dali Version
03.9106.40BDA
03.9106.14BDA
Mains Dimming
03.9106.40ANI
03.9106.14ANI
Casambi
03.9106.40ACB
03.9106.14ACB
Non Dimmable
05.1020.40A
05.1020.14A
Dali Version
05.1020.40BDA
05.1020.14BDA
Mains Dimming
05.1020.40ANI
05.1020.14ANI
Casambi
05.1020.40ACB
05.1020.14ACB
Non Dimmable
05.1021.40A
05.1021.14A
Dali Version
05.1021.40BDA
05.1021.14BDA
Mains Dimming
05.1021.40ANI
05.1021.14ANI
Casambi
05.1021.40ACB
05.1021.14ACB
Non Dimmable
05.1022.40A
05.1022.14A
Dali Version
05.1022.40BDA
05.1022.14BDA
Mains Dimming
05.1022.40ANI
05.1022.14ANI
Casambi
05.1022.40ACB
05.1022.14ACB



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

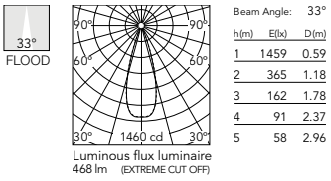
Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

@White (40)

Optic Flood 3000K

E I

Non Dimmable
03.9115.40A
03.9115.14A
Dali Version
03.9115.40BDA
03.9115.14BDA
Mains Dimming
03.9115.40ANI
03.9115.14ANI
Casambi
03.9115.40ACB
03.9115.14ACB
Non Dimmable
03.9116.40A
03.9116.14A
Dali Version
03.9116.40BDA
03.9116.14BDA
Mains Dimming
03.9116.40ANI
03.9116.14ANI
Casambi
03.9116.40ACB
03.9116.14ACB
Non Dimmable
05.1025.40A
05.1025.14A
Dali Version
05.1025.40BDA
05.1025.14BDA
Mains Dimming
05.1025.40ANI
05.1025.14ANI
Casambi
05.1025.40ACB
05.1025.14ACB
Non Dimmable
05.1026.40A
05.1026.14A
Dali Version
05.1026.40BDA
05.1026.14BDA
Mains Dimming
05.1026.40ANI
05.1026.14ANI
Casambi
05.1026.40ACB
05.1026.14ACB
Non Dimmable
05.1027.40A
05.1027.14A
Dali Version
05.1027.40BDA
05.1027.14BDA
Mains Dimming
05.1027.40ANI
05.1027.14ANI
Casambi
05.1027.40ACB
05.1027.14ACB



Luminous flux luminaire
468 lm (EXTREME CUT OFF)

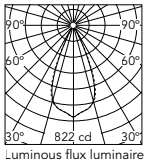
Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

@White (40)

Optic Wide Flood 2700K

E I Non Dimmable
03.8300.40A
03.8300.14A
Dali Version
03.8300.40BDA
03.8300.14BDA
Mains Dimming
03.8300.40ANI
03.8300.14ANI
Casambi
03.8300.40ACB
03.8300.14ACB
Non Dimmable
03.8301.40A
03.8301.14A
Dali Version
03.8301.40BDA
03.8301.14BDA
Mains Dimming
03.8301.40ANI
03.8301.14ANI
Casambi
03.8301.40ACB
03.8301.14ACB
Non Dimmable
05.1030.40A
05.1030.14A
Dali Version
05.1030.40BDA
05.1030.14BDA
Mains Dimming
05.1030.40ANI
05.1030.14ANI
Casambi
05.1030.40ACB
05.1030.14ACB
Non Dimmable
05.1031.40A
05.1031.14A
Dali Version
05.1031.40BDA
05.1031.14BDA
Mains Dimming
05.1031.40ANI
05.1031.14ANI
Casambi
05.1031.40ACB
05.1031.14ACB
Non Dimmable
05.1032.40A
05.1032.14A
Dali Version
05.1032.40BDA
05.1032.14BDA
Mains Dimming
05.1032.40ANI
05.1032.14ANI
Casambi
05.1032.40ACB
05.1032.14ACB

WIDE FLOOD



Luminous flux luminaire
441 lm (EXTREME CUT OFF)

Beam Angle: 45°

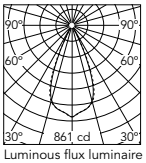
h(m)	E(lx)	D(m)
1	822	0.83
2	205	1.67
3	91	2.50
4	51	3.34
5	33	4.17

@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.8304.40A
03.8304.14A
Dali Version
03.8304.40BDA
03.8304.14BDA
Mains Dimming
03.8304.40ANI
03.8304.14ANI
Casambi
03.8304.40ACB
03.8304.14ACB
Non Dimmable
03.8305.40A
03.8305.14A
Dali Version
03.8305.40BDA
03.8305.14BDA
Mains Dimming
03.8305.40ANI
03.8305.14ANI
Casambi
03.8305.40ACB
03.8305.14ACB
Non Dimmable
05.1035.40A
05.1035.14A
Dali Version
05.1035.40BDA
05.1035.14BDA
Mains Dimming
05.1035.40ANI
05.1035.14ANI
Casambi
05.1035.40ACB
05.1035.14ACB
Non Dimmable
05.1036.40A
05.1036.14A
Dali Version
05.1036.40BDA
05.1036.14BDA
Mains Dimming
05.1036.40ANI
05.1036.14ANI
Casambi
05.1036.40ACB
05.1036.14ACB
Non Dimmable
05.1037.40A
05.1037.14A
Dali Version
05.1037.40BDA
05.1037.14BDA
Mains Dimming
05.1037.40ANI
05.1037.14ANI
Casambi
05.1037.40ACB
05.1037.14ACB

WIDE FLOOD



Luminous flux luminaire
462 lm (EXTREME CUT OFF)

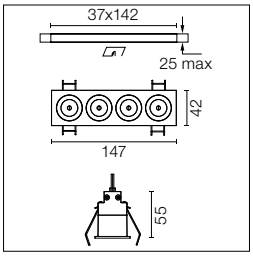
Beam Angle: 45°

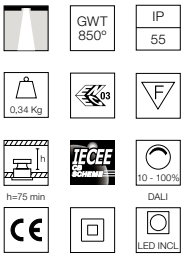
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

@White (40)

Light Shadow Fixed Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

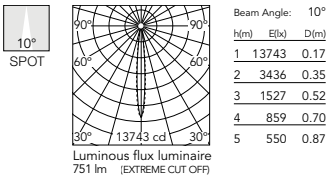
* Multipack available.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8828.40A
03.8828.14A
Dali Version
03.8828.40BDA
03.8828.14BDA
Mains Dimming
03.8828.40ANI
03.8828.14ANI
Casambi
03.8828.40ACB
03.8828.14ACB
Non Dimmable
03.8829.40A
03.8829.14A
Dali Version
03.8829.40BDA
03.8829.14BDA
Mains Dimming
03.8829.40ANI
03.8829.14ANI
Casambi
03.8829.40ACB
03.8829.14ACB
Non Dimmable
05.1100.40A
05.1100.14A
Dali Version
05.1100.40BDA
05.1100.14BDA
Mains Dimming
05.1100.40ANI
05.1100.14ANI
Casambi
05.1100.40ACB
05.1100.14ACB
Non Dimmable
05.1101.40A
05.1101.14A
Dali Version
05.1101.40BDA
05.1101.14BDA
Mains Dimming
05.1101.40ANI
05.1101.14ANI
Casambi
05.1101.40ACB
05.1101.14ACB
Non Dimmable
05.1102.40A
05.1102.14A
Dali Version
05.1102.40BDA
05.1102.14BDA
Mains Dimming
05.1102.40ANI
05.1102.14ANI
Casambi
05.1102.40ACB
05.1102.14ACB



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

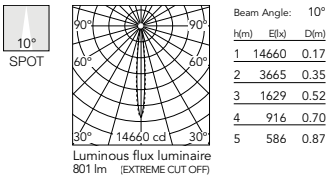
@White (40)

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

E I

Non Dimmable
03.8832.40A
03.8832.14A
Dali Version
03.8832.40BDA
03.8832.14BDA
Mains Dimming
03.8832.40ANI
03.8832.14ANI
Casambi
03.8832.40ACB
03.8832.14ACB
Non Dimmable
03.8833.40A
03.8833.14A
Dali Version
03.8833.40BDA
03.8833.14BDA
Mains Dimming
03.8833.40ANI
03.8833.14ANI
Casambi
03.8833.40ACB
03.8833.14ACB
Non Dimmable
05.1105.40A
05.1105.14A
Dali Version
05.1105.40BDA
05.1105.14BDA
Mains Dimming
05.1105.40ANI
05.1105.14ANI
Casambi
05.1105.40ACB
05.1105.14ACB
Non Dimmable
05.1106.40A
05.1106.14A
Dali Version
05.1106.40BDA
05.1106.14BDA
Mains Dimming
05.1106.40ANI
05.1106.14ANI
Casambi
05.1106.40ACB
05.1106.14ACB
Non Dimmable
05.1107.40A
05.1107.14A
Dali Version
05.1107.40BDA
05.1107.14BDA
Mains Dimming
05.1107.40ANI
05.1107.14ANI
Casambi
05.1107.40ACB
05.1107.14ACB



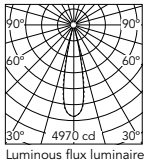
Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Optic Medium 2700K

E I Non Dimmable
03.9120.40A
03.9120.14A
Dali Version
03.9120.40BDA
03.9120.14BDA
Mains Dimming
03.9120.40ANI
03.9120.14ANI
Casambi
03.9120.40ACB
03.9120.14ACB
Non Dimmable
03.9121.40A
03.9121.14A
Dali Version
03.9121.40BDA
03.9121.14BDA
Mains Dimming
03.9121.40ANI
03.9121.14ANI
Casambi
03.9121.40ACB
03.9121.14ACB
Non Dimmable
05.1110.40A
05.1110.14A
Dali Version
05.1110.40BDA
05.1110.14BDA
Mains Dimming
05.1110.40ANI
05.1110.14ANI
Casambi
05.1110.40ACB
05.1110.14ACB
Non Dimmable
05.1111.40A
05.1111.14A
Dali Version
05.1111.40BDA
05.1111.14BDA
Mains Dimming
05.1111.40ANI
05.1111.14ANI
Casambi
05.1111.40ACB
05.1111.14ACB
Non Dimmable
05.1112.40A
05.1112.14A
Dali Version
05.1112.40BDA
05.1112.14BDA
Mains Dimming
05.1112.40ANI
05.1112.14ANI
Casambi
05.1112.40ACB
05.1112.14ACB

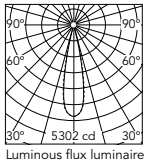


Luminous flux luminaire
744 lm (EXTREME CUT OFF)
@White (40)

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I Non Dimmable
03.9130.40A
03.9130.14A
Dali Version
03.9130.40BDA
03.9130.14BDA
Mains Dimming
03.9130.40ANI
03.9130.14ANI
Casambi
03.9130.40ACB
03.9130.14ACB
Non Dimmable
03.9131.40A
03.9131.14A
Dali Version
03.9131.40BDA
03.9131.14BDA
Mains Dimming
03.9131.40ANI
03.9131.14ANI
Casambi
03.9131.40ACB
03.9131.14ACB
Non Dimmable
05.1115.40A
05.1115.14A
Dali Version
05.1115.40BDA
05.1115.14BDA
Mains Dimming
05.1115.40ANI
05.1115.14ANI
Casambi
05.1115.40ACB
05.1115.14ACB
Non Dimmable
05.1116.40A
05.1116.14A
Dali Version
05.1116.40BDA
05.1116.14BDA
Mains Dimming
05.1116.40ANI
05.1116.14ANI
Casambi
05.1116.40ACB
05.1116.14ACB
Non Dimmable
05.1117.40A
05.1117.14A
Dali Version
05.1117.40BDA
05.1117.14BDA
Mains Dimming
05.1117.40ANI
05.1117.14ANI
Casambi
05.1117.40ACB
05.1117.14ACB



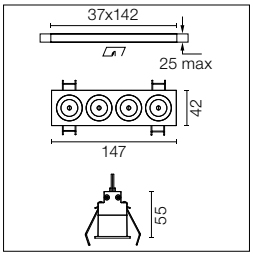
Luminous flux luminaire
793 lm (EXTREME CUT OFF)
@White (40)

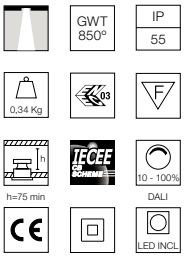
Beam Angle:		22°
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

*Multipack erhältlich (14 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (14 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

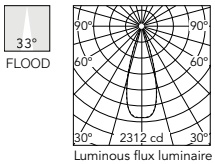
* Multipack available.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

Non Dimmable
03.9125.40A
03.9125.14A
Dali Version
03.9125.40BDA
03.9125.14BDA
Mains Dimming
03.9125.40ANI
03.9125.14ANI
Casambi
03.9125.40ACB
03.9125.14ACB
Non Dimmable
03.9126.40A
03.9126.14A
Dali Version
03.9126.40BDA
03.9126.14BDA
Mains Dimming
03.9126.40ANI
03.9126.14ANI
Casambi
03.9126.40ACB
03.9126.14ACB
Non Dimmable
05.1120.40A
05.1120.14A
Dali Version
05.1120.40BDA
05.1120.14BDA
Mains Dimming
05.1120.40ANI
05.1120.14ANI
Casambi
05.1120.40ACB
05.1120.14ACB
Non Dimmable
05.1121.40A
05.1121.14A
Dali Version
05.1121.40BDA
05.1121.14BDA
Mains Dimming
05.1121.40ANI
05.1121.14ANI
Casambi
05.1121.40ACB
05.1121.14ACB
Non Dimmable
05.1122.40A
05.1122.14A
Dali Version
05.1122.40BDA
05.1122.14BDA
Mains Dimming
05.1122.40ANI
05.1122.14ANI
Casambi
05.1122.40ACB
05.1122.14ACB



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

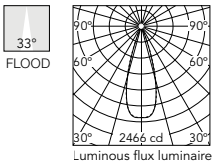
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I

Non Dimmable
03.9135.40A
03.9135.14A
Dali Version
03.9135.40BDA
03.9135.14BDA
Mains Dimming
03.9135.40ANI
03.9135.14ANI
Casambi
03.9135.40ACB
03.9135.14ACB
Non Dimmable
03.9136.40A
03.9136.14A
Dali Version
03.9136.40BDA
03.9136.14BDA
Mains Dimming
03.9136.40ANI
03.9136.14ANI
Casambi
03.9136.40ACB
03.9136.14ACB
Non Dimmable
05.1125.40A
05.1125.14A
Dali Version
05.1125.40BDA
05.1125.14BDA
Mains Dimming
05.1125.40ANI
05.1125.14ANI
Casambi
05.1125.40ACB
05.1125.14ACB
Non Dimmable
05.1126.40A
05.1126.14A
Dali Version
05.1126.40BDA
05.1126.14BDA
Mains Dimming
05.1126.40ANI
05.1126.14ANI
Casambi
05.1126.40ACB
05.1126.14ACB
Non Dimmable
05.1127.40A
05.1127.14A
Dali Version
05.1127.40BDA
05.1127.14BDA
Mains Dimming
05.1127.40ANI
05.1127.14ANI
Casambi
05.1127.40ACB
05.1127.14ACB



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

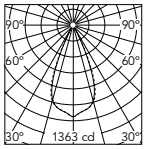
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8308.40A
03.8308.14A
Dali Version
03.8308.40BDA
03.8308.14BDA
Mains Dimming
03.8308.40ANI
03.8308.14ANI
Casambi
03.8308.40ACB
03.8308.14ACB
Non Dimmable
03.8309.40A
03.8309.14A
Dali Version
03.8309.40BDA
03.8309.14BDA
Mains Dimming
03.8309.40ANI
03.8309.14ANI
Casambi
03.8309.40ACB
03.8309.14ACB
Non Dimmable
05.1130.40A
05.1130.14A
Dali Version
05.1130.40BDA
05.1130.14BDA
Mains Dimming
05.1130.40ANI
05.1130.14ANI
Casambi
05.1130.40ACB
05.1130.14ACB
Non Dimmable
05.1131.40A
05.1131.14A
Dali Version
05.1131.40BDA
05.1131.14BDA
Mains Dimming
05.1131.40ANI
05.1131.14ANI
Casambi
05.1131.40ACB
05.1131.14ACB
Non Dimmable
05.1132.40A
05.1132.14A
Dali Version
05.1132.40BDA
05.1132.14BDA
Mains Dimming
05.1132.40ANI
05.1132.14ANI
Casambi
05.1132.40ACB
05.1132.14ACB

WIDE FLOOD



Luminous flux luminaire
731 lm [EXTREME CUT OFF]

Beam Angle: 45°

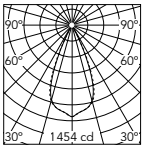
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.8312.40A
03.8312.14A
Dali Version
03.8312.40BDA
03.8312.14BDA
Mains Dimming
03.8312.40ANI
03.8312.14ANI
Casambi
03.8312.40ACB
03.8312.14ACB
Non Dimmable
03.8313.40A
03.8313.14A
Dali Version
03.8313.40BDA
03.8313.14BDA
Mains Dimming
03.8313.40ANI
03.8313.14ANI
Casambi
03.8313.40ACB
03.8313.14ACB
Non Dimmable
05.1135.40A
05.1135.14A
Dali Version
05.1135.40BDA
05.1135.14BDA
Mains Dimming
05.1135.40ANI
05.1135.14ANI
Casambi
05.1135.40ACB
05.1135.14ACB
Non Dimmable
05.1136.40A
05.1136.14A
Dali Version
05.1136.40BDA
05.1136.14BDA
Mains Dimming
05.1136.40ANI
05.1136.14ANI
Casambi
05.1136.40ACB
05.1136.14ACB
Non Dimmable
05.1137.40A
05.1137.14A
Dali Version
05.1137.40BDA
05.1137.14BDA
Mains Dimming
05.1137.40ANI
05.1137.14ANI
Casambi
05.1137.40ACB
05.1137.14ACB

WIDE FLOOD



Luminous flux luminaire
780 lm [EXTREME CUT OFF]

Beam Angle: 45°

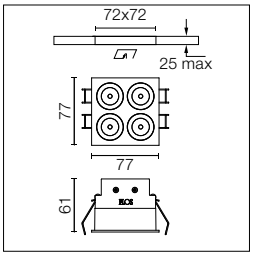
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

@White (40)

*Multipack erhältlich (14 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (14 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 4 Spots Square

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

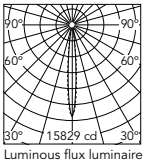
E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
05.0600.40
05.0600.14
Dali Version
05.0600.40.DA
05.0600.14.DA
Mains Dimming
05.0600.40.NI
05.0600.14.NI
Casambi
05.0600.40.CB
05.0600.14.CB
Non Dimmable
05.0601.40
05.0601.14
Dali Version
05.0601.40.DA
05.0601.14.DA
Mains Dimming
05.0601.40.NI
05.0601.14.NI
Casambi
05.0601.40.CB
05.0601.14.CB
Non Dimmable
05.0603.40
05.0603.14
Dali Version
05.0603.40.DA
05.0603.14.DA
Mains Dimming
05.0603.40.NI
05.0603.14.NI
Casambi
05.0603.40.CB
05.0603.14.CB
Non Dimmable
05.0604.40
05.0604.14
Dali Version
05.0604.40.DA
05.0604.14.DA
Mains Dimming
05.0604.40.NI
05.0604.14.NI
Casambi
05.0604.40.CB
05.0604.14.CB
Non Dimmable
05.0602.40
05.0602.14
Dali Version
05.0602.40.DA
05.0602.14.DA
Mains Dimming
05.0602.40.NI
05.0602.14.NI
Casambi
05.0602.40.CB
05.0602.14.CB



Luminous flux luminaire
865 lm (EXTREME CUT OFF)

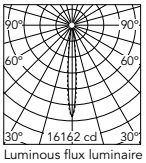
@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

Optic Spot 3000K

E I Non Dimmable
05.0605.40
05.0605.14
Dali Version
05.0605.40.DA
05.0605.14.DA
Mains Dimming
05.0605.40.NI
05.0605.14.NI
Casambi
05.0605.40.CB
05.0605.14.CB
Non Dimmable
05.0606.40
05.0606.14
Dali Version
05.0606.40.DA
05.0606.14.DA
Mains Dimming
05.0606.40.NI
05.0606.14.NI
Casambi
05.0606.40.CB
05.0606.14.CB
Non Dimmable
05.0608.40
05.0608.14
Dali Version
05.0608.40.DA
05.0608.14.DA
Mains Dimming
05.0608.40.NI
05.0608.14.NI
Casambi
05.0608.40.CB
05.0608.14.CB
Non Dimmable
05.0609.40
05.0609.14
Dali Version
05.0609.40.DA
05.0609.14.DA
Mains Dimming
05.0609.40.NI
05.0609.14.NI
Casambi
05.0609.40.CB
05.0609.14.CB
Non Dimmable
05.0607.40
05.0607.14
Dali Version
05.0607.40.DA
05.0607.14.DA
Mains Dimming
05.0607.40.NI
05.0607.14.NI
Casambi
05.0607.40.CB
05.0607.14.CB



Luminous flux luminaire
883 lm (EXTREME CUT OFF)

@White (40)

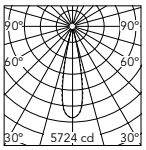
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

Optic Medium 2700K

E I Non Dimmable
05.0610.40
05.0610.14
Dali Version
05.0610.40.DA
05.0610.14.DA
Mains Dimming
05.0610.40.NI
05.0610.14.NI
Casambi
05.0610.40.CB
05.0610.14.CB
Non Dimmable
05.0611.40
05.0611.14
Dali Version
05.0611.40.DA
05.0611.14.DA
Mains Dimming
05.0611.40.NI
05.0611.14.NI
Casambi
05.0611.40.CB
05.0611.14.CB
Non Dimmable
05.0613.40
05.0613.14
Dali Version
05.0613.40.DA
05.0613.14.DA
Mains Dimming
05.0613.40.NI
05.0613.14.NI
Casambi
05.0613.40.CB
05.0613.14.CB
Non Dimmable
05.0614.40
05.0614.14
Dali Version
05.0614.40.DA
05.0614.14.DA
Mains Dimming
05.0614.40.NI
05.0614.14.NI
Casambi
05.0614.40.CB
05.0614.14.CB
Non Dimmable
05.0612.40
05.0612.14
Dali Version
05.0612.40.DA
05.0612.14.DA
Mains Dimming
05.0612.40.NI
05.0612.14.NI
Casambi
05.0612.40.CB
05.0612.14.CB

22°
MEDIUM



Luminous flux luminaire
856 lm (EXTREME CUT OFF)

@White (40)

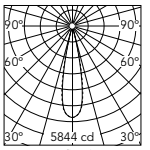
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5724	0.39
2	1431	0.78
3	636	1.17
4	358	1.56
5	229	1.95

Optic Medium 3000K

E I Non Dimmable
05.0615.40
05.0615.14
Dali Version
05.0615.40.DA
05.0615.14.DA
Mains Dimming
05.0615.40.NI
05.0615.14.NI
Casambi
05.0615.40.CB
05.0615.14.CB
Non Dimmable
05.0616.40
05.0616.14
Dali Version
05.0616.40.DA
05.0616.14.DA
Mains Dimming
05.0616.40.NI
05.0616.14.NI
Casambi
05.0616.40.CB
05.0616.14.CB
Non Dimmable
05.0618.40
05.0618.14
Dali Version
05.0618.40.DA
05.0618.14.DA
Mains Dimming
05.0618.40.NI
05.0618.14.NI
Casambi
05.0618.40.CB
05.0618.14.CB
Non Dimmable
05.0619.40
05.0619.14
Dali Version
05.0619.40.DA
05.0619.14.DA
Mains Dimming
05.0619.40.NI
05.0619.14.NI
Casambi
05.0619.40.CB
05.0619.14.CB
Non Dimmable
05.0617.40
05.0617.14
Dali Version
05.0617.40.DA
05.0617.14.DA
Mains Dimming
05.0617.40.NI
05.0617.14.NI
Casambi
05.0617.40.CB
05.0617.14.CB

22°
MEDIUM



Luminous flux luminaire
874 lm (EXTREME CUT OFF)

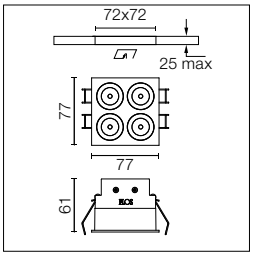
@White (40)

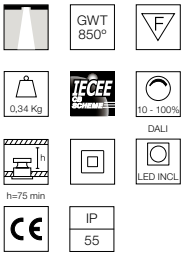
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

Light Shadow Fixed Trim 4 Spots Square

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

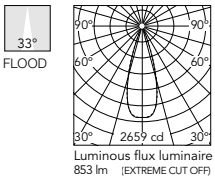
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

Non Dimmable
05.0620.40
05.0620.14
Dali Version
05.0620.40.DA
05.0620.14.DA
Mains Dimming
05.0620.40.NI
05.0620.14.NI
Casambi
05.0620.40.CB
05.0620.14.CB
Non Dimmable
05.0621.40
05.0621.14
Dali Version
05.0621.40.DA
05.0621.14.DA
Mains Dimming
05.0621.40.NI
05.0621.14.NI
Casambi
05.0621.40.CB
05.0621.14.CB
Non Dimmable
05.0623.40
05.0623.14
Dali Version
05.0623.40.DA
05.0623.14.DA
Mains Dimming
05.0623.40.NI
05.0623.14.NI
Casambi
05.0623.40.CB
05.0623.14.CB
Non Dimmable
05.0624.40
05.0624.14
Dali Version
05.0624.40.DA
05.0624.14.DA
Mains Dimming
05.0624.40.NI
05.0624.14.NI
Casambi
05.0624.40.CB
05.0624.14.CB
Non Dimmable
05.0622.40
05.0622.14
Dali Version
05.0622.40.DA
05.0622.14.DA
Mains Dimming
05.0622.40.NI
05.0622.14.NI
Casambi
05.0622.40.CB
05.0622.14.CB



Luminous flux luminaire
853 lm (EXTREME CUT OFF)

@White (40)

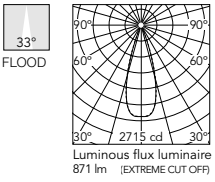
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2659	0.59
2	665	1.18
3	295	1.78
4	166	2.37
5	107	2.96

Optic Flood 3000K

E I

Non Dimmable
05.0625.40
05.0625.14
Dali Version
05.0625.40.DA
05.0625.14.DA
Mains Dimming
05.0625.40.NI
05.0625.14.NI
Casambi
05.0625.40.CB
05.0625.14.CB
Non Dimmable
05.0626.40
05.0626.14
Dali Version
05.0626.40.DA
05.0626.14.DA
Mains Dimming
05.0626.40.NI
05.0626.14.NI
Casambi
05.0626.40.CB
05.0626.14.CB
Non Dimmable
05.0628.40
05.0628.14
Dali Version
05.0628.40.DA
05.0628.14.DA
Mains Dimming
05.0628.40.NI
05.0628.14.NI
Casambi
05.0628.40.CB
05.0628.14.CB
Non Dimmable
05.0629.40
05.0629.14
Dali Version
05.0629.40.DA
05.0629.14.DA
Mains Dimming
05.0629.40.NI
05.0629.14.NI
Casambi
05.0629.40.CB
05.0629.14.CB
Non Dimmable
05.0627.40
05.0627.14
Dali Version
05.0627.40.DA
05.0627.14.DA
Mains Dimming
05.0627.40.NI
05.0627.14.NI
Casambi
05.0627.40.CB
05.0627.14.CB



Luminous flux luminaire
871 lm (EXTREME CUT OFF)

@White (40)

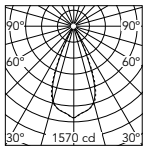
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

Optic Wide Flood 2700K

E I Non Dimmable
05.0630.40
05.0630.14
Dali Version
05.0630.40.DA
05.0630.14.DA
Mains Dimming
05.0630.40.NI
05.0630.14.NI
Casambi
05.0630.40.CB
05.0630.14.CB
Non Dimmable
05.0631.40
05.0631.14
Dali Version
05.0631.40.DA
05.0631.14.DA
Mains Dimming
05.0631.40.NI
05.0631.14.NI
Casambi
05.0631.40.CB
05.0631.14.CB
Non Dimmable
05.0633.40
05.0633.14
Dali Version
05.0633.40.DA
05.0633.14.DA
Mains Dimming
05.0633.40.NI
05.0633.14.NI
Casambi
05.0633.40.CB
05.0633.14.CB
Non Dimmable
05.0634.40
05.0634.14
Dali Version
05.0634.40.DA
05.0634.14.DA
Mains Dimming
05.0634.40.NI
05.0634.14.NI
Casambi
05.0634.40.CB
05.0634.14.CB
Non Dimmable
05.0632.40
05.0632.14
Dali Version
05.0632.40.DA
05.0632.14.DA
Mains Dimming
05.0632.40.NI
05.0632.14.NI
Casambi
05.0632.40.CB
05.0632.14.CB

WIDE FLOOD



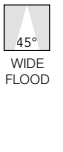
Luminous flux luminaire
842 lm (EXTREME CUT OFF)
@White (40)

Beam Angle: 45°

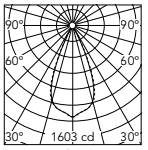
h(m)	E(lx)	D(m)
1	1570	0.83
2	392	1.67
3	174	2.50
4	98	3.34
5	63	4.17

Optic Wide Flood 3000K

E I Non Dimmable
05.0635.40
05.0635.14
Dali Version
05.0635.40.DA
05.0635.14.DA
Mains Dimming
05.0635.40.NI
05.0635.14.NI
Casambi
05.0635.40.CB
05.0635.14.CB
Non Dimmable
05.0636.40
05.0636.14
Dali Version
05.0636.40.DA
05.0636.14.DA
Mains Dimming
05.0636.40.NI
05.0636.14.NI
Casambi
05.0636.40.CB
05.0636.14.CB
Non Dimmable
05.0638.40
05.0638.14
Dali Version
05.0638.40.DA
05.0638.14.DA
Mains Dimming
05.0638.40.NI
05.0638.14.NI
Casambi
05.0638.40.CB
05.0638.14.CB
Non Dimmable
05.0639.40
05.0639.14
Dali Version
05.0639.40.DA
05.0639.14.DA
Mains Dimming
05.0639.40.NI
05.0639.14.NI
Casambi
05.0639.40.CB
05.0639.14.CB
Non Dimmable
05.0637.40
05.0637.14
Dali Version
05.0637.40.DA
05.0637.14.DA
Mains Dimming
05.0637.40.NI
05.0637.14.NI
Casambi
05.0637.40.CB
05.0637.14.CB



WIDE FLOOD



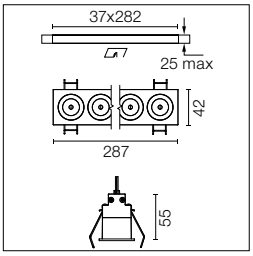
Luminous flux luminaire
860 lm (EXTREME CUT OFF)
@White (40)

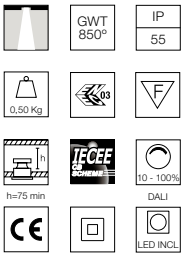
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

Light Shadow Fixed Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

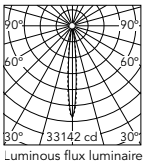
* Multipack available.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
03.8836.40A
03.8836.14A
Dali Version
03.8836.40BDA
03.8836.14BDA
Mains Dimming
03.8836.40ANI
03.8836.14ANI
Casambi
03.8836.40ACB
03.8836.14ACB
Non Dimmable
03.8837.40A
03.8837.14A
Dali Version
03.8837.40BDA
03.8837.14BDA
Mains Dimming
03.8837.40ANI
03.8837.14ANI
Casambi
03.8837.40ACB
03.8837.14ACB
Non Dimmable
05.1200.40A
05.1200.14A
Dali Version
05.1200.40BDA
05.1200.14BDA
Mains Dimming
05.1200.40ANI
05.1200.14ANI
Casambi
05.1200.40ACB
05.1200.14ACB
Non Dimmable
05.1201.40A
05.1201.14A
Dali Version
05.1201.40BDA
05.1201.14BDA
Mains Dimming
05.1201.40ANI
05.1201.14ANI
Casambi
05.1201.40ACB
05.1201.14ACB
Non Dimmable
05.1202.40A
05.1202.14A
Dali Version
05.1202.40BDA
05.1202.14BDA
Mains Dimming
05.1202.40ANI
05.1202.14ANI
Casambi
05.1202.40ACB
05.1202.14ACB

10° SPOT

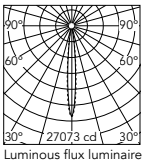


Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1480 lm (EXTREME CUT OFF)

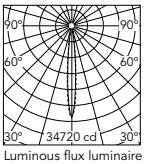
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	27073	0.17
2	6768	0.35
3	3008	0.52
4	1692	0.70
5	1083	0.87

Optic Spot 3000K

E I Non Dimmable
03.8840.40A
03.8840.14A
Dali Version
03.8840.40BDA
03.8840.14BDA
Mains Dimming
03.8840.40ANI
03.8840.14ANI
Casambi
03.8840.40ACB
03.8840.14ACB
Non Dimmable
03.8841.40A
03.8841.14A
Dali Version
03.8841.40BDA
03.8841.14BDA
Mains Dimming
03.8841.40ANI
03.8841.14ANI
Casambi
03.8841.40ACB
03.8841.14ACB
Non Dimmable
05.1205.40A
05.1205.14A
Dali Version
05.1205.40BDA
05.1205.14BDA
Mains Dimming
05.1205.40ANI
05.1205.14ANI
Casambi
05.1205.40ACB
05.1205.14ACB
Non Dimmable
05.1206.40A
05.1206.14A
Dali Version
05.1206.40BDA
05.1206.14BDA
Mains Dimming
05.1206.40ANI
05.1206.14ANI
Casambi
05.1206.40ACB
05.1206.14ACB
Non Dimmable
05.1207.40A
05.1207.14A
Dali Version
05.1207.40BDA
05.1207.14BDA
Mains Dimming
05.1207.40ANI
05.1207.14ANI
Casambi
05.1207.40ACB
05.1207.14ACB

10° SPOT

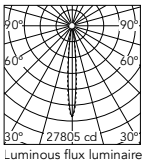


Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1520 lm (EXTREME CUT OFF)

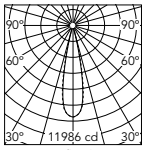
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	27805	0.17
2	6951	0.35
3	3089	0.52
4	1738	0.70
5	1112	0.87

Optic Medium 2700K

E I Non Dimmable
03.9140.40A
03.9140.14A
Dali Version
03.9140.40BDA
03.9140.14BDA
Mains Dimming
03.9140.40ANI
03.9140.14ANI
Casambi
03.9140.40ACB
03.9140.14ACB
Non Dimmable
03.9141.40A
03.9141.14A
Dali Version
03.9141.40BDA
03.9141.14BDA
Mains Dimming
03.9141.40ANI
03.9141.14ANI
Casambi
03.9141.40ACB
03.9141.14ACB
Non Dimmable
05.1210.40A
05.1210.14A
Dali Version
05.1210.40BDA
05.1210.14BDA
Mains Dimming
05.1210.40ANI
05.1210.14ANI
Casambi
05.1210.40ACB
05.1210.14ACB
Non Dimmable
05.1211.40A
05.1211.14A
Dali Version
05.1211.40BDA
05.1211.14BDA
Mains Dimming
05.1211.40ANI
05.1211.14ANI
Casambi
05.1211.40ACB
05.1211.14ACB
Non Dimmable
05.1212.40A
05.1212.14A
Dali Version
05.1212.40BDA
05.1212.14BDA
Mains Dimming
05.1212.40ANI
05.1212.14ANI
Casambi
05.1212.40ACB
05.1212.14ACB

22°
MEDIUM



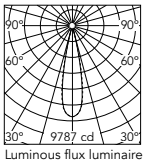
Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	11986	0.39
2	2996	0.78
3	1332	1.17
4	749	1.56
5	479	1.95

22°
MEDIUM



Luminous flux luminaire
1464 lm (EXTREME CUT OFF)

@White (40) 750mA

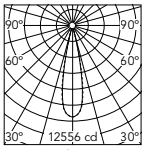
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9787	0.39
2	2447	0.78
3	1087	1.17
4	612	1.56
5	391	1.95

Optic Medium 3000K

E I Non Dimmable
03.9150.40A
03.9150.14A
Dali Version
03.9150.40BDA
03.9150.14BDA
Mains Dimming
03.9150.40ANI
03.9150.14ANI
Casambi
03.9150.40ACB
03.9150.14ACB
Non Dimmable
03.9151.40A
03.9151.14A
Dali Version
03.9151.40BDA
03.9151.14BDA
Mains Dimming
03.9151.40ANI
03.9151.14ANI
Casambi
03.9151.40ACB
03.9151.14ACB
Non Dimmable
05.1215.40A
05.1215.14A
Dali Version
05.1215.40BDA
05.1215.14BDA
Mains Dimming
05.1215.40ANI
05.1215.14ANI
Casambi
05.1215.40ACB
05.1215.14ACB
Non Dimmable
05.1216.40A
05.1216.14A
Dali Version
05.1216.40BDA
05.1216.14BDA
Mains Dimming
05.1216.40ANI
05.1216.14ANI
Casambi
05.1216.40ACB
05.1216.14ACB
Non Dimmable
05.1217.40A
05.1217.14A
Dali Version
05.1217.40BDA
05.1217.14BDA
Mains Dimming
05.1217.40ANI
05.1217.14ANI
Casambi
05.1217.40ACB
05.1217.14ACB

22°
MEDIUM



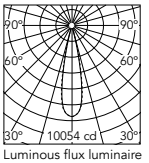
Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

22°
MEDIUM



Luminous flux luminaire
1504 lm (EXTREME CUT OFF)

@White (40) 750mA

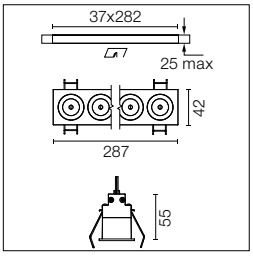
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	10054	0.39
2	2514	0.78
3	1117	1.17
4	628	1.56
5	402	1.95

*Multipack erhältlich (12 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (12 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

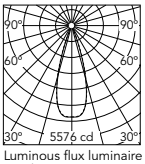
* Multipack available.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9145.40A
03.9145.14A
Dali Version
03.9145.40BDA
03.9145.14BDA
Mains Dimming
03.9145.40ANI
03.9145.14ANI
Casambi
03.9145.40ACB
03.9145.14ACB
Non Dimmable
03.9146.40A
03.9146.14A
Dali Version
03.9146.40BDA
03.9146.14BDA
Mains Dimming
03.9146.40ANI
03.9146.14ANI
Casambi
03.9146.40ACB
03.9146.14ACB
Non Dimmable
05.1220.40A
05.1220.14A
Dali Version
05.1220.40BDA
05.1220.14BDA
Mains Dimming
05.1220.40ANI
05.1220.14ANI
Casambi
05.1220.40ACB
05.1220.14ACB
Non Dimmable
05.1221.40A
05.1221.14A
Dali Version
05.1221.40BDA
05.1221.14BDA
Mains Dimming
05.1221.40ANI
05.1221.14ANI
Casambi
05.1221.40ACB
05.1221.14ACB
Non Dimmable
05.1222.40A
05.1222.14A
Dali Version
05.1222.40BDA
05.1222.14BDA
Mains Dimming
05.1222.40ANI
05.1222.14ANI
Casambi
05.1222.40ACB
05.1222.14ACB

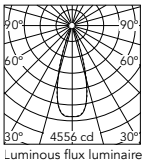
33° FLOOD



Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

33° FLOOD



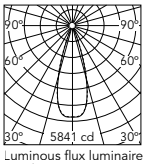
Luminous flux luminaire
1460 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4551	0.59
2	1138	1.18
3	506	1.78
4	284	2.37
5	182	2.96

Optic Flood 3000K

E I Non Dimmable
03.9155.40A
03.9155.14A
Dali Version
03.9155.40BDA
03.9155.14BDA
Mains Dimming
03.9155.40ANI
03.9155.14ANI
Casambi
03.9155.40ACB
03.9155.14ACB
Non Dimmable
03.9156.40A
03.9156.14A
Dali Version
03.9156.40BDA
03.9156.14BDA
Mains Dimming
03.9156.40ANI
03.9156.14ANI
Casambi
03.9156.40ACB
03.9156.14ACB
Non Dimmable
05.1225.40A
05.1225.14A
Dali Version
05.1225.40BDA
05.1225.14BDA
Mains Dimming
05.1225.40ANI
05.1225.14ANI
Casambi
05.1225.40ACB
05.1225.14ACB
Non Dimmable
05.1226.40A
05.1226.14A
Dali Version
05.1226.40BDA
05.1226.14BDA
Mains Dimming
05.1226.40ANI
05.1226.14ANI
Casambi
05.1226.40ACB
05.1226.14ACB
Non Dimmable
05.1227.40A
05.1227.14A
Dali Version
05.1227.40BDA
05.1227.14BDA
Mains Dimming
05.1227.40ANI
05.1227.14ANI
Casambi
05.1227.40ACB
05.1227.14ACB

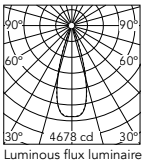
33° FLOOD



Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

33° FLOOD



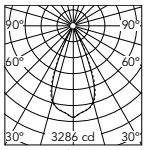
Luminous flux luminaire
1499 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4673	0.59
2	1168	1.18
3	519	1.78
4	292	2.37
5	187	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8316.40A
03.8316.14A
Dali Version
03.8316.40BDA
03.8316.14BDA
Mains Dimming
03.8316.40ANI
03.8316.14ANI
Casambi
03.8316.40ACB
03.8316.14ACB
Non Dimmable
03.8317.40A
03.8317.14A
Dali Version
03.8317.40BDA
03.8317.14BDA
Mains Dimming
03.8317.40ANI
03.8317.14ANI
Casambi
03.8317.40ACB
03.8317.14ACB
Non Dimmable
05.1230.40A
05.1230.14A
Dali Version
05.1230.40BDA
05.1230.14BDA
Mains Dimming
05.1230.40ANI
05.1230.14ANI
Casambi
05.1230.40ACB
05.1230.14ACB
Non Dimmable
05.1231.40A
05.1231.14A
Dali Version
05.1231.40BDA
05.1231.14BDA
Mains Dimming
05.1231.40ANI
05.1231.14ANI
Casambi
05.1231.40ACB
05.1231.14ACB
Non Dimmable
05.1232.40A
05.1232.14A
Dali Version
05.1232.40BDA
05.1232.14BDA
Mains Dimming
05.1232.40ANI
05.1232.14ANI
Casambi
05.1232.40ACB
05.1232.14ACB

45° WIDE FLOOD

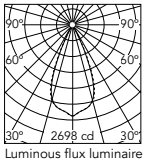


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3286	0.83
2	822	1.67
3	365	2.50
4	205	3.34
5	131	4.17

45° WIDE FLOOD



Luminous flux luminaire
1448 lm (EXTREME CUT OFF)

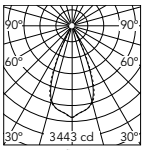
@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	2698	0.83
2	675	1.67
3	300	2.50
4	169	3.34
5	108	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8320.40A
03.8320.14A
Dali Version
03.8320.40BDA
03.8320.14BDA
Mains Dimming
03.8320.40ANI
03.8320.14ANI
Casambi
03.8320.40ACB
03.8320.14ACB
Non Dimmable
03.8321.40A
03.8321.14A
Dali Version
03.8321.40BDA
03.8321.14BDA
Mains Dimming
03.8321.40ANI
03.8321.14ANI
Casambi
03.8321.40ACB
03.8321.14ACB
Non Dimmable
05.1235.40A
05.1235.14A
Dali Version
05.1235.40BDA
05.1235.14BDA
Mains Dimming
05.1235.40ANI
05.1235.14ANI
Casambi
05.1235.40ACB
05.1235.14ACB
Non Dimmable
05.1236.40A
05.1236.14A
Dali Version
05.1236.40BDA
05.1236.14BDA
Mains Dimming
05.1236.40ANI
05.1236.14ANI
Casambi
05.1236.40ACB
05.1236.14ACB
Non Dimmable
05.1237.40A
05.1237.14A
Dali Version
05.1237.40BDA
05.1237.14BDA
Mains Dimming
05.1237.40ANI
05.1237.14ANI
Casambi
05.1237.40ACB
05.1237.14ACB

45° WIDE FLOOD

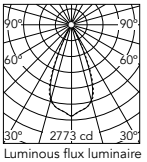


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3443	0.83
2	861	1.67
3	383	2.50
4	215	3.34
5	138	4.17

45° WIDE FLOOD



Luminous flux luminaire
1488 lm (EXTREME CUT OFF)

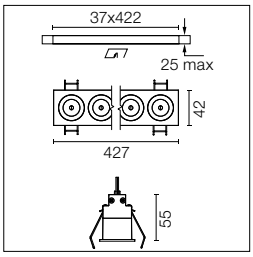
@White (40) 750mA

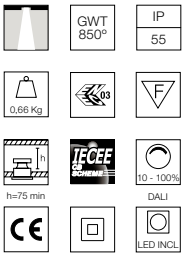
Beam Angle:		45°
h(m)	E(lx)	D(m)
1	2773	0.83
2	693	1.67
3	308	2.50
4	173	3.34
5	111	4.17

*Multipack erhältlich (12 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (12 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

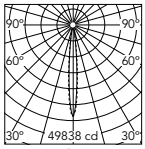
Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
03.8844.40A
03.8844.14A
Dali & Push Version
03.8844.40BDA
03.8844.14BDA
Mains Dimming
03.8844.40ANI
03.8844.14ANI
Casambi
03.8844.40ACB
03.8844.14ACB
Non Dimmable
03.8845.40A
03.8845.14A
Dali & Push Version
03.8845.40BDA
03.8845.14BDA
Mains Dimming
03.8845.40ANI
03.8845.14ANI
Casambi
03.8845.40ACB
03.8845.14ACB
Non Dimmable
05.1300.40A
05.1300.14A
Dali & Push Version
05.1300.40BDA
05.1300.14BDA
Mains Dimming
05.1300.40ANI
05.1300.14ANI
Casambi
05.1300.40ACB
05.1300.14ACB
Non Dimmable
05.1301.40A
05.1301.14A
Dali & Push Version
05.1301.40BDA
05.1301.14BDA
Mains Dimming
05.1301.40ANI
05.1301.14ANI
Casambi
05.1301.40ACB
05.1301.14ACB
Non Dimmable
05.1302.40A
05.1302.14A
Dali & Push Version
05.1302.40BDA
05.1302.14BDA
Mains Dimming
05.1302.40ANI
05.1302.14ANI
Casambi
05.1302.40ACB
05.1302.14ACB

10° SPOT

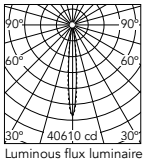


Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	10°
h(m)	E(lx) D(m)
1	49838 0.17
2	12459 0.35
3	5538 0.52
4	3115 0.70
5	1994 0.87

10° SPOT



Luminous flux luminaire
2220 lm (EXTREME CUT OFF)

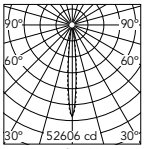
@White (40) 750mA

Beam Angle:	10°
h(m)	E(lx) D(m)
1	40610 0.17
2	10153 0.35
3	4512 0.52
4	2538 0.70
5	1624 0.87

Optic Spot 3000K

E I Non Dimmable
03.8848.40A
03.8848.14A
Dali & Push Version
03.8848.40BDA
03.8848.14BDA
Mains Dimming
03.8848.40ANI
03.8848.14ANI
Casambi
03.8848.40ACB
03.8848.14ACB
Non Dimmable
03.8849.40A
03.8849.14A
Dali & Push Version
03.8849.40BDA
03.8849.14BDA
Mains Dimming
03.8849.40ANI
03.8849.14ANI
Casambi
03.8849.40ACB
03.8849.14ACB
Non Dimmable
05.1305.40A
05.1305.14A
Dali & Push Version
05.1305.40BDA
05.1305.14BDA
Mains Dimming
05.1305.40ANI
05.1305.14ANI
Casambi
05.1305.40ACB
05.1305.14ACB
Non Dimmable
05.1306.40A
05.1306.14A
Dali & Push Version
05.1306.40BDA
05.1306.14BDA
Mains Dimming
05.1306.40ANI
05.1306.14ANI
Casambi
05.1306.40ACB
05.1306.14ACB
Non Dimmable
05.1307.40A
05.1307.14A
Dali & Push Version
05.1307.40BDA
05.1307.14BDA
Mains Dimming
05.1307.40ANI
05.1307.14ANI
Casambi
05.1307.40ACB
05.1307.14ACB

10° SPOT

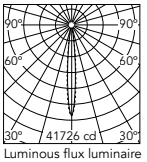


Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	10°
h(m)	E(lx) D(m)
1	52606 0.17
2	13152 0.35
3	5845 0.52
4	3288 0.70
5	2104 0.87

10° SPOT



Luminous flux luminaire
2281 lm (EXTREME CUT OFF)

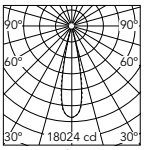
@White (40) 750mA

Beam Angle:	10°
h(m)	E(lx) D(m)
1	41726 0.17
2	10431 0.35
3	4636 0.52
4	2608 0.70
5	1669 0.87

Optic Medium 2700K

E I Non Dimmable
03.9160.40A
03.9160.14A
Dali & Push Version
03.9160.40BDA
03.9160.14BDA
Mains Dimming
03.9160.40ANI
03.9160.14ANI
Casambi
03.9160.40ACB
03.9160.14ACB
Non Dimmable
03.9161.40A
03.9161.14A
Dali & Push Version
03.9161.40BDA
03.9161.14BDA
Mains Dimming
03.9161.40ANI
03.9161.14ANI
Casambi
03.9161.40ACB
03.9161.14ACB
Non Dimmable
05.1310.40A
05.1310.14A
Dali & Push Version
05.1310.40BDA
05.1310.14BDA
Mains Dimming
05.1310.40ANI
05.1310.14ANI
Casambi
05.1310.40ACB
05.1310.14ACB
Non Dimmable
05.1311.40A
05.1311.14A
Dali & Push Version
05.1311.40BDA
05.1311.14BDA
Mains Dimming
05.1311.40ANI
05.1311.14ANI
Casambi
05.1311.40ACB
05.1311.14ACB
Non Dimmable
05.1312.40A
05.1312.14A
Dali & Push Version
05.1312.40BDA
05.1312.14BDA
Mains Dimming
05.1312.40ANI
05.1312.14ANI
Casambi
05.1312.40ACB
05.1312.14ACB

22°
MEDIUM

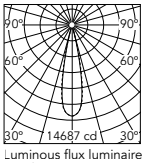


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2197 lm (EXTREME CUT OFF)

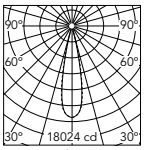
@White (40) 750mA

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	14687	0.39
2	3672	0.78
3	1632	1.17
4	918	1.56
5	587	1.95

Optic Medium 3000K

E I Non Dimmable
03.9170.40A
03.9170.14A
Dali & Push Version
03.9170.40BDA
03.9170.14BDA
Mains Dimming
03.9170.40ANI
03.9170.14ANI
Casambi
03.9170.40ACB
03.9170.14ACB
Non Dimmable
03.9171.40A
03.9171.14A
Dali & Push Version
03.9171.40BDA
03.9171.14BDA
Mains Dimming
03.9171.40ANI
03.9171.14ANI
Casambi
03.9171.40ACB
03.9171.14ACB
Non Dimmable
05.1315.40A
05.1315.14A
Dali & Push Version
05.1315.40BDA
05.1315.14BDA
Mains Dimming
05.1315.40ANI
05.1315.14ANI
Casambi
05.1315.40ACB
05.1315.14ACB
Non Dimmable
05.1316.40A
05.1316.14A
Dali & Push Version
05.1316.40BDA
05.1316.14BDA
Mains Dimming
05.1316.40ANI
05.1316.14ANI
Casambi
05.1316.40ACB
05.1316.14ACB
Non Dimmable
05.1317.40A
05.1317.14A
Dali & Push Version
05.1317.40BDA
05.1317.14BDA
Mains Dimming
05.1317.40ANI
05.1317.14ANI
Casambi
05.1317.40ACB
05.1317.14ACB

22°
MEDIUM

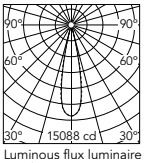


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



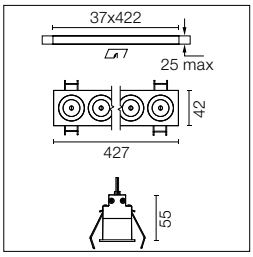
Luminous flux luminaire
2257 lm (EXTREME CUT OFF)

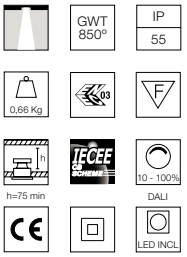
@White (40) 750mA

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	15088	0.39
2	3772	0.78
3	1676	1.17
4	943	1.56
5	604	1.95

Light Shadow Fixed Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

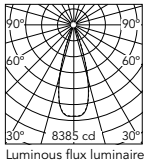
Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9165.40A
03.9165.14A
Dali & Push Version
03.9165.40BDA
03.9165.14BDA
Mains Dimming
03.9165.40ANI
03.9165.14ANI
Casambi
03.9165.40ACB
03.9165.14ACB
Non Dimmable
03.9166.40A
03.9166.14A
Dali & Push Version
03.9166.40BDA
03.9166.14BDA
Mains Dimming
03.9166.40ANI
03.9166.14ANI
Casambi
03.9166.40ACB
03.9166.14ACB
Non Dimmable
05.1320.40A
05.1320.14A
Dali & Push Version
05.1320.40BDA
05.1320.14BDA
Mains Dimming
05.1320.40ANI
05.1320.14ANI
Casambi
05.1320.40ACB
05.1320.14ACB
Non Dimmable
05.1321.40A
05.1321.14A
Dali & Push Version
05.1321.40BDA
05.1321.14BDA
Mains Dimming
05.1321.40ANI
05.1321.14ANI
Casambi
05.1321.40ACB
05.1321.14ACB
Non Dimmable
05.1322.40A
05.1322.14A
Dali & Push Version
05.1322.40BDA
05.1322.14BDA
Mains Dimming
05.1322.40ANI
05.1322.14ANI
Casambi
05.1322.40ACB
05.1322.14ACB

33° FLOOD

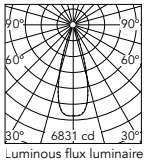


Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

33° FLOOD



Luminous flux luminaire
2189 lm (EXTREME CUT OFF)

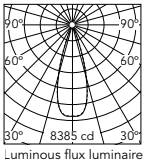
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	6824	0.59
2	1706	1.18
3	758	1.78
4	427	2.37
5	273	2.96

Optic Flood 3000K

E I Non Dimmable
03.9175.40A
03.9175.14A
Dali & Push Version
03.9175.40BDA
03.9175.14BDA
Mains Dimming
03.9175.40ANI
03.9175.14ANI
Casambi
03.9175.40ACB
03.9175.14ACB
Non Dimmable
03.9176.40A
03.9176.14A
Dali & Push Version
03.9176.40BDA
03.9176.14BDA
Mains Dimming
03.9176.40ANI
03.9176.14ANI
Casambi
03.9176.40ACB
03.9176.14ACB
Non Dimmable
05.1325.40A
05.1325.14A
Dali & Push Version
05.1325.40BDA
05.1325.14BDA
Mains Dimming
05.1325.40ANI
05.1325.14ANI
Casambi
05.1325.40ACB
05.1325.14ACB
Non Dimmable
05.1326.40A
05.1326.14A
Dali & Push Version
05.1326.40BDA
05.1326.14BDA
Mains Dimming
05.1326.40ANI
05.1326.14ANI
Casambi
05.1326.40ACB
05.1326.14ACB
Non Dimmable
05.1327.40A
05.1327.14A
Dali & Push Version
05.1327.40BDA
05.1327.14BDA
Mains Dimming
05.1327.40ANI
05.1327.14ANI
Casambi
05.1327.40ACB
05.1327.14ACB

33° FLOOD

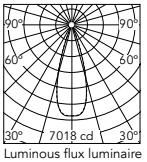


Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

33° FLOOD



Luminous flux luminaire
2249 lm (EXTREME CUT OFF)

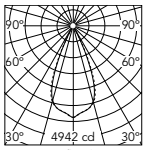
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	7011	0.59
2	1753	1.18
3	779	1.78
4	438	2.37
5	280	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8324.40A
03.8324.14A
Dali & Push Version
03.8324.40BDA
03.8324.14BDA
Mains Dimming
03.8324.40ANI
03.8324.14ANI
Casambi
03.8324.40ACB
03.8324.14ACB
Non Dimmable
03.8325.40A
03.8325.14A
Dali & Push Version
03.8325.40BDA
03.8325.14BDA
Mains Dimming
03.8325.40ANI
03.8325.14ANI
Casambi
03.8325.40ACB
03.8325.14ACB
Non Dimmable
05.1330.40A
05.1330.14A
Dali & Push Version
05.1330.40BDA
05.1330.14BDA
Mains Dimming
05.1330.40ANI
05.1330.14ANI
Casambi
05.1330.40ACB
05.1330.14ACB
Non Dimmable
05.1331.40A
05.1331.14A
Dali & Push Version
05.1331.40BDA
05.1331.14BDA
Mains Dimming
05.1331.40ANI
05.1331.14ANI
Casambi
05.1331.40ACB
05.1331.14ACB
Non Dimmable
05.1332.40A
05.1332.14A
Dali & Push Version
05.1332.40BDA
05.1332.14BDA
Mains Dimming
05.1332.40ANI
05.1332.14ANI
Casambi
05.1332.40ACB
05.1332.14ACB

45° WIDE FLOOD

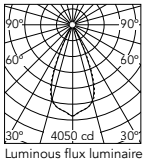


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4942 0.83
2	1235 1.67
3	549 2.50
4	309 3.34
5	198 4.17

45° WIDE FLOOD



Luminous flux luminaire
2173 lm (EXTREME CUT OFF)

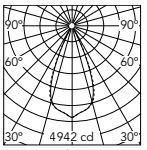
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4050 0.83
2	1012 1.67
3	450 2.50
4	253 3.34
5	162 4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8328.40A
03.8328.14A
Dali & Push Version
03.8328.40BDA
03.8328.14BDA
Mains Dimming
03.8328.40ANI
03.8328.14ANI
Casambi
03.8328.40ACB
03.8328.14ACB
Non Dimmable
03.8329.40A
03.8329.14A
Dali & Push Version
03.8329.40BDA
03.8329.14BDA
Mains Dimming
03.8329.40ANI
03.8329.14ANI
Casambi
03.8329.40ACB
03.8329.14ACB
Non Dimmable
05.1335.40A
05.1335.14A
Dali & Push Version
05.1335.40BDA
05.1335.14BDA
Mains Dimming
05.1335.40ANI
05.1335.14ANI
Casambi
05.1335.40ACB
05.1335.14ACB
Non Dimmable
05.1336.40A
05.1336.14A
Dali & Push Version
05.1336.40BDA
05.1336.14BDA
Mains Dimming
05.1336.40ANI
05.1336.14ANI
Casambi
05.1336.40ACB
05.1336.14ACB
Non Dimmable
05.1337.40A
05.1337.14A
Dali & Push Version
05.1337.40BDA
05.1337.14BDA
Mains Dimming
05.1337.40ANI
05.1337.14ANI
Casambi
05.1337.40ACB
05.1337.14ACB

45° WIDE FLOOD

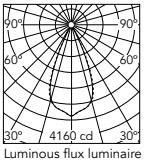


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4942 0.83
2	1235 1.67
3	549 2.50
4	309 3.34
5	198 4.17

45° WIDE FLOOD



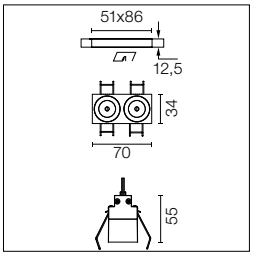
Luminous flux luminaire
2232 lm (EXTREME CUT OFF)

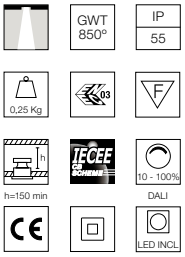
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4160 0.83
2	1040 1.67
3	462 2.50
4	260 3.34
5	166 4.17

Light Shadow Fixed No Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

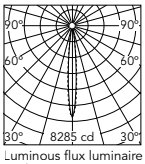
E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
03.8852.40A
03.8852.14A
Dali Version
03.8852.40BDA
03.8852.14BDA
Mains Dimming
03.8852.40ANI
03.8852.14ANI
Casambi
03.8852.40ACB
03.8852.14ACB
Non Dimmable
03.8853.40A
03.8853.14A
Dali Version
03.8853.40BDA
03.8853.14BDA
Mains Dimming
03.8853.40ANI
03.8853.14ANI
Casambi
03.8853.40ACB
03.8853.14ACB
Non Dimmable
05.1040.40A
05.1040.14A
Dali Version
05.1040.40BDA
05.1040.14BDA
Mains Dimming
05.1040.40ANI
05.1040.14ANI
Casambi
05.1040.40ACB
05.1040.14ACB
Non Dimmable
05.1041.40A
05.1041.14A
Dali Version
05.1041.40BDA
05.1041.14BDA
Mains Dimming
05.1041.40ANI
05.1041.14ANI
Casambi
05.1041.40ACB
05.1041.14ACB
Non Dimmable
05.1042.40A
05.1042.14A
Dali Version
05.1042.40BDA
05.1042.14BDA
Mains Dimming
05.1042.40ANI
05.1042.14ANI
Casambi
05.1042.40ACB
05.1042.14ACB



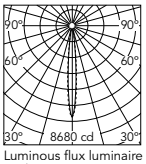
Luminous flux luminaire
453 lm (EXTREME CUT OFF)
@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8285	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

Optic Spot 3000K

E I Non Dimmable
03.8856.40A
03.8856.14A
Dali Version
03.8856.40BDA
03.8856.14BDA
Mains Dimming
03.8856.40ANI
03.8856.14ANI
Casambi
03.8856.40ACB
03.8856.14ACB
Non Dimmable
03.8857.40A
03.8857.14A
Dali Version
03.8857.40BDA
03.8857.14BDA
Mains Dimming
03.8857.40ANI
03.8857.14ANI
Casambi
03.8857.40ACB
03.8857.14ACB
Non Dimmable
05.1045.40A
05.1045.14A
Dali Version
05.1045.40BDA
05.1045.14BDA
Mains Dimming
05.1045.40ANI
05.1045.14ANI
Casambi
05.1045.40ACB
05.1045.14ACB
Non Dimmable
05.1046.40A
05.1046.14A
Dali Version
05.1046.40BDA
05.1046.14BDA
Mains Dimming
05.1046.40ANI
05.1046.14ANI
Casambi
05.1046.40ACB
05.1046.14ACB
Non Dimmable
05.1047.40A
05.1047.14A
Dali Version
05.1047.40BDA
05.1047.14BDA
Mains Dimming
05.1047.40ANI
05.1047.14ANI
Casambi
05.1047.40ACB
05.1047.14ACB



Luminous flux luminaire
475 lm (EXTREME CUT OFF)
@White (40)

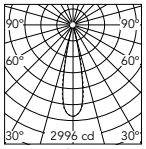
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	542	0.70
5	347	0.87

Optic Medium 2700K

E I Non Dimmable
03.9200.40A
03.9200.14A
Dali Version
03.9200.40BDA
03.9200.14BDA
Mains Dimming
03.9200.40ANI
03.9200.14ANI
Casambi
03.9200.40ACB
03.9200.14ACB
Non Dimmable
03.9201.40A
03.9201.14A
Dali Version
03.9201.40BDA
03.9201.14BDA
Mains Dimming
03.9201.40ANI
03.9201.14ANI
Casambi
03.9201.40ACB
03.9201.14ACB
Non Dimmable
05.1050.40A
05.1050.14A
Dali Version
05.1050.40BDA
05.1050.14BDA
Mains Dimming
05.1050.40ANI
05.1050.14ANI
Casambi
05.1050.40ACB
05.1050.14ACB
Non Dimmable
05.1051.40A
05.1051.14A
Dali Version
05.1051.40BDA
05.1051.14BDA
Mains Dimming
05.1051.40ANI
05.1051.14ANI
Casambi
05.1051.40ACB
05.1051.14ACB
Non Dimmable
05.1052.40A
05.1052.14A
Dali Version
05.1052.40BDA
05.1052.14BDA
Mains Dimming
05.1052.40ANI
05.1052.14ANI
Casambi
05.1052.40ACB
05.1052.14ACB

MEDIUM



Luminous flux luminaire
448 lm [EXTREME CUT OFF]
@White (40)

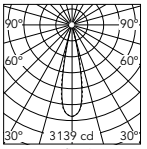
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

Optic Medium 3000K

E I Non Dimmable
03.9210.40A
03.9210.14A
Dali Version
03.9210.40BDA
03.9210.14BDA
Mains Dimming
03.9210.40ANI
03.9210.14ANI
Casambi
03.9210.40ACB
03.9210.14ACB
Non Dimmable
03.9211.40A
03.9211.14A
Dali Version
03.9211.40BDA
03.9211.14BDA
Mains Dimming
03.9211.40ANI
03.9211.14ANI
Casambi
03.9211.40ACB
03.9211.14ACB
Non Dimmable
05.1055.40A
05.1055.14A
Dali Version
05.1055.40BDA
05.1055.14BDA
Mains Dimming
05.1055.40ANI
05.1055.14ANI
Casambi
05.1055.40ACB
05.1055.14ACB
Non Dimmable
05.1056.40A
05.1056.14A
Dali Version
05.1056.40BDA
05.1056.14BDA
Mains Dimming
05.1056.40ANI
05.1056.14ANI
Casambi
05.1056.40ACB
05.1056.14ACB
Non Dimmable
05.1057.40A
05.1057.14A
Dali Version
05.1057.40BDA
05.1057.14BDA
Mains Dimming
05.1057.40ANI
05.1057.14ANI
Casambi
05.1057.40ACB
05.1057.14ACB

MEDIUM



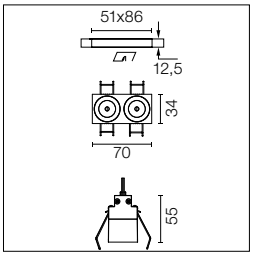
Luminous flux luminaire
470 lm [EXTREME CUT OFF]
@White (40)

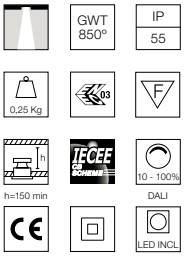
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Fixed No Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

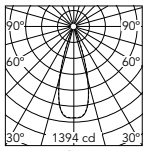
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

Non Dimmable
03.9205.40A
03.9205.14A
Dali Version
03.9205.40BDA
03.9205.14BDA
Mains Dimming
03.9205.40ANI
03.9205.14ANI
Casambi
03.9205.40ACB
03.9205.14ACB
Non Dimmable
03.9206.40A
03.9206.14A
Dali Version
03.9206.40BDA
03.9206.14BDA
Mains Dimming
03.9206.40ANI
03.9206.14ANI
Casambi
03.9206.40ACB
03.9206.14ACB
Non Dimmable
05.1060.40A
05.1060.14A
Dali Version
05.1060.40BDA
05.1060.14BDA
Mains Dimming
05.1060.40ANI
05.1060.14ANI
Casambi
05.1060.40ACB
05.1060.14ACB
Non Dimmable
05.1061.40A
05.1061.14A
Dali Version
05.1061.40BDA
05.1061.14BDA
Mains Dimming
05.1061.40ANI
05.1061.14ANI
Casambi
05.1061.40ACB
05.1061.14ACB
Non Dimmable
05.1062.40A
05.1062.14A
Dali Version
05.1062.40BDA
05.1062.14BDA
Mains Dimming
05.1062.40ANI
05.1062.14ANI
Casambi
05.1062.40ACB
05.1062.14ACB



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

@White (40)

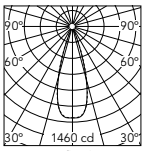
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

Optic Flood 3000K

E I

Non Dimmable
03.9215.40A
03.9215.14A
Dali Version
03.9215.40BDA
03.9215.14BDA
Mains Dimming
03.9215.40ANI
03.9215.14ANI
Casambi
03.9215.40ACB
03.9215.14ACB
Non Dimmable
03.9216.40A
03.9216.14A
Dali Version
03.9216.40BDA
03.9216.14BDA
Mains Dimming
03.9216.40ANI
03.9216.14ANI
Casambi
03.9216.40ACB
03.9216.14ACB
Non Dimmable
05.1065.40A
05.1065.14A
Dali Version
05.1065.40BDA
05.1065.14BDA
Mains Dimming
05.1065.40ANI
05.1065.14ANI
Casambi
05.1065.40ACB
05.1065.14ACB
Non Dimmable
05.1066.40A
05.1066.14A
Dali Version
05.1066.40BDA
05.1066.14BDA
Mains Dimming
05.1066.40ANI
05.1066.14ANI
Casambi
05.1066.40ACB
05.1066.14ACB
Non Dimmable
05.1067.40A
05.1067.14A
Dali Version
05.1067.40BDA
05.1067.14BDA
Mains Dimming
05.1067.40ANI
05.1067.14ANI
Casambi
05.1067.40ACB
05.1067.14ACB



Luminous flux luminaire
468 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

Optic Wide Flood 2700K

E I

Non Dimmable
03.8350.40A
03.8350.14A

Dali Version
03.8350.40BDA
03.8350.14BDA

Mains Dimming
03.8350.40ANI
03.8350.14ANI

Casambi
03.8350.40ACB
03.8350.14ACB

Non Dimmable
03.8351.40A
03.8351.14A

Dali Version
03.8351.40BDA
03.8351.14BDA

Mains Dimming
03.8351.40ANI
03.8351.14ANI

Casambi
03.8351.40ACB
03.8351.14ACB

Non Dimmable
05.1070.40A
05.1070.14A

Dali Version
05.1070.40BDA
05.1070.14BDA

Mains Dimming
05.1070.40ANI
05.1070.14ANI

Casambi
05.1070.40ACB
05.1070.14ACB

Non Dimmable
05.1071.40A
05.1071.14A

Dali Version
05.1071.40BDA
05.1071.14BDA

Mains Dimming
05.1071.40ANI
05.1071.14ANI

Casambi
05.1071.40ACB
05.1071.14ACB

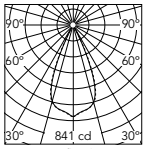
Non Dimmable
05.1072.40A
05.1072.14A

Dali Version
05.1072.40BDA
05.1072.14BDA

Mains Dimming
05.1072.40ANI
05.1072.14ANI

Casambi
05.1072.40ACB
05.1072.14ACB

WIDE FLOOD



Luminous flux luminaire
443 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	841	0.84
2	210	1.69
3	93	2.53
4	53	3.38
5	34	4.22

Optic Wide Flood 3000K

E I

Non Dimmable
03.8354.40A
03.8354.14A

Dali Version
03.8354.40BDA
03.8354.14BDA

Mains Dimming
03.8354.40ANI
03.8354.14ANI

Casambi
03.8354.40ACB
03.8354.14ACB

Non Dimmable
03.8355.40A
03.8355.14A

Dali Version
03.8355.40BDA
03.8355.14BDA

Mains Dimming
03.8355.40ANI
03.8355.14ANI

Casambi
03.8355.40ACB
03.8355.14ACB

Non Dimmable
05.1075.40A
05.1075.14A

Dali Version
05.1075.40BDA
05.1075.14BDA

Mains Dimming
05.1075.40ANI
05.1075.14ANI

Casambi
05.1075.40ACB
05.1075.14ACB

Non Dimmable
05.1076.40A
05.1076.14A

Dali Version
05.1076.40BDA
05.1076.14BDA

Mains Dimming
05.1076.40ANI
05.1076.14ANI

Casambi
05.1076.40ACB
05.1076.14ACB

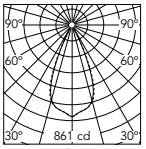
Non Dimmable
05.1077.40A
05.1077.14A

Dali Version
05.1077.40BDA
05.1077.14BDA

Mains Dimming
05.1077.40ANI
05.1077.14ANI

Casambi
05.1077.40ACB
05.1077.14ACB

WIDE FLOOD



Luminous flux luminaire
462 lm [EXTREME CUT OFF]

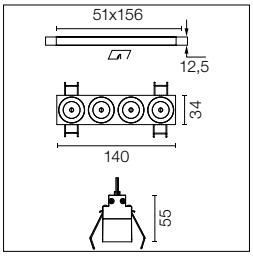
@White (40)

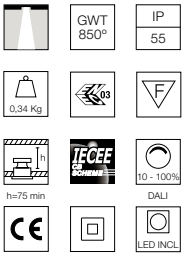
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

Light Shadow Fixed No Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

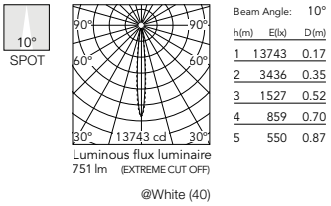
* Multipack available.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8860.40A
03.8860.14A
Dali Version
03.8860.40BDA
03.8860.14BDA
Mains Dimming
03.8860.40ANI
03.8860.14ANI
Casambi
03.8860.40ACB
03.8860.14ACB
Non Dimmable
03.8861.40A
03.8861.14A
Dali Version
03.8861.40BDA
03.8861.14BDA
Mains Dimming
03.8861.40ANI
03.8861.14ANI
Casambi
03.8861.40ACB
03.8861.14ACB
Non Dimmable
05.1140.40A
05.1140.14A
Dali Version
05.1140.40BDA
05.1140.14BDA
Mains Dimming
05.1140.40ANI
05.1140.14ANI
Casambi
05.1140.40ACB
05.1140.14ACB
Non Dimmable
05.1141.40A
05.1141.14A
Dali Version
05.1141.40BDA
05.1141.14BDA
Mains Dimming
05.1141.40ANI
05.1141.14ANI
Casambi
05.1141.40ACB
05.1141.14ACB
Non Dimmable
05.1142.40A
05.1142.14A
Dali Version
05.1142.40BDA
05.1142.14BDA
Mains Dimming
05.1142.40ANI
05.1142.14ANI
Casambi
05.1142.40ACB
05.1142.14ACB



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

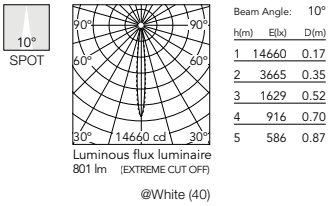
Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

Optic Spot 3000K

E I

Non Dimmable
03.8864.40A
03.8864.14A
Dali Version
03.8864.40BDA
03.8864.14BDA
Mains Dimming
03.8864.40ANI
03.8864.14ANI
Casambi
03.8864.40ACB
03.8864.14ACB
Non Dimmable
03.8865.40A
03.8865.14A
Dali Version
03.8865.40BDA
03.8865.14BDA
Mains Dimming
03.8865.40ANI
03.8865.14ANI
Casambi
03.8865.40ACB
03.8865.14ACB
Non Dimmable
05.1145.40A
05.1145.14A
Dali Version
05.1145.40BDA
05.1145.14BDA
Mains Dimming
05.1145.40ANI
05.1145.14ANI
Casambi
05.1145.40ACB
05.1145.14ACB
Non Dimmable
05.1146.40A
05.1146.14A
Dali Version
05.1146.40BDA
05.1146.14BDA
Mains Dimming
05.1146.40ANI
05.1146.14ANI
Casambi
05.1146.40ACB
05.1146.14ACB
Non Dimmable
05.1147.40A
05.1147.14A
Dali Version
05.1147.40BDA
05.1147.14BDA
Mains Dimming
05.1147.40ANI
05.1147.14ANI
Casambi
05.1147.40ACB
05.1147.14ACB



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

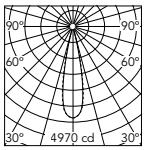
Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

Optic Medium 2700K

E I Non Dimmable
03.9220.40A
03.9220.14A
Dali Version
03.9220.40BDA
03.9220.14BDA
Mains Dimming
03.9220.40ANI
03.9220.14ANI
Casambi
03.9220.40ACB
03.9220.14ACB
Non Dimmable
03.9221.40A
03.9221.14A
Dali Version
03.9221.40BDA
03.9221.14BDA
Mains Dimming
03.9221.40ANI
03.9221.14ANI
Casambi
03.9221.40ACB
03.9221.14ACB
Non Dimmable
05.1150.40A
05.1150.14A
Dali Version
05.1150.40BDA
05.1150.14BDA
Mains Dimming
05.1150.40ANI
05.1150.14ANI
Casambi
05.1150.40ACB
05.1150.14ACB
Non Dimmable
05.1151.40A
05.1151.14A
Dali Version
05.1151.40BDA
05.1151.14BDA
Mains Dimming
05.1151.40ANI
05.1151.14ANI
Casambi
05.1151.40ACB
05.1151.14ACB
Non Dimmable
05.1152.40A
05.1152.14A
Dali Version
05.1152.40BDA
05.1152.14BDA
Mains Dimming
05.1152.40ANI
05.1152.14ANI
Casambi
05.1152.40ACB
05.1152.14ACB

22°
MEDIUM



Luminous flux luminaire
744 lm [EXTREME CUT OFF]

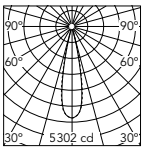
@White (40)

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I Non Dimmable
03.9230.40A
03.9230.14A
Dali Version
03.9230.40BDA
03.9230.14BDA
Mains Dimming
03.9230.40ANI
03.9230.14ANI
Casambi
03.9230.40ACB
03.9230.14ACB
Non Dimmable
03.9231.40A
03.9231.14A
Dali Version
03.9231.40BDA
03.9231.14BDA
Mains Dimming
03.9231.40ANI
03.9231.14ANI
Casambi
03.9231.40ACB
03.9231.14ACB
Non Dimmable
05.1155.40A
05.1155.14A
Dali Version
05.1155.40BDA
05.1155.14BDA
Mains Dimming
05.1155.40ANI
05.1155.14ANI
Casambi
05.1155.40ACB
05.1155.14ACB
Non Dimmable
05.1156.40A
05.1156.14A
Dali Version
05.1156.40BDA
05.1156.14BDA
Mains Dimming
05.1156.40ANI
05.1156.14ANI
Casambi
05.1156.40ACB
05.1156.14ACB
Non Dimmable
05.1157.40A
05.1157.14A
Dali Version
05.1157.40BDA
05.1157.14BDA
Mains Dimming
05.1157.40ANI
05.1157.14ANI
Casambi
05.1157.40ACB
05.1157.14ACB

22°
MEDIUM



Luminous flux luminaire
793 lm [EXTREME CUT OFF]

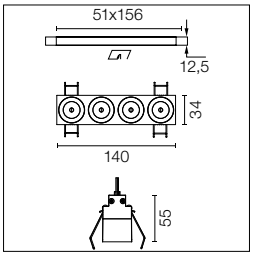
@White (40)

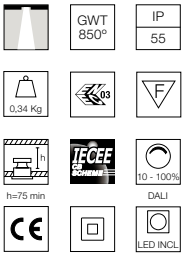
Beam Angle:		22°
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

*Multipack erhältlich (14 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (14 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

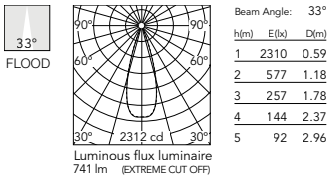
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

* Multipack available.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9225.40A
03.9225.14A
Dali Version
03.9225.40BDA
03.9225.14BDA
Mains Dimming
03.9225.40ANI
03.9225.14ANI
Casambi
03.9225.40ACB
03.9225.14ACB
Non Dimmable
03.9226.40A
03.9226.14A
Dali Version
03.9226.40BDA
03.9226.14BDA
Mains Dimming
03.9226.40ANI
03.9226.14ANI
Casambi
03.9226.40ACB
03.9226.14ACB
Non Dimmable
05.1160.40A
05.1160.14A
Dali Version
05.1160.40BDA
05.1160.14BDA
Mains Dimming
05.1160.40ANI
05.1160.14ANI
Casambi
05.1160.40ACB
05.1160.14ACB
Non Dimmable
05.1161.40A
05.1161.14A
Dali Version
05.1161.40BDA
05.1161.14BDA
Mains Dimming
05.1161.40ANI
05.1161.14ANI
Casambi
05.1161.40ACB
05.1161.14ACB
Non Dimmable
05.1162.40A
05.1162.14A
Dali Version
05.1162.40BDA
05.1162.14BDA
Mains Dimming
05.1162.40ANI
05.1162.14ANI
Casambi
05.1162.40ACB
05.1162.14ACB



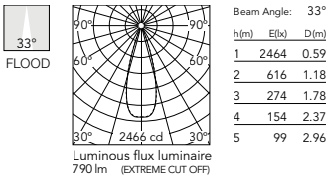
Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I Non Dimmable
03.9235.40A
03.9235.14A
Dali Version
03.9235.40BDA
03.9235.14BDA
Mains Dimming
03.9235.40ANI
03.9235.14ANI
Casambi
03.9235.40ACB
03.9235.14ACB
Non Dimmable
03.9236.40A
03.9236.14A
Dali Version
03.9236.40BDA
03.9236.14BDA
Mains Dimming
03.9236.40ANI
03.9236.14ANI
Casambi
03.9236.40ACB
03.9236.14ACB
Non Dimmable
05.1165.40A
05.1165.14A
Dali Version
05.1165.40BDA
05.1165.14BDA
Mains Dimming
05.1165.40ANI
05.1165.14ANI
Casambi
05.1165.40ACB
05.1165.14ACB
Non Dimmable
05.1166.40A
05.1166.14A
Dali Version
05.1166.40BDA
05.1166.14BDA
Mains Dimming
05.1166.40ANI
05.1166.14ANI
Casambi
05.1166.40ACB
05.1166.14ACB
Non Dimmable
05.1167.40A
05.1167.14A
Dali Version
05.1167.40BDA
05.1167.14BDA
Mains Dimming
05.1167.40ANI
05.1167.14ANI
Casambi
05.1167.40ACB
05.1167.14ACB



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Optic Wide Flood 2700K

E I

Non Dimmable
03.8358.40A
03.8358.14A

Dali Version
03.8358.40BDA
03.8358.14BDA

Mains Dimming
03.8358.40ANI
03.8358.14ANI

Casambi
03.8358.40ACB
03.8358.14ACB

Non Dimmable
03.8359.40A
03.8359.14A

Dali Version
03.8359.40BDA
03.8359.14BDA

Mains Dimming
03.8359.40ANI
03.8359.14ANI

Casambi
03.8359.40ACB
03.8359.14ACB

Non Dimmable
05.1170.40A
05.1170.14A

Dali Version
05.1170.40BDA
05.1170.14BDA

Mains Dimming
05.1170.40ANI
05.1170.14ANI

Casambi
05.1170.40ACB
05.1170.14ACB

Non Dimmable
05.1171.40A
05.1171.14A

Dali Version
05.1171.40BDA
05.1171.14BDA

Mains Dimming
05.1171.40ANI
05.1171.14ANI

Casambi
05.1171.40ACB
05.1171.14ACB

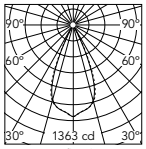
Non Dimmable
05.1172.40A
05.1172.14A

Dali Version
05.1172.40BDA
05.1172.14BDA

Mains Dimming
05.1172.40ANI
05.1172.14ANI

Casambi
05.1172.40ACB
05.1172.14ACB

WIDE FLOOD



Luminous flux luminaire
731 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Optic Wide Flood 3000K

E I

Non Dimmable
03.8362.40A
03.8362.14A

Dali Version
03.8362.40BDA
03.8362.14BDA

Mains Dimming
03.8362.40ANI
03.8362.14ANI

Casambi
03.8362.40ACB
03.8362.14ACB

Non Dimmable
03.8363.40A
03.8363.14A

Dali Version
03.8363.40BDA
03.8363.14BDA

Mains Dimming
03.8363.40ANI
03.8363.14ANI

Casambi
03.8363.40ACB
03.8363.14ACB

Non Dimmable
05.1175.40A
05.1175.14A

Dali Version
05.1175.40BDA
05.1175.14BDA

Mains Dimming
05.1175.40ANI
05.1175.14ANI

Casambi
05.1175.40ACB
05.1175.14ACB

Non Dimmable
05.1176.40A
05.1176.14A

Dali Version
05.1176.40BDA
05.1176.14BDA

Mains Dimming
05.1176.40ANI
05.1176.14ANI

Casambi
05.1176.40ACB
05.1176.14ACB

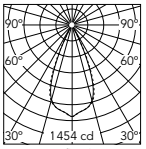
Non Dimmable
05.1177.40A
05.1177.14A

Dali Version
05.1177.40BDA
05.1177.14BDA

Mains Dimming
05.1177.40ANI
05.1177.14ANI

Casambi
05.1177.40ACB
05.1177.14ACB

WIDE FLOOD



Luminous flux luminaire
780 lm [EXTREME CUT OFF]

@White (40)

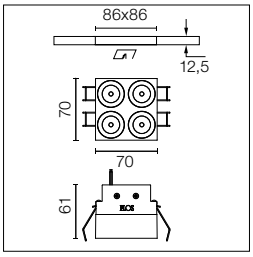
Beam Angle: 45°

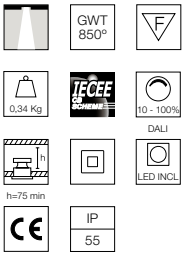
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

*Multipack erhältlich (14 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (14 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 4 Spots Square

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





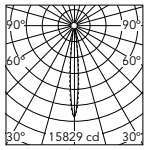
Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Spot 2700K



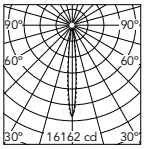
Luminous flux luminaire
865 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

E I Non Dimmable
05.0640.40
05.0640.14
Dali Version
05.0640.40.DA
05.0640.14.DA
Mains Dimming
05.0640.40.NI
05.0640.14.NI
Casambi
05.0640.40.CB
05.0640.14.CB
Non Dimmable
05.0641.40
05.0641.14
Dali Version
05.0641.40.DA
05.0641.14.DA
Mains Dimming
05.0641.40.NI
05.0641.14.NI
Casambi
05.0641.40.CB
05.0641.14.CB
Non Dimmable
05.0643.40
05.0643.14
Dali Version
05.0643.40.DA
05.0643.14.DA
Mains Dimming
05.0643.40.NI
05.0643.14.NI
Casambi
05.0643.40.CB
05.0643.14.CB
Non Dimmable
05.0644.40
05.0644.14
Dali Version
05.0644.40.DA
05.0644.14.DA
Mains Dimming
05.0644.40.NI
05.0644.14.NI
Casambi
05.0644.40.CB
05.0644.14.CB
Non Dimmable
05.0642.40
05.0642.14
Dali Version
05.0642.40.DA
05.0642.14.DA
Mains Dimming
05.0642.40.NI
05.0642.14.NI
Casambi
05.0642.40.CB
05.0642.14.CB

Optic Spot 3000K



Luminous flux luminaire
883 lm (EXTREME CUT OFF)

@White (40)

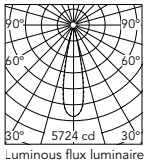
Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

E I Non Dimmable
05.0645.40
05.0645.14
Dali Version
05.0645.40.DA
05.0645.14.DA
Mains Dimming
05.0645.40.NI
05.0645.14.NI
Casambi
05.0645.40.CB
05.0645.14.CB
Non Dimmable
05.0646.40
05.0646.14
Dali Version
05.0646.40.DA
05.0646.14.DA
Mains Dimming
05.0646.40.NI
05.0646.14.NI
Casambi
05.0646.40.CB
05.0646.14.CB
Non Dimmable
05.0648.40
05.0648.14
Dali Version
05.0648.40.DA
05.0648.14.DA
Mains Dimming
05.0648.40.NI
05.0648.14.NI
Casambi
05.0648.40.CB
05.0648.14.CB
Non Dimmable
05.0649.40
05.0649.14
Dali Version
05.0649.40.DA
05.0649.14.DA
Mains Dimming
05.0649.40.NI
05.0649.14.NI
Casambi
05.0649.40.CB
05.0649.14.CB
Non Dimmable
05.0647.40
05.0647.14
Dali Version
05.0647.40.DA
05.0647.14.DA
Mains Dimming
05.0647.40.NI
05.0647.14.NI
Casambi
05.0647.40.CB
05.0647.14.CB

Optic Medium 2700K

E I Non Dimmable
05.0650.40
05.0650.14
Dali Version
05.0650.40.DA
05.0650.14.DA
Mains Dimming
05.0650.40.NI
05.0650.14.NI
Casambi
05.0650.40.CB
05.0650.14.CB
Non Dimmable
05.0651.40
05.0651.14
Dali Version
05.0651.40.DA
05.0651.14.DA
Mains Dimming
05.0651.40.NI
05.0651.14.NI
Casambi
05.0651.40.CB
05.0651.14.CB
Non Dimmable
05.0653.40
05.0653.14
Dali Version
05.0653.40.DA
05.0653.14.DA
Mains Dimming
05.0653.40.NI
05.0653.14.NI
Casambi
05.0653.40.CB
05.0653.14.CB
Non Dimmable
05.0654.40
05.0654.14
Dali Version
05.0654.40.DA
05.0654.14.DA
Mains Dimming
05.0654.40.NI
05.0654.14.NI
Casambi
05.0654.40.CB
05.0654.14.CB
Non Dimmable
05.0652.40
05.0652.14
Dali Version
05.0652.40.DA
05.0652.14.DA
Mains Dimming
05.0652.40.NI
05.0652.14.NI
Casambi
05.0652.40.CB
05.0652.14.CB

22°
MEDIUM



Luminous flux luminaire
856 lm (EXTREME CUT OFF)

@White (40)

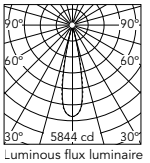
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5724	0.39
2	1431	0.78
3	636	1.17
4	358	1.56
5	229	1.95

Optic Medium 3000K

E I Non Dimmable
05.0655.40
05.0655.14
Dali Version
05.0655.40.DA
05.0655.14.DA
Mains Dimming
05.0655.40.NI
05.0655.14.NI
Casambi
05.0655.40.CB
05.0655.14.CB
Non Dimmable
05.0656.40
05.0656.14
Dali Version
05.0656.40.DA
05.0656.14.DA
Mains Dimming
05.0656.40.NI
05.0656.14.NI
Casambi
05.0656.40.CB
05.0656.14.CB
Non Dimmable
05.0658.40
05.0658.14
Dali Version
05.0658.40.DA
05.0658.14.DA
Mains Dimming
05.0658.40.NI
05.0658.14.NI
Casambi
05.0658.40.CB
05.0658.14.CB
Non Dimmable
05.0659.40
05.0659.14
Dali Version
05.0659.40.DA
05.0659.14.DA
Mains Dimming
05.0659.40.NI
05.0659.14.NI
Casambi
05.0659.40.CB
05.0659.14.CB
Non Dimmable
05.0657.40
05.0657.14
Dali Version
05.0657.40.DA
05.0657.14.DA
Mains Dimming
05.0657.40.NI
05.0657.14.NI
Casambi
05.0657.40.CB
05.0657.14.CB

22°
MEDIUM



Luminous flux luminaire
874 lm (EXTREME CUT OFF)

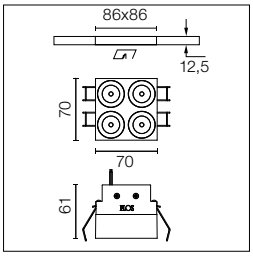
@White (40)

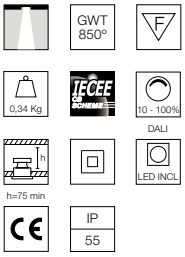
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

Light Shadow Fixed No Trim 4 Spots Square

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

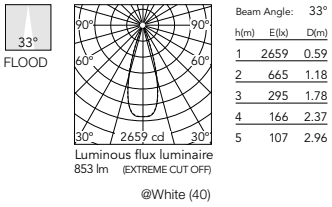
E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
05.0660.40
05.0660.14
Dali Version
05.0660.40.DA
05.0660.14.DA
Mains Dimming
05.0660.40.NI
05.0660.14.NI
Casambi
05.0660.40.CB
05.0660.14.CB
Non Dimmable
05.0661.40
05.0661.14
Dali Version
05.0661.40.DA
05.0661.14.DA
Mains Dimming
05.0661.40.NI
05.0661.14.NI
Casambi
05.0661.40.CB
05.0661.14.CB
Non Dimmable
05.0663.40
05.0663.14
Dali Version
05.0663.40.DA
05.0663.14.DA
Mains Dimming
05.0663.40.NI
05.0663.14.NI
Casambi
05.0663.40.CB
05.0663.14.CB
Non Dimmable
05.0664.40
05.0664.14
Dali Version
05.0664.40.DA
05.0664.14.DA
Mains Dimming
05.0664.40.NI
05.0664.14.NI
Casambi
05.0664.40.CB
05.0664.14.CB
Non Dimmable
05.0662.40
05.0662.14
Dali Version
05.0662.40.DA
05.0662.14.DA
Mains Dimming
05.0662.40.NI
05.0662.14.NI
Casambi
05.0662.40.CB
05.0662.14.CB



Beam Angle: 33°

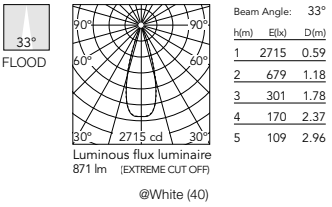
h(m)	E(lx)	D(m)
1	2659	0.59
2	665	1.18
3	295	1.78
4	166	2.37
5	107	2.96

Luminous flux luminaire
853 lm (EXTREME CUT OFF)

@White (40)

Optic Flood 3000K

E I Non Dimmable
05.0665.40
05.0665.14
Dali Version
05.0665.40.DA
05.0665.14.DA
Mains Dimming
05.0665.40.NI
05.0665.14.NI
Casambi
05.0665.40.CB
05.0665.14.CB
Non Dimmable
05.0666.40
05.0666.14
Dali Version
05.0666.40.DA
05.0666.14.DA
Mains Dimming
05.0666.40.NI
05.0666.14.NI
Casambi
05.0666.40.CB
05.0666.14.CB
Non Dimmable
05.0668.40
05.0668.14
Dali Version
05.0668.40.DA
05.0668.14.DA
Mains Dimming
05.0668.40.NI
05.0668.14.NI
Casambi
05.0668.40.CB
05.0668.14.CB
Non Dimmable
05.0669.40
05.0669.14
Dali Version
05.0669.40.DA
05.0669.14.DA
Mains Dimming
05.0669.40.NI
05.0669.14.NI
Casambi
05.0669.40.CB
05.0669.14.CB
Non Dimmable
05.0667.40
05.0667.14
Dali Version
05.0667.40.DA
05.0667.14.DA
Mains Dimming
05.0667.40.NI
05.0667.14.NI
Casambi
05.0667.40.CB
05.0667.14.CB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

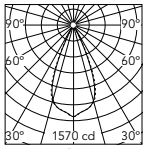
Luminous flux luminaire
871 lm (EXTREME CUT OFF)

@White (40)

Optic Wide Flood 2700K

E I Non Dimmable
05.0670.40
05.0670.14
Dali Version
05.0670.40.DA
05.0670.14.DA
Mains Dimming
05.0670.40.NI
05.0670.14.NI
Casambi
05.0670.40.CB
05.0670.14.CB
Non Dimmable
05.0671.40
05.0671.14
Dali Version
05.0671.40.DA
05.0671.14.DA
Mains Dimming
05.0671.40.NI
05.0671.14.NI
Casambi
05.0671.40.CB
05.0671.14.CB
Non Dimmable
05.0673.40
05.0673.14
Dali Version
05.0673.40.DA
05.0673.14.DA
Mains Dimming
05.0673.40.NI
05.0673.14.NI
Casambi
05.0673.40.CB
05.0673.14.CB
Non Dimmable
05.0674.40
05.0674.14
Dali Version
05.0674.40.DA
05.0674.14.DA
Mains Dimming
05.0674.40.NI
05.0674.14.NI
Casambi
05.0674.40.CB
05.0674.14.CB
Non Dimmable
05.0672.40
05.0672.14
Dali Version
05.0672.40.DA
05.0672.14.DA
Mains Dimming
05.0672.40.NI
05.0672.14.NI
Casambi
05.0672.40.CB
05.0672.14.CB

WIDE FLOOD



Luminous flux luminaire
842 lm (EXTREME CUT OFF)
@White (40)

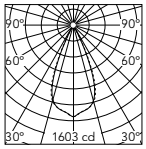
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1570	0.83
2	392	1.67
3	174	2.50
4	98	3.34
5	63	4.17

Optic Wide Flood 3000K

E I Non Dimmable
05.0675.40
05.0675.14
Dali Version
05.0675.40.DA
05.0675.14.DA
Mains Dimming
05.0675.40.NI
05.0675.14.NI
Casambi
05.0675.40.CB
05.0675.14.CB
Non Dimmable
05.0676.40
05.0676.14
Dali Version
05.0676.40.DA
05.0676.14.DA
Mains Dimming
05.0676.40.NI
05.0676.14.NI
Casambi
05.0676.40.CB
05.0676.14.CB
Non Dimmable
05.0678.40
05.0678.14
Dali Version
05.0678.40.DA
05.0678.14.DA
Mains Dimming
05.0678.40.NI
05.0678.14.NI
Casambi
05.0678.40.CB
05.0678.14.CB
Non Dimmable
05.0679.40
05.0679.14
Dali Version
05.0679.40.DA
05.0679.14.DA
Mains Dimming
05.0679.40.NI
05.0679.14.NI
Casambi
05.0679.40.CB
05.0679.14.CB
Non Dimmable
05.0677.40
05.0677.14
Dali Version
05.0677.40.DA
05.0677.14.DA
Mains Dimming
05.0677.40.NI
05.0677.14.NI
Casambi
05.0677.40.CB
05.0677.14.CB

WIDE FLOOD



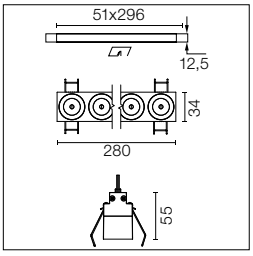
Luminous flux luminaire
860 lm (EXTREME CUT OFF)
@White (40)

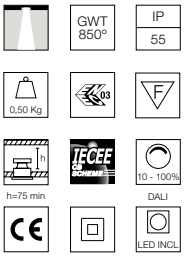
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

Light Shadow Fixed No Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

* Multipack available.

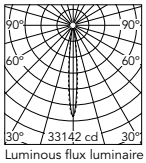
E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8868.40A
03.8868.14A
Dali Version
03.8868.40BDA
03.8868.14BDA
Mains Dimming
03.8868.40ANI
03.8868.14ANI
Casambi
03.8868.40ACB
03.8868.14ACB
Non Dimmable
03.8869.40A
03.8869.14A
Dali Version
03.8869.40BDA
03.8869.14BDA
Mains Dimming
03.8869.40ANI
03.8869.14ANI
Casambi
03.8869.40ACB
03.8869.14ACB
Non Dimmable
05.1240.40A
05.1240.14A
Dali Version
05.1240.40BDA
05.1240.14BDA
Mains Dimming
05.1240.40ANI
05.1240.14ANI
Casambi
05.1240.40ACB
05.1240.14ACB
Non Dimmable
05.1241.40A
05.1241.14A
Dali Version
05.1241.40BDA
05.1241.14BDA
Mains Dimming
05.1241.40ANI
05.1241.14ANI
Casambi
05.1241.40ACB
05.1241.14ACB
Non Dimmable
05.1242.40A
05.1242.14A
Dali Version
05.1242.40BDA
05.1242.14BDA
Mains Dimming
05.1242.40ANI
05.1242.14ANI
Casambi
05.1242.40ACB
05.1242.14ACB

10° SPOT

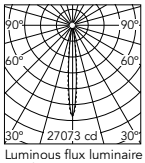


Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1480 lm (EXTREME CUT OFF)

@White (40) 750mA

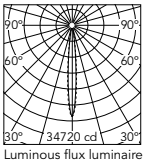
Beam Angle:		10°
h(m)	E(lx)	D(m)
1	27073	0.17
2	6768	0.35
3	3008	0.52
4	1692	0.70
5	1083	0.87

Optic Spot 3000K

E I

Non Dimmable
03.8872.40A
03.8872.14A
Dali Version
03.8872.40BDA
03.8872.14BDA
Mains Dimming
03.8872.40ANI
03.8872.14ANI
Casambi
03.8872.40ACB
03.8872.14ACB
Non Dimmable
03.8873.40A
03.8873.14A
Dali Version
03.8873.40BDA
03.8873.14BDA
Mains Dimming
03.8873.40ANI
03.8873.14ANI
Casambi
03.8873.40ACB
03.8873.14ACB
Non Dimmable
05.1245.40A
05.1245.14A
Dali Version
05.1245.40BDA
05.1245.14BDA
Mains Dimming
05.1245.40ANI
05.1245.14ANI
Casambi
05.1245.40ACB
05.1245.14ACB
Non Dimmable
05.1246.40A
05.1246.14A
Dali Version
05.1246.40BDA
05.1246.14BDA
Mains Dimming
05.1246.40ANI
05.1246.14ANI
Casambi
05.1246.40ACB
05.1246.14ACB
Non Dimmable
05.1247.40A
05.1247.14A
Dali Version
05.1247.40BDA
05.1247.14BDA
Mains Dimming
05.1247.40ANI
05.1247.14ANI
Casambi
05.1247.40ACB
05.1247.14ACB

10° SPOT

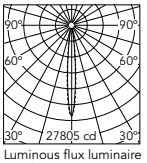


Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1520 lm (EXTREME CUT OFF)

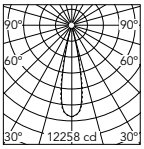
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	27805	0.17
2	6951	0.35
3	3089	0.52
4	1738	0.70
5	1112	0.87

Optic Medium 2700K

E I Non Dimmable
03.9240.40A
03.9240.14A
Dali Version
03.9240.40BDA
03.9240.14BDA
Mains Dimming
03.9240.40ANI
03.9240.14ANI
Casambi
03.9240.40ACB
03.9240.14ACB
Non Dimmable
03.9241.40A
03.9241.14A
Dali Version
03.9241.40BDA
03.9241.14BDA
Mains Dimming
03.9241.40ANI
03.9241.14ANI
Casambi
03.9241.40ACB
03.9241.14ACB
Non Dimmable
05.1250.40A
05.1250.14A
Dali Version
05.1250.40BDA
05.1250.14BDA
Mains Dimming
05.1250.40ANI
05.1250.14ANI
Casambi
05.1250.40ACB
05.1250.14ACB
Non Dimmable
05.1251.40A
05.1251.14A
Dali Version
05.1251.40BDA
05.1251.14BDA
Mains Dimming
05.1251.40ANI
05.1251.14ANI
Casambi
05.1251.40ACB
05.1251.14ACB
Non Dimmable
05.1252.40A
05.1252.14A
Dali Version
05.1252.40BDA
05.1252.14BDA
Mains Dimming
05.1252.40ANI
05.1252.14ANI
Casambi
05.1252.40ACB
05.1252.14ACB

22° MEDIUM

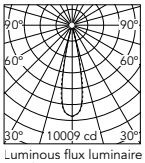


Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	12258	0.39
2	3065	0.78
3	1362	1.17
4	766	1.56
5	490	1.95

22° MEDIUM



Luminous flux luminaire
1464 lm (EXTREME CUT OFF)

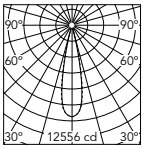
@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	10009	0.39
2	2502	0.78
3	1112	1.17
4	626	1.56
5	400	1.95

Optic Medium 3000K

E I Non Dimmable
03.9250.40A
03.9250.14A
Dali Version
03.9250.40BDA
03.9250.14BDA
Mains Dimming
03.9250.40ANI
03.9250.14ANI
Casambi
03.9250.40ACB
03.9250.14ACB
Non Dimmable
03.9251.40A
03.9251.14A
Dali Version
03.9251.40BDA
03.9251.14BDA
Mains Dimming
03.9251.40ANI
03.9251.14ANI
Casambi
03.9251.40ACB
03.9251.14ACB
Non Dimmable
05.1255.40A
05.1255.14A
Dali Version
05.1255.40BDA
05.1255.14BDA
Mains Dimming
05.1255.40ANI
05.1255.14ANI
Casambi
05.1255.40ACB
05.1255.14ACB
Non Dimmable
05.1256.40A
05.1256.14A
Dali Version
05.1256.40BDA
05.1256.14BDA
Mains Dimming
05.1256.40ANI
05.1256.14ANI
Casambi
05.1256.40ACB
05.1256.14ACB
Non Dimmable
05.1257.40A
05.1257.14A
Dali Version
05.1257.40BDA
05.1257.14BDA
Mains Dimming
05.1257.40ANI
05.1257.14ANI
Casambi
05.1257.40ACB
05.1257.14ACB

22° MEDIUM

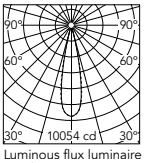


Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

22° MEDIUM



Luminous flux luminaire
1504 lm (EXTREME CUT OFF)

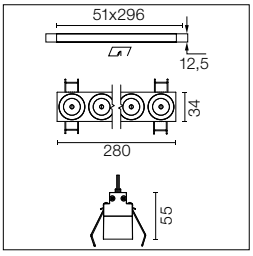
@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	10054	0.39
2	2514	0.78
3	1117	1.17
4	628	1.56
5	402	1.95

*Multipack erhältlich (12 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (12 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

* Multipack erhältlich.

E= Außenfarbe
I= Innenfarbe

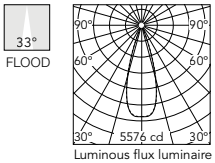
Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

* Multipack available.

E= External Finish
I= Internal Finish

Optic Flood 2700K

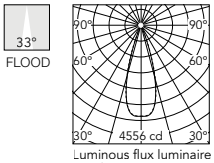
E I Non Dimmable
03.9245.40A
03.9245.14A
Dali Version
03.9245.40BDA
03.9245.14BDA
Mains Dimming
03.9245.40ANI
03.9245.14ANI
Casambi
03.9245.40ACB
03.9245.14ACB
Non Dimmable
03.9246.40A
03.9246.14A
Dali Version
03.9246.40BDA
03.9246.14BDA
Mains Dimming
03.9246.40ANI
03.9246.14ANI
Casambi
03.9246.40ACB
03.9246.14ACB
Non Dimmable
05.1260.40A
05.1260.14A
Dali Version
05.1260.40BDA
05.1260.14BDA
Mains Dimming
05.1260.40ANI
05.1260.14ANI
Casambi
05.1260.40ACB
05.1260.14ACB
Non Dimmable
05.1261.40A
05.1261.14A
Dali Version
05.1261.40BDA
05.1261.14BDA
Mains Dimming
05.1261.40ANI
05.1261.14ANI
Casambi
05.1261.40ACB
05.1261.14ACB
Non Dimmable
05.1262.40A
05.1262.14A
Dali Version
05.1262.40BDA
05.1262.14BDA
Mains Dimming
05.1262.40ANI
05.1262.14ANI
Casambi
05.1262.40ACB
05.1262.14ACB



Luminous flux luminaire
1787 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96



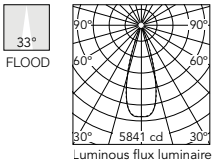
Luminous flux luminaire
1460 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	4551	0.59
2	1138	1.18
3	506	1.78
4	284	2.37
5	182	2.96

Optic Flood 3000K

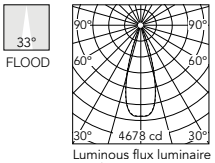
E I Non Dimmable
03.9255.40A
03.9255.14A
Dali Version
03.9255.40BDA
03.9255.14BDA
Mains Dimming
03.9255.40ANI
03.9255.14ANI
Casambi
03.9255.40ACB
03.9255.14ACB
Non Dimmable
03.9256.40A
03.9256.14A
Dali Version
03.9256.40BDA
03.9256.14BDA
Mains Dimming
03.9256.40ANI
03.9256.14ANI
Casambi
03.9256.40ACB
03.9256.14ACB
Non Dimmable
05.1265.40A
05.1265.14A
Dali Version
05.1265.40BDA
05.1265.14BDA
Mains Dimming
05.1265.40ANI
05.1265.14ANI
Casambi
05.1265.40ACB
05.1265.14ACB
Non Dimmable
05.1266.40A
05.1266.14A
Dali Version
05.1266.40BDA
05.1266.14BDA
Mains Dimming
05.1266.40ANI
05.1266.14ANI
Casambi
05.1266.40ACB
05.1266.14ACB
Non Dimmable
05.1267.40A
05.1267.14A
Dali Version
05.1267.40BDA
05.1267.14BDA
Mains Dimming
05.1267.40ANI
05.1267.14ANI
Casambi
05.1267.40ACB
05.1267.14ACB



Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96



Luminous flux luminaire
1499 lm (EXTREME CUT OFF)

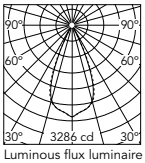
@White (40) 750mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	4673	0.59
2	1168	1.18
3	519	1.78
4	292	2.37
5	187	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8366.40A
03.8366.14A
Dali Version
03.8366.40BDA
03.8366.14BDA
Mains Dimming
03.8366.40ANI
03.8366.14ANI
Casambi
03.8366.40ACB
03.8366.14ACB
Non Dimmable
03.8367.40A
03.8367.14A
Dali Version
03.8367.40BDA
03.8367.14BDA
Mains Dimming
03.8367.40ANI
03.8367.14ANI
Casambi
03.8367.40ACB
03.8367.14ACB
Non Dimmable
05.1270.40A
05.1270.14A
Dali Version
05.1270.40BDA
05.1270.14BDA
Mains Dimming
05.1270.40ANI
05.1270.14ANI
Casambi
05.1270.40ACB
05.1270.14ACB
Non Dimmable
05.1271.40A
05.1271.14A
Dali Version
05.1271.40BDA
05.1271.14BDA
Mains Dimming
05.1271.40ANI
05.1271.14ANI
Casambi
05.1271.40ACB
05.1271.14ACB
Non Dimmable
05.1272.40A
05.1272.14A
Dali Version
05.1272.40BDA
05.1272.14BDA
Mains Dimming
05.1272.40ANI
05.1272.14ANI
Casambi
05.1272.40ACB
05.1272.14ACB

45° WIDE FLOOD

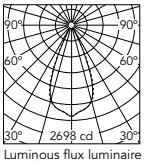


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	3286 0.83
2	822 1.67
3	365 2.50
4	205 3.34
5	131 4.17

45° WIDE FLOOD



Luminous flux luminaire
1448 lm (EXTREME CUT OFF)

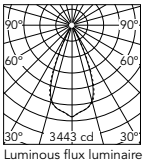
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	2698 0.83
2	675 1.67
3	300 2.50
4	169 3.34
5	108 4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8370.40A
03.8370.14A
Dali Version
03.8370.40BDA
03.8370.14BDA
Mains Dimming
03.8370.40ANI
03.8370.14ANI
Casambi
03.8370.40ACB
03.8370.14ACB
Non Dimmable
03.8371.40A
03.8371.14A
Dali Version
03.8371.40BDA
03.8371.14BDA
Mains Dimming
03.8371.40ANI
03.8371.14ANI
Casambi
03.8371.40ACB
03.8371.14ACB
Non Dimmable
05.1275.40A
05.1275.14A
Dali Version
05.1275.40BDA
05.1275.14BDA
Mains Dimming
05.1275.40ANI
05.1275.14ANI
Casambi
05.1275.40ACB
05.1275.14ACB
Non Dimmable
05.1276.40A
05.1276.14A
Dali Version
05.1276.40BDA
05.1276.14BDA
Mains Dimming
05.1276.40ANI
05.1276.14ANI
Casambi
05.1276.40ACB
05.1276.14ACB
Non Dimmable
05.1277.40A
05.1277.14A
Dali Version
05.1277.40BDA
05.1277.14BDA
Mains Dimming
05.1277.40ANI
05.1277.14ANI
Casambi
05.1277.40ACB
05.1277.14ACB

45° WIDE FLOOD

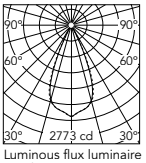


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	3443 0.83
2	861 1.67
3	383 2.50
4	215 3.34
5	138 4.17

45° WIDE FLOOD



Luminous flux luminaire
1488 lm (EXTREME CUT OFF)

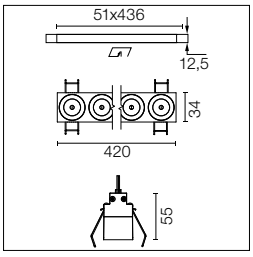
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	2773 0.83
2	693 1.67
3	308 2.50
4	173 3.34
5	111 4.17

*Multipack erhältlich (12 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.8828.40A - M3.8828.40A
*Multipack available (12 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

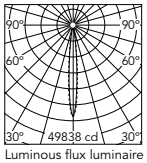
E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8876.40A
03.8876.14A
Dali & Push Version
03.8876.40BDA
03.8876.14BDA
Mains Dimming
03.8876.40ANI
03.8876.14ANI
Casambi
03.8876.40ACB
03.8876.14ACB
Non Dimmable
03.8877.40A
03.8877.14A
Dali & Push Version
03.8877.40BDA
03.8877.14BDA
Mains Dimming
03.8877.40ANI
03.8877.14ANI
Casambi
03.8877.40ACB
03.8877.14ACB
Non Dimmable
05.1340.40A
05.1340.14A
Dali & Push Version
05.1340.40BDA
05.1340.14BDA
Mains Dimming
05.1340.40ANI
05.1340.14ANI
Casambi
05.1340.40ACB
05.1340.14ACB
Non Dimmable
05.1341.40A
05.1341.14A
Dali & Push Version
05.1341.40BDA
05.1341.14BDA
Mains Dimming
05.1341.40ANI
05.1341.14ANI
Casambi
05.1341.40ACB
05.1341.14ACB
Non Dimmable
05.1342.40A
05.1342.14A
Dali & Push Version
05.1342.40BDA
05.1342.14BDA
Mains Dimming
05.1342.40ANI
05.1342.14ANI
Casambi
05.1342.40ACB
05.1342.14ACB

10° SPOT

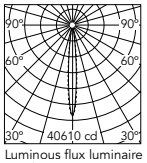


Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2220 lm (EXTREME CUT OFF)

@White (40) 750mA

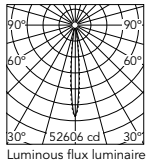
Beam Angle:		10°
h(m)	E(lx)	D(m)
1	40610	0.17
2	10153	0.35
3	4512	0.52
4	2538	0.70
5	1624	0.87

Optic Spot 3000K

E I

Non Dimmable
03.8880.40A
03.8880.14A
Dali & Push Version
03.8880.40BDA
03.8880.14BDA
Mains Dimming
03.8880.40ANI
03.8880.14ANI
Casambi
03.8880.40ACB
03.8880.14ACB
Non Dimmable
03.8881.40A
03.8881.14A
Dali & Push Version
03.8881.40BDA
03.8881.14BDA
Mains Dimming
03.8881.40ANI
03.8881.14ANI
Casambi
03.8881.40ACB
03.8881.14ACB
Non Dimmable
05.1345.40A
05.1345.14A
Dali & Push Version
05.1345.40BDA
05.1345.14BDA
Mains Dimming
05.1345.40ANI
05.1345.14ANI
Casambi
05.1345.40ACB
05.1345.14ACB
Non Dimmable
05.1346.40A
05.1346.14A
Dali & Push Version
05.1346.40BDA
05.1346.14BDA
Mains Dimming
05.1346.40ANI
05.1346.14ANI
Casambi
05.1346.40ACB
05.1346.14ACB
Non Dimmable
05.1347.40A
05.1347.14A
Dali & Push Version
05.1347.40BDA
05.1347.14BDA
Mains Dimming
05.1347.40ANI
05.1347.14ANI
Casambi
05.1347.40ACB
05.1347.14ACB

10° SPOT

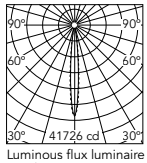


Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2281 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	41726	0.17
2	10431	0.35
3	4636	0.52
4	2608	0.70
5	1669	0.87

Optic Medium 2700K

E I Non Dimmable

03.9260.40A
03.9260.14A

Dali & Push Version

03.9260.40BDA
03.9260.14BDA

Mains Dimming

03.9260.40ANI
03.9260.14ANI

Casambi

03.9260.40ACB
03.9260.14ACB

Non Dimmable

03.9261.40A
03.9261.14A

Dali & Push Version

03.9261.40BDA
03.9261.14BDA

Mains Dimming

03.9261.40ANI
03.9261.14ANI

Casambi

03.9261.40ACB
03.9261.14ACB

Non Dimmable

05.1350.40A
05.1350.14A

Dali & Push Version

05.1350.40BDA
05.1350.14BDA

Mains Dimming

05.1350.40ANI
05.1350.14ANI

Casambi

05.1350.40ACB
05.1350.14ACB

Non Dimmable

05.1351.40A
05.1351.14A

Dali & Push Version

05.1351.40BDA
05.1351.14BDA

Mains Dimming

05.1351.40ANI
05.1351.14ANI

Casambi

05.1351.40ACB
05.1351.14ACB

Non Dimmable

05.1352.40A
05.1352.14A

Dali & Push Version

05.1352.40BDA
05.1352.14BDA

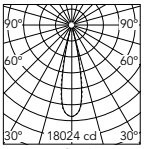
Mains Dimming

05.1352.40ANI
05.1352.14ANI

Casambi

05.1352.40ACB
05.1352.14ACB

22°
MEDIUM



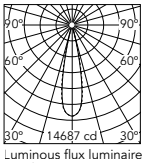
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2197 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14687	0.39
2	3672	0.78
3	1632	1.17
4	918	1.56
5	587	1.95

Optic Medium 3000K

E I Non Dimmable

03.9270.40A
03.9270.14A

Dali & Push Version

03.9270.40BDA
03.9270.14BDA

Mains Dimming

03.9270.40ANI
03.9270.14ANI

Casambi

03.9270.40ACB
03.9270.14ACB

Non Dimmable

03.9271.40A
03.9271.14A

Dali & Push Version

03.9271.40BDA
03.9271.14BDA

Mains Dimming

03.9271.40ANI
03.9271.14ANI

Casambi

03.9271.40ACB
03.9271.14ACB

Non Dimmable

05.1355.40A
05.1355.14A

Dali & Push Version

05.1355.40BDA
05.1355.14BDA

Mains Dimming

05.1355.40ANI
05.1355.14ANI

Casambi

05.1355.40ACB
05.1355.14ACB

Non Dimmable

05.1356.40A
05.1356.14A

Dali & Push Version

05.1356.40BDA
05.1356.14BDA

Mains Dimming

05.1356.40ANI
05.1356.14ANI

Casambi

05.1356.40ACB
05.1356.14ACB

Non Dimmable

05.1357.40A
05.1357.14A

Dali & Push Version

05.1357.40BDA
05.1357.14BDA

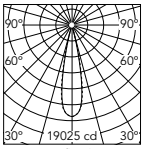
Mains Dimming

05.1357.40ANI
05.1357.14ANI

Casambi

05.1357.40ACB
05.1357.14ACB

22°
MEDIUM



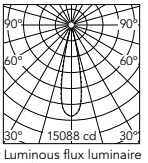
Luminous flux luminaire
2846 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	19025	0.39
2	4756	0.78
3	2114	1.17
4	1189	1.56
5	761	1.95

22°
MEDIUM



Luminous flux luminaire
2257 lm (EXTREME CUT OFF)

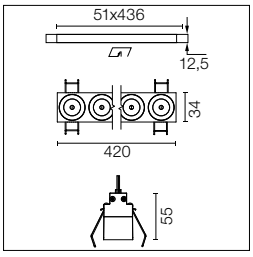
@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	15088	0.39
2	3772	0.78
3	1676	1.17
4	943	1.56
5	604	1.95

Light Shadow Fixed No Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

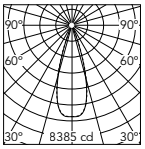
Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9265.40A
03.9265.14A
Dali & Push Version
03.9265.40BDA
03.9265.14BDA
Mains Dimming
03.9265.40ANI
03.9265.14ANI
Casambi
03.9265.40ACB
03.9265.14ACB
Non Dimmable
03.9266.40A
03.9266.14A
Dali & Push Version
03.9266.40BDA
03.9266.14BDA
Mains Dimming
03.9266.40ANI
03.9266.14ANI
Casambi
03.9266.40ACB
03.9266.14ACB
Non Dimmable
05.1360.40A
05.1360.14A
Dali & Push Version
05.1360.40BDA
05.1360.14BDA
Mains Dimming
05.1360.40ANI
05.1360.14ANI
Casambi
05.1360.40ACB
05.1360.14ACB
Non Dimmable
05.1361.40A
05.1361.14A
Dali & Push Version
05.1361.40BDA
05.1361.14BDA
Mains Dimming
05.1361.40ANI
05.1361.14ANI
Casambi
05.1361.40ACB
05.1361.14ACB
Non Dimmable
05.1362.40A
05.1362.14A
Dali & Push Version
05.1362.40BDA
05.1362.14BDA
Mains Dimming
05.1362.40ANI
05.1362.14ANI
Casambi
05.1362.40ACB
05.1362.14ACB

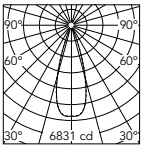
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

33° FLOOD



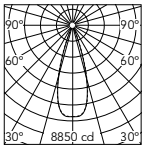
Luminous flux luminaire
2189 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	6824	0.59
2	1706	1.18
3	758	1.78
4	427	2.37
5	273	2.96

Optic Flood 3000K

E I Non Dimmable
03.9275.40A
03.9275.14A
Dali & Push Version
03.9275.40BDA
03.9275.14BDA
Mains Dimming
03.9275.40ANI
03.9275.14ANI
Casambi
03.9275.40ACB
03.9275.14ACB
Non Dimmable
03.9276.40A
03.9276.14A
Dali & Push Version
03.9276.40BDA
03.9276.14BDA
Mains Dimming
03.9276.40ANI
03.9276.14ANI
Casambi
03.9276.40ACB
03.9276.14ACB
Non Dimmable
05.1365.40A
05.1365.14A
Dali & Push Version
05.1365.40BDA
05.1365.14BDA
Mains Dimming
05.1365.40ANI
05.1365.14ANI
Casambi
05.1365.40ACB
05.1365.14ACB
Non Dimmable
05.1366.40A
05.1366.14A
Dali & Push Version
05.1366.40BDA
05.1366.14BDA
Mains Dimming
05.1366.40ANI
05.1366.14ANI
Casambi
05.1366.40ACB
05.1366.14ACB
Non Dimmable
05.1367.40A
05.1367.14A
Dali & Push Version
05.1367.40BDA
05.1367.14BDA
Mains Dimming
05.1367.40ANI
05.1367.14ANI
Casambi
05.1367.40ACB
05.1367.14ACB

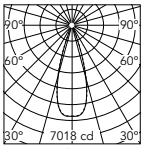
33° FLOOD



Luminous flux luminaire
2836 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	8841	0.59
2	2210	1.18
3	982	1.78
4	553	2.37
5	354	2.96

33° FLOOD



Luminous flux luminaire
2249 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	7011	0.59
2	1753	1.18
3	779	1.78
4	438	2.37
5	280	2.96

Optic Wide Flood 2700K

E I Non Dimmable

03.8374.40A
03.8374.14A

Dali & Push Version

03.8374.40BDA
03.8374.14BDA

Mains Dimming

03.8374.40ANI
03.8374.14ANI

Casambi

03.8374.40ACB
03.8374.14ACB

Non Dimmable

03.8375.40A
03.8375.14A

Dali & Push Version

03.8375.40BDA
03.8375.14BDA

Mains Dimming

03.8375.40ANI
03.8375.14ANI

Casambi

03.8375.40ACB
03.8375.14ACB

Non Dimmable

05.1370.40A
05.1370.14A

Dali & Push Version

05.1370.40BDA
05.1370.14BDA

Mains Dimming

05.1370.40ANI
05.1370.14ANI

Casambi

05.1370.40ACB
05.1370.14ACB

Non Dimmable

05.1371.40A
05.1371.14A

Dali & Push Version

05.1371.40BDA
05.1371.14BDA

Mains Dimming

05.1371.40ANI
05.1371.14ANI

Casambi

05.1371.40ACB
05.1371.14ACB

Non Dimmable

05.1372.40A
05.1372.14A

Dali & Push Version

05.1372.40BDA
05.1372.14BDA

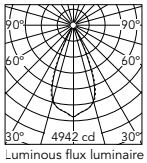
Mains Dimming

05.1372.40ANI
05.1372.14ANI

Casambi

05.1372.40ACB
05.1372.14ACB

45° WIDE FLOOD

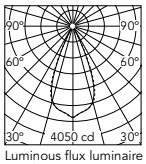


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

45° WIDE FLOOD



Luminous flux luminaire
2173 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	4050	0.83
2	1012	1.67
3	450	2.50
4	253	3.34
5	162	4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.8378.40A
03.8378.14A

Dali & Push Version

03.8378.40BDA
03.8378.14BDA

Mains Dimming

03.8378.40ANI
03.8378.14ANI

Casambi

03.8378.40ACB
03.8378.14ACB

Non Dimmable

03.8379.40A
03.8379.14A

Dali & Push Version

03.8379.40BDA
03.8379.14BDA

Mains Dimming

03.8379.40ANI
03.8379.14ANI

Casambi

03.8379.40ACB
03.8379.14ACB

Non Dimmable

05.1375.40A
05.1375.14A

Dali & Push Version

05.1375.40BDA
05.1375.14BDA

Mains Dimming

05.1375.40ANI
05.1375.14ANI

Casambi

05.1375.40ACB
05.1375.14ACB

Non Dimmable

05.1376.40A
05.1376.14A

Dali & Push Version

05.1376.40BDA
05.1376.14BDA

Mains Dimming

05.1376.40ANI
05.1376.14ANI

Casambi

05.1376.40ACB
05.1376.14ACB

Non Dimmable

05.1377.40A
05.1377.14A

Dali & Push Version

05.1377.40BDA
05.1377.14BDA

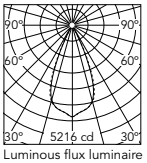
Mains Dimming

05.1377.40ANI
05.1377.14ANI

Casambi

05.1377.40ACB
05.1377.14ACB

45° WIDE FLOOD

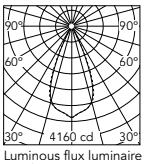


Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	5216	0.83
2	1304	1.67
3	580	2.50
4	326	3.34
5	209	4.17

45° WIDE FLOOD



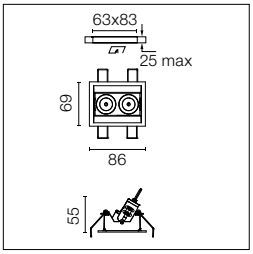
Luminous flux luminaire
2232 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	4160	0.83
2	1040	1.67
3	462	2.50
4	260	3.34
5	166	4.17

Light Shadow Adjustable Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

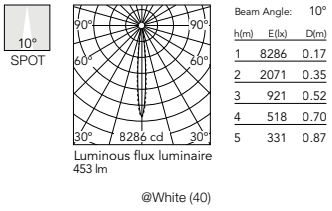
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8884.40A
03.8884.14A
Dali Version
03.8884.40BDA
03.8884.14BDA
Mains Dimming
03.8884.40ANI
03.8884.14ANI
Casambi
03.8884.40ACB
03.8884.14ACB
Non Dimmable
03.8885.40A
03.8885.14A
Dali Version
03.8885.40BDA
03.8885.14BDA
Mains Dimming
03.8885.40ANI
03.8885.14ANI
Casambi
03.8885.40ACB
03.8885.14ACB
Non Dimmable
05.1400.40A
05.1400.14A
Dali Version
05.1400.40BDA
05.1400.14BDA
Mains Dimming
05.1400.40ANI
05.1400.14ANI
Casambi
05.1400.40ACB
05.1400.14ACB
Non Dimmable
05.1401.40A
05.1401.14A
Dali Version
05.1401.40BDA
05.1401.14BDA
Mains Dimming
05.1401.40ANI
05.1401.14ANI
Casambi
05.1401.40ACB
05.1401.14ACB
Non Dimmable
05.1402.40A
05.1402.14A
Dali Version
05.1402.40BDA
05.1402.14BDA
Mains Dimming
05.1402.40ANI
05.1402.14ANI
Casambi
05.1402.40ACB
05.1402.14ACB



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8286	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

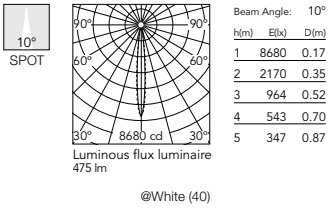
Luminous flux luminaire
453 lm

@White (40)

Optic Spot 3000K

E I

Non Dimmable
03.8888.40A
03.8888.14A
Dali Version
03.8888.40BDA
03.8888.14BDA
Mains Dimming
03.8888.40ANI
03.8888.14ANI
Casambi
03.8888.40ACB
03.8888.14ACB
Non Dimmable
03.8889.40A
03.8889.14A
Dali Version
03.8889.40BDA
03.8889.14BDA
Mains Dimming
03.8889.40ANI
03.8889.14ANI
Casambi
03.8889.40ACB
03.8889.14ACB
Non Dimmable
05.1405.40A
05.1405.14A
Dali Version
05.1405.40BDA
05.1405.14BDA
Mains Dimming
05.1405.40ANI
05.1405.14ANI
Casambi
05.1405.40ACB
05.1405.14ACB
Non Dimmable
05.1406.40A
05.1406.14A
Dali Version
05.1406.40BDA
05.1406.14BDA
Mains Dimming
05.1406.40ANI
05.1406.14ANI
Casambi
05.1406.40ACB
05.1406.14ACB
Non Dimmable
05.1407.40A
05.1407.14A
Dali Version
05.1407.40BDA
05.1407.14BDA
Mains Dimming
05.1407.40ANI
05.1407.14ANI
Casambi
05.1407.40ACB
05.1407.14ACB



Beam Angle: 10°

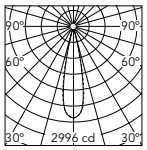
h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	543	0.70
5	347	0.87

Luminous flux luminaire
475 lm

@White (40)

Optic Medium 2700K

E I Non Dimmable
03.9300.40A
03.9300.14A
Dali Version
03.9300.40BDA
03.9300.14BDA
E I Mains Dimming
03.9300.40ANI
03.9300.14ANI
Casambi
03.9300.40ACB
03.9300.14ACB
Non Dimmable
03.9301.40A
03.9301.14A
Dali Version
03.9301.40BDA
03.9301.14BDA
Mains Dimming
03.9301.40ANI
03.9301.14ANI
Casambi
03.9301.40ACB
03.9301.14ACB
Non Dimmable
05.1410.40A
05.1410.14A
Dali Version
05.1410.40BDA
05.1410.14BDA
Mains Dimming
05.1410.40ANI
05.1410.14ANI
Casambi
05.1410.40ACB
05.1410.14ACB
Non Dimmable
05.1411.40A
05.1411.14A
Dali Version
05.1411.40BDA
05.1411.14BDA
Mains Dimming
05.1411.40ANI
05.1411.14ANI
Casambi
05.1411.40ACB
05.1411.14ACB
Non Dimmable
05.1412.40A
05.1412.14A
Dali Version
05.1412.40BDA
05.1412.14BDA
Mains Dimming
05.1412.40ANI
05.1412.14ANI
Casambi
05.1412.40ACB
05.1412.14ACB



Luminous flux luminaire
448 lm

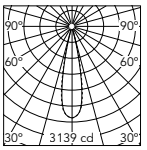
@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

Optic Medium 3000K

E I Non Dimmable
03.9310.40A
03.9310.14A
Dali Version
03.9310.40BDA
03.9310.14BDA
Mains Dimming
03.9310.40ANI
03.9310.14ANI
Casambi
03.9310.40ACB
03.9310.14ACB
Non Dimmable
03.9311.40A
03.9311.14A
Dali Version
03.9311.40BDA
03.9311.14BDA
Mains Dimming
03.9311.40ANI
03.9311.14ANI
Casambi
03.9311.40ACB
03.9311.14ACB
Non Dimmable
05.1415.40A
05.1415.14A
Dali Version
05.1415.40BDA
05.1415.14BDA
Mains Dimming
05.1415.40ANI
05.1415.14ANI
Casambi
05.1415.40ACB
05.1415.14ACB
Non Dimmable
05.1416.40A
05.1416.14A
Dali Version
05.1416.40BDA
05.1416.14BDA
Mains Dimming
05.1416.40ANI
05.1416.14ANI
Casambi
05.1416.40ACB
05.1416.14ACB
Non Dimmable
05.1417.40A
05.1417.14A
Dali Version
05.1417.40BDA
05.1417.14BDA
Mains Dimming
05.1417.40ANI
05.1417.14ANI
Casambi
05.1417.40ACB
05.1417.14ACB



Luminous flux luminaire
470 lm

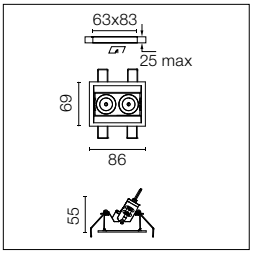
@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Adjustable Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

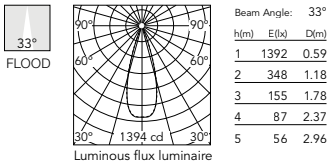
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

Non Dimmable
03.9305.40A
03.9305.14A
Dali Version
03.9305.40BDA
03.9305.14BDA
Mains Dimming
03.9305.40ANI
03.9305.14ANI
Casambi
03.9305.40ACB
03.9305.14ACB
Non Dimmable
03.9306.40A
03.9306.14A
Dali Version
03.9306.40BDA
03.9306.14BDA
Mains Dimming
03.9306.40ANI
03.9306.14ANI
Casambi
03.9306.40ACB
03.9306.14ACB
Non Dimmable
05.1420.40A
05.1420.14A
Dali Version
05.1420.40BDA
05.1420.14BDA
Mains Dimming
05.1420.40ANI
05.1420.14ANI
Casambi
05.1420.40ACB
05.1420.14ACB
Non Dimmable
05.1421.40A
05.1421.14A
Dali Version
05.1421.40BDA
05.1421.14BDA
Mains Dimming
05.1421.40ANI
05.1421.14ANI
Casambi
05.1421.40ACB
05.1421.14ACB
Non Dimmable
05.1422.40A
05.1422.14A
Dali Version
05.1422.40BDA
05.1422.14BDA
Mains Dimming
05.1422.40ANI
05.1422.14ANI
Casambi
05.1422.40ACB
05.1422.14ACB



Luminous flux luminaire
447 lm

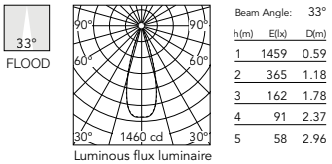
@White (40)

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

Optic Flood 3000K

E I

Non Dimmable
03.9315.40A
03.9315.14A
Dali Version
03.9315.40BDA
03.9315.14BDA
Mains Dimming
03.9315.40ANI
03.9315.14ANI
Casambi
03.9315.40ACB
03.9315.14ACB
Non Dimmable
03.9316.40A
03.9316.14A
Dali Version
03.9316.40BDA
03.9316.14BDA
Mains Dimming
03.9316.40ANI
03.9316.14ANI
Casambi
03.9316.40ACB
03.9316.14ACB
Non Dimmable
05.1425.40A
05.1425.14A
Dali Version
05.1425.40BDA
05.1425.14BDA
Mains Dimming
05.1425.40ANI
05.1425.14ANI
Casambi
05.1425.40ACB
05.1425.14ACB
Non Dimmable
05.1426.40A
05.1426.14A
Dali Version
05.1426.40BDA
05.1426.14BDA
Mains Dimming
05.1426.40ANI
05.1426.14ANI
Casambi
05.1426.40ACB
05.1426.14ACB
Non Dimmable
05.1427.40A
05.1427.14A
Dali Version
05.1427.40BDA
05.1427.14BDA
Mains Dimming
05.1427.40ANI
05.1427.14ANI
Casambi
05.1427.40ACB
05.1427.14ACB



Luminous flux luminaire
468 lm

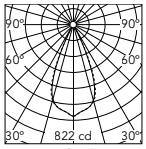
@White (40)

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

Optic Wide Flood
2700K

E I Non Dimmable
03.7300.40A
03.7300.14A
Dali Version
03.7300.40BDA
03.7300.14BDA
Mains Dimming
03.7300.40ANI
03.7300.14ANI
Casambi
03.7300.40ACB
03.7300.14ACB
Non Dimmable
03.7301.40A
03.7301.14A
Dali Version
03.7301.40BDA
03.7301.14BDA
Mains Dimming
03.7301.40ANI
03.7301.14ANI
Casambi
03.7301.40ACB
03.7301.14ACB
Non Dimmable
05.1430.40A
05.1430.14A
Dali Version
05.1430.40BDA
05.1430.14BDA
Mains Dimming
05.1430.40ANI
05.1430.14ANI
Casambi
05.1430.40ACB
05.1430.14ACB
Non Dimmable
05.1431.40A
05.1431.14A
Dali Version
05.1431.40BDA
05.1431.14BDA
Mains Dimming
05.1431.40ANI
05.1431.14ANI
Casambi
05.1431.40ACB
05.1431.14ACB
Non Dimmable
05.1432.40A
05.1432.14A
Dali Version
05.1432.40BDA
05.1432.14BDA
Mains Dimming
05.1432.40ANI
05.1432.14ANI
Casambi
05.1432.40ACB
05.1432.14ACB

WIDE FLOOD



Luminous flux luminaire
441 lm

Beam Angle: 45°

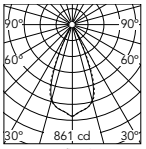
h(m)	E(lx)	D(m)
1	822	0.83
2	205	1.67
3	91	2.50
4	51	3.34
5	33	4.17

@White (40)

Optic Wide Flood
3000K

E I Non Dimmable
03.7304.40A
03.7304.14A
Dali Version
03.7304.40BDA
03.7304.14BDA
Mains Dimming
03.7304.40ANI
03.7304.14ANI
Casambi
03.7304.40ACB
03.7304.14ACB
Non Dimmable
03.7305.40A
03.7305.14A
Dali Version
03.7305.40BDA
03.7305.14BDA
Mains Dimming
03.7305.40ANI
03.7305.14ANI
Casambi
03.7305.40ACB
03.7305.14ACB
Non Dimmable
05.1435.40A
05.1435.14A
Dali Version
05.1435.40BDA
05.1435.14BDA
Mains Dimming
05.1435.40ANI
05.1435.14ANI
Casambi
05.1435.40ACB
05.1435.14ACB
Non Dimmable
05.1436.40A
05.1436.14A
Dali Version
05.1436.40BDA
05.1436.14BDA
Mains Dimming
05.1436.40ANI
05.1436.14ANI
Casambi
05.1436.40ACB
05.1436.14ACB
Non Dimmable
05.1437.40A
05.1437.14A
Dali Version
05.1437.40BDA
05.1437.14BDA
Mains Dimming
05.1437.40ANI
05.1437.14ANI
Casambi
05.1437.40ACB
05.1437.14ACB

WIDE FLOOD



Luminous flux luminaire
462 lm

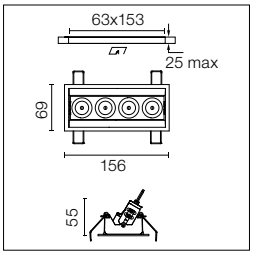
Beam Angle: 45°

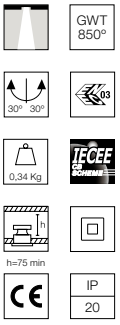
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

@White (40)

Light Shadow Adjustable Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

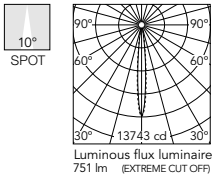
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8892.40A
03.8892.14A
Dali Version
03.8892.40BDA
03.8892.14BDA
Mains Dimming
03.8892.40ANI
03.8892.14ANI
Casambi
03.8892.40ACB
03.8892.14ACB
Non Dimmable
03.8893.40A
03.8893.14A
Dali Version
03.8893.40BDA
03.8893.14BDA
Mains Dimming
03.8893.40ANI
03.8893.14ANI
Casambi
03.8893.40ACB
03.8893.14ACB
Non Dimmable
05.1500.40A
05.1500.14A
Dali Version
05.1500.40BDA
05.1500.14BDA
Mains Dimming
05.1500.40ANI
05.1500.14ANI
Casambi
05.1500.40ACB
05.1500.14ACB
Non Dimmable
05.1501.40A
05.1501.14A
Dali Version
05.1501.40BDA
05.1501.14BDA
Mains Dimming
05.1501.40ANI
05.1501.14ANI
Casambi
05.1501.40ACB
05.1501.14ACB
Non Dimmable
05.1502.40A
05.1502.14A
Dali Version
05.1502.40BDA
05.1502.14BDA
Mains Dimming
05.1502.40ANI
05.1502.14ANI
Casambi
05.1502.40ACB
05.1502.14ACB



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

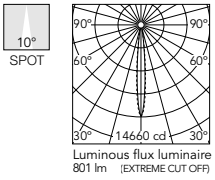
@White (40)

Beam Angle:	10°
h(m)	E(lx) D(m)
1	13743 0.17
2	3436 0.35
3	1527 0.52
4	859 0.70
5	550 0.87

Optic Spot 3000K

E I

Non Dimmable
03.8896.40A
03.8896.14A
Dali Version
03.8896.40BDA
03.8896.14BDA
Mains Dimming
03.8896.40ANI
03.8896.14ANI
Casambi
03.8896.40ACB
03.8896.14ACB
Non Dimmable
03.8897.40A
03.8897.14A
Dali Version
03.8897.40BDA
03.8897.14BDA
Mains Dimming
03.8897.40ANI
03.8897.14ANI
Casambi
03.8897.40ACB
03.8897.14ACB
Non Dimmable
05.1505.40A
05.1505.14A
Dali Version
05.1505.40BDA
05.1505.14BDA
Mains Dimming
05.1505.40ANI
05.1505.14ANI
Casambi
05.1505.40ACB
05.1505.14ACB
Non Dimmable
05.1506.40A
05.1506.14A
Dali Version
05.1506.40BDA
05.1506.14BDA
Mains Dimming
05.1506.40ANI
05.1506.14ANI
Casambi
05.1506.40ACB
05.1506.14ACB
Non Dimmable
05.1507.40A
05.1507.14A
Dali Version
05.1507.40BDA
05.1507.14BDA
Mains Dimming
05.1507.40ANI
05.1507.14ANI
Casambi
05.1507.40ACB
05.1507.14ACB



Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°
h(m)	E(lx) D(m)
1	14660 0.17
2	3665 0.35
3	1629 0.52
4	916 0.70
5	586 0.87

Optic Medium 2700K

E I

Non Dimmable
03.9320.40A
03.9320.14A

Dali Version
03.9320.40BDA
03.9320.14BDA

Mains Dimming
03.9320.40ANI
03.9320.14ANI

Casambi
03.9320.40ACB
03.9320.14ACB

Non Dimmable
03.9321.40A
03.9321.14A

Dali Version
03.9321.40BDA
03.9321.14BDA

Mains Dimming
03.9321.40ANI
03.9321.14ANI

Casambi
03.9321.40ACB
03.9321.14ACB

Non Dimmable
05.1510.40A
05.1510.14A

Dali Version
05.1510.40BDA
05.1510.14BDA

Mains Dimming
05.1510.40ANI
05.1510.14ANI

Casambi
05.1510.40ACB
05.1510.14ACB

Non Dimmable
05.1511.40A
05.1511.14A

Dali Version
05.1511.40BDA
05.1511.14BDA

Mains Dimming
05.1511.40ANI
05.1511.14ANI

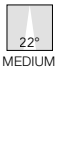
Casambi
05.1511.40ACB
05.1511.14ACB

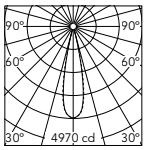
Non Dimmable
05.1512.40A
05.1512.14A

Dali Version
05.1512.40BDA
05.1512.14BDA

Mains Dimming
05.1512.40ANI
05.1512.14ANI

Casambi
05.1512.40ACB
05.1512.14ACB





Luminous flux luminaire
744 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I

Non Dimmable
03.9330.40A
03.9330.14A

Dali Version
03.9330.40BDA
03.9330.14BDA

Mains Dimming
03.9330.40ANI
03.9330.14ANI

Casambi
03.9330.40ACB
03.9330.14ACB

Non Dimmable
03.9331.40A
03.9331.14A

Dali Version
03.9331.40BDA
03.9331.14BDA

Mains Dimming
03.9331.40ANI
03.9331.14ANI

Casambi
03.9331.40ACB
03.9331.14ACB

Non Dimmable
05.1515.40A
05.1515.14A

Dali Version
05.1515.40BDA
05.1515.14BDA

Mains Dimming
05.1515.40ANI
05.1515.14ANI

Casambi
05.1515.40ACB
05.1515.14ACB

Non Dimmable
05.1516.40A
05.1516.14A

Dali Version
05.1516.40BDA
05.1516.14BDA

Mains Dimming
05.1516.40ANI
05.1516.14ANI

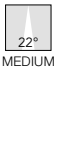
Casambi
05.1516.40ACB
05.1516.14ACB

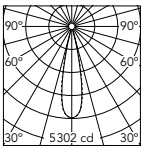
Non Dimmable
05.1517.40A
05.1517.14A

Dali Version
05.1517.40BDA
05.1517.14BDA

Mains Dimming
05.1517.40ANI
05.1517.14ANI

Casambi
05.1517.40ACB
05.1517.14ACB





Luminous flux luminaire
793 lm (EXTREME CUT OFF)

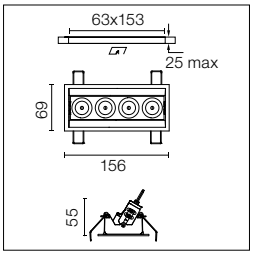
@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Light Shadow Adjustable Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

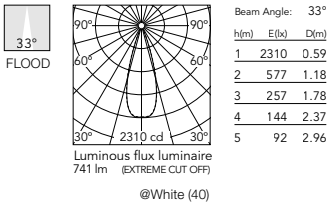
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

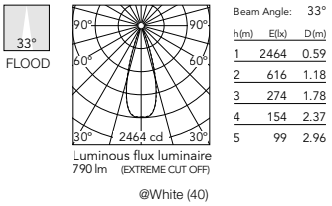
Non Dimmable
03.9325.40A
03.9325.14A
Dali Version
03.9325.40BDA
03.9325.14BDA
Mains Dimming
03.9325.40ANI
03.9325.14ANI
Casambi
03.9325.40ACB
03.9325.14ACB
Non Dimmable
03.9326.40A
03.9326.14A
Dali Version
03.9326.40BDA
03.9326.14BDA
Mains Dimming
03.9326.40ANI
03.9326.14ANI
Casambi
03.9326.40ACB
03.9326.14ACB
Non Dimmable
05.1520.40A
05.1520.14A
Dali Version
05.1520.40BDA
05.1520.14BDA
Mains Dimming
05.1520.40ANI
05.1520.14ANI
Casambi
05.1520.40ACB
05.1520.14ACB
Non Dimmable
05.1521.40A
05.1521.14A
Dali Version
05.1521.40BDA
05.1521.14BDA
Mains Dimming
05.1521.40ANI
05.1521.14ANI
Casambi
05.1521.40ACB
05.1521.14ACB
Non Dimmable
05.1522.40A
05.1522.14A
Dali Version
05.1522.40BDA
05.1522.14BDA
Mains Dimming
05.1522.40ANI
05.1522.14ANI
Casambi
05.1522.40ACB
05.1522.14ACB



Optic Flood 3000K

E I

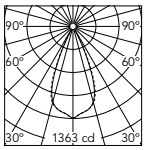
Non Dimmable
03.9335.40A
03.9335.14A
Dali Version
03.9335.40BDA
03.9335.14BDA
Mains Dimming
03.9335.40ANI
03.9335.14ANI
Casambi
03.9335.40ACB
03.9335.14ACB
Non Dimmable
03.9336.40A
03.9336.14A
Dali Version
03.9336.40BDA
03.9336.14BDA
Mains Dimming
03.9336.40ANI
03.9336.14ANI
Casambi
03.9336.40ACB
03.9336.14ACB
Non Dimmable
05.1525.40A
05.1525.14A
Dali Version
05.1525.40BDA
05.1525.14BDA
Mains Dimming
05.1525.40ANI
05.1525.14ANI
Casambi
05.1525.40ACB
05.1525.14ACB
Non Dimmable
05.1526.40A
05.1526.14A
Dali Version
05.1526.40BDA
05.1526.14BDA
Mains Dimming
05.1526.40ANI
05.1526.14ANI
Casambi
05.1526.40ACB
05.1526.14ACB
Non Dimmable
05.1527.40A
05.1527.14A
Dali Version
05.1527.40BDA
05.1527.14BDA
Mains Dimming
05.1527.40ANI
05.1527.14ANI
Casambi
05.1527.40ACB
05.1527.14ACB



Optic Wide Flood 2700K

E I Non Dimmable
03.7308.40A
03.7308.14A
Dali Version
03.7308.40BDA
03.7308.14BDA
Mains Dimming
03.7308.40ANI
03.7308.14ANI
Casambi
03.7308.40ACB
03.7308.14ACB
Non Dimmable
03.7309.40A
03.7309.14A
Dali Version
03.7309.40BDA
03.7309.14BDA
Mains Dimming
03.7309.40ANI
03.7309.14ANI
Casambi
03.7309.40ACB
03.7309.14ACB
Non Dimmable
05.1530.40A
05.1530.14A
Dali Version
05.1530.40BDA
05.1530.14BDA
Mains Dimming
05.1530.40ANI
05.1530.14ANI
Casambi
05.1530.40ACB
05.1530.14ACB
Non Dimmable
05.1531.40A
05.1531.14A
Dali Version
05.1531.40BDA
05.1531.14BDA
Mains Dimming
05.1531.40ANI
05.1531.14ANI
Casambi
05.1531.40ACB
05.1531.14ACB
Non Dimmable
05.1532.40A
05.1532.14A
Dali Version
05.1532.40BDA
05.1532.14BDA
Mains Dimming
05.1532.40ANI
05.1532.14ANI
Casambi
05.1532.40ACB
05.1532.14ACB

WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

Beam Angle: 45°

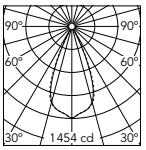
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7312.40A
03.7312.14A
Dali Version
03.7312.40BDA
03.7312.14BDA
Mains Dimming
03.7312.40ANI
03.7312.14ANI
Casambi
03.7312.40ACB
03.7312.14ACB
Non Dimmable
03.7313.40A
03.7313.14A
Dali Version
03.7313.40BDA
03.7313.14BDA
Mains Dimming
03.7313.40ANI
03.7313.14ANI
Casambi
03.7313.40ACB
03.7313.14ACB
Non Dimmable
05.1535.40A
05.1535.14A
Dali Version
05.1535.40BDA
05.1535.14BDA
Mains Dimming
05.1535.40ANI
05.1535.14ANI
Casambi
05.1535.40ACB
05.1535.14ACB
Non Dimmable
05.1536.40A
05.1536.14A
Dali Version
05.1536.40BDA
05.1536.14BDA
Mains Dimming
05.1536.40ANI
05.1536.14ANI
Casambi
05.1536.40ACB
05.1536.14ACB
Non Dimmable
05.1537.40A
05.1537.14A
Dali Version
05.1537.40BDA
05.1537.14BDA
Mains Dimming
05.1537.40ANI
05.1537.14ANI
Casambi
05.1537.40ACB
05.1537.14ACB

WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)

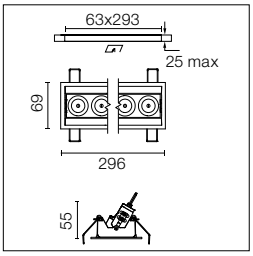
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

@White (40)

Light Shadow Adjustable Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

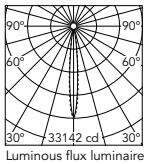
Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
03.8900.40A
03.8900.14A
Dali Version
03.8900.40BDA
03.8900.14BDA
Mains Dimming
03.8900.40ANI
03.8900.14ANI
Casambi
03.8900.40ACB
03.8900.14ACB
Non Dimmable
03.8901.40A
03.8901.14A
Dali Version
03.8901.40BDA
03.8901.14BDA
Mains Dimming
03.8901.40ANI
03.8901.14ANI
Casambi
03.8901.40ACB
03.8901.14ACB
Non Dimmable
05.1600.40A
05.1600.14A
Dali Version
05.1600.40BDA
05.1600.14BDA
Mains Dimming
05.1600.40ANI
05.1600.14ANI
Casambi
05.1600.40ACB
05.1600.14ACB
Non Dimmable
05.1601.40A
05.1601.14A
Dali Version
05.1601.40BDA
05.1601.14BDA
Mains Dimming
05.1601.40ANI
05.1601.14ANI
Casambi
05.1601.40ACB
05.1601.14ACB
Non Dimmable
05.1602.40A
05.1602.14A
Dali Version
05.1602.40BDA
05.1602.14BDA
Mains Dimming
05.1602.40ANI
05.1602.14ANI
Casambi
05.1602.40ACB
05.1602.14ACB

10° SPOT

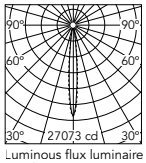


Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1480 lm (EXTREME CUT OFF)

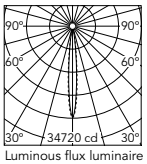
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	27073	0.17
2	6768	0.35
3	3008	0.52
4	1692	0.70
5	1083	0.87

Optic Spot 3000K

E I Non Dimmable
03.8904.40A
03.8904.14A
Dali Version
03.8904.40BDA
03.8904.14BDA
Mains Dimming
03.8904.40ANI
03.8904.14ANI
Casambi
03.8904.40ACB
03.8904.14ACB
Non Dimmable
03.8905.40A
03.8905.14A
Dali Version
03.8905.40BDA
03.8905.14BDA
Mains Dimming
03.8905.40ANI
03.8905.14ANI
Casambi
03.8905.40ACB
03.8905.14ACB
Non Dimmable
05.1605.40A
05.1605.14A
Dali Version
05.1605.40BDA
05.1605.14BDA
Mains Dimming
05.1605.40ANI
05.1605.14ANI
Casambi
05.1605.40ACB
05.1605.14ACB
Non Dimmable
05.1606.40A
05.1606.14A
Dali Version
05.1606.40BDA
05.1606.14BDA
Mains Dimming
05.1606.40ANI
05.1606.14ANI
Casambi
05.1606.40ACB
05.1606.14ACB
Non Dimmable
05.1607.40A
05.1607.14A
Dali Version
05.1607.40BDA
05.1607.14BDA
Mains Dimming
05.1607.40ANI
05.1607.14ANI
Casambi
05.1607.40ACB
05.1607.14ACB

10° SPOT

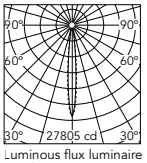


Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1520 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	27805	0.17
2	6951	0.35
3	3089	0.52
4	1738	0.70
5	1112	0.87

Optic Medium 2700K

E I Non Dimmable

03.9340.40A
03.9340.14A

Dali Version

03.9340.40BDA
03.9340.14BDA

Mains Dimming

03.9340.40ANI
03.9340.14ANI

Casambi

03.9340.40ACB
03.9340.14ACB

Non Dimmable

03.9341.40A
03.9341.14A

Dali Version

03.9341.40BDA
03.9341.14BDA

Mains Dimming

03.9341.40ANI
03.9341.14ANI

Casambi

03.9341.40ACB
03.9341.14ACB

Non Dimmable

05.1610.40A
05.1610.14A

Dali Version

05.1610.40BDA
05.1610.14BDA

Mains Dimming

05.1610.40ANI
05.1610.14ANI

Casambi

05.1610.40ACB
05.1610.14ACB

Non Dimmable

05.1611.40A
05.1611.14A

Dali Version

05.1611.40BDA
05.1611.14BDA

Mains Dimming

05.1611.40ANI
05.1611.14ANI

Casambi

05.1611.40ACB
05.1611.14ACB

Non Dimmable

05.1612.40A
05.1612.14A

Dali Version

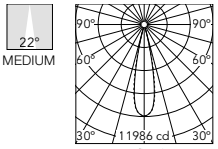
05.1612.40BDA
05.1612.14BDA

Mains Dimming

05.1612.40ANI
05.1612.14ANI

Casambi

05.1612.40ACB
05.1612.14ACB

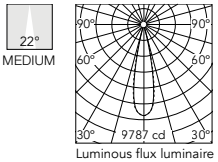


Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	11986	0.39
2	2996	0.78
3	1332	1.17
4	749	1.56
5	479	1.95



Luminous flux luminaire
1464 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9787	0.39
2	2447	0.78
3	1087	1.17
4	612	1.56
5	391	1.95

Optic Medium 3000K

E I Non Dimmable

03.9350.40A
03.9350.14A

Dali Version

03.9350.40BDA
03.9350.14BDA

Mains Dimming

03.9350.40ANI
03.9350.14ANI

Casambi

03.9350.40ACB
03.9350.14ACB

Non Dimmable

03.9351.40A
03.9351.14A

Dali Version

03.9351.40BDA
03.9351.14BDA

Mains Dimming

03.9351.40ANI
03.9351.14ANI

Casambi

03.9351.40ACB
03.9351.14ACB

Non Dimmable

05.1615.40A
05.1615.14A

Dali Version

05.1615.40BDA
05.1615.14BDA

Mains Dimming

05.1615.40ANI
05.1615.14ANI

Casambi

05.1615.40ACB
05.1615.14ACB

Non Dimmable

05.1616.40A
05.1616.14A

Dali Version

05.1616.40BDA
05.1616.14BDA

Mains Dimming

05.1616.40ANI
05.1616.14ANI

Casambi

05.1616.40ACB
05.1616.14ACB

Non Dimmable

05.1617.40A
05.1617.14A

Dali Version

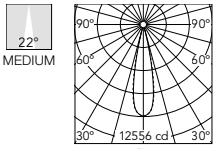
05.1617.40BDA
05.1617.14BDA

Mains Dimming

05.1617.40ANI
05.1617.14ANI

Casambi

05.1617.40ACB
05.1617.14ACB

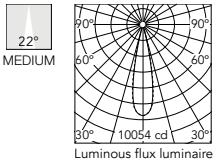


Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95



Luminous flux luminaire
1504 lm (EXTREME CUT OFF)

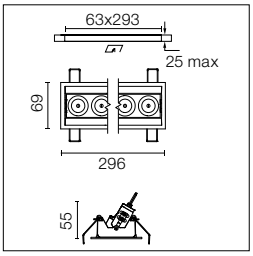
@White (40) 750mA

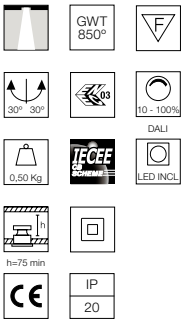
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	10054	0.39
2	2514	0.78
3	1117	1.17
4	628	1.56
5	402	1.95

Light Shadow Adjustable Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

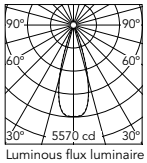
Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9345.40A
03.9345.14A
Dali Version
03.9345.40BDA
03.9345.14BDA
Mains Dimming
03.9345.40ANI
03.9345.14ANI
Casambi
03.9345.40ACB
03.9345.14ACB
Non Dimmable
03.9346.40A
03.9346.14A
Dali Version
03.9346.40BDA
03.9346.14BDA
Mains Dimming
03.9346.40ANI
03.9346.14ANI
Casambi
03.9346.40ACB
03.9346.14ACB
Non Dimmable
05.1620.40A
05.1620.14A
Dali Version
05.1620.40BDA
05.1620.14BDA
Mains Dimming
05.1620.40ANI
05.1620.14ANI
Casambi
05.1620.40ACB
05.1620.14ACB
Non Dimmable
05.1621.40A
05.1621.14A
Dali Version
05.1621.40BDA
05.1621.14BDA
Mains Dimming
05.1621.40ANI
05.1621.14ANI
Casambi
05.1621.40ACB
05.1621.14ACB
Non Dimmable
05.1622.40A
05.1622.14A
Dali Version
05.1622.40BDA
05.1622.14BDA
Mains Dimming
05.1622.40ANI
05.1622.14ANI
Casambi
05.1622.40ACB
05.1622.14ACB

33° FLOOD

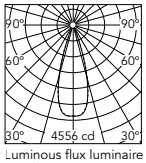


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA

33° FLOOD



Beam Angle: 33°

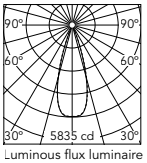
h(m)	E(lx)	D(m)
1	4551	0.59
2	1138	1.18
3	506	1.78
4	284	2.37
5	182	2.96

Luminous flux luminaire
1460 lm (EXTREME CUT OFF)
@White (40) 750mA

Optic Flood 3000K

E I Non Dimmable
03.9355.40A
03.9355.14A
Dali Version
03.9355.40BDA
03.9355.14BDA
Mains Dimming
03.9355.40ANI
03.9355.14ANI
Casambi
03.9355.40ACB
03.9355.14ACB
Non Dimmable
03.9356.40A
03.9356.14A
Dali Version
03.9356.40BDA
03.9356.14BDA
Mains Dimming
03.9356.40ANI
03.9356.14ANI
Casambi
03.9356.40ACB
03.9356.14ACB
Non Dimmable
05.1625.40A
05.1625.14A
Dali Version
05.1625.40BDA
05.1625.14BDA
Mains Dimming
05.1625.40ANI
05.1625.14ANI
Casambi
05.1625.40ACB
05.1625.14ACB
Non Dimmable
05.1626.40A
05.1626.14A
Dali Version
05.1626.40BDA
05.1626.14BDA
Mains Dimming
05.1626.40ANI
05.1626.14ANI
Casambi
05.1626.40ACB
05.1626.14ACB
Non Dimmable
05.1627.40A
05.1627.14A
Dali Version
05.1627.40BDA
05.1627.14BDA
Mains Dimming
05.1627.40ANI
05.1627.14ANI
Casambi
05.1627.40ACB
05.1627.14ACB

33° FLOOD

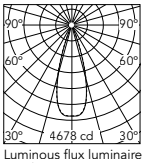


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA

33° FLOOD



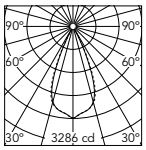
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4673	0.59
2	1168	1.18
3	519	1.78
4	292	2.37
5	187	2.96

Luminous flux luminaire
1499 lm (EXTREME CUT OFF)
@White (40) 750mA

Optic Wide Flood 2700K

E I Non Dimmable
03.7316.40A
03.7316.14A
Dali Version
03.7316.40BDA
03.7316.14BDA
Mains Dimming
03.7316.40ANI
03.7316.14ANI
Casambi
03.7316.40ACB
03.7316.14ACB
Non Dimmable
03.7317.40A
03.7317.14A
Dali Version
03.7317.40BDA
03.7317.14BDA
Mains Dimming
03.7317.40ANI
03.7317.14ANI
Casambi
03.7317.40ACB
03.7317.14ACB
Non Dimmable
05.1630.40A
05.1630.14A
Dali Version
05.1630.40BDA
05.1630.14BDA
Mains Dimming
05.1630.40ANI
05.1630.14ANI
Casambi
05.1630.40ACB
05.1630.14ACB
Non Dimmable
05.1631.40A
05.1631.14A
Dali Version
05.1631.40BDA
05.1631.14BDA
Mains Dimming
05.1631.40ANI
05.1631.14ANI
Casambi
05.1631.40ACB
05.1631.14ACB
Non Dimmable
05.1632.40A
05.1632.14A
Dali Version
05.1632.40BDA
05.1632.14BDA
Mains Dimming
05.1632.40ANI
05.1632.14ANI
Casambi
05.1632.40ACB
05.1632.14ACB

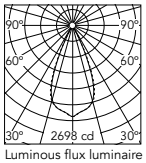


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3286	0.83
2	822	1.67
3	365	2.50
4	205	3.34
5	131	4.17

Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA



Beam Angle: 45°

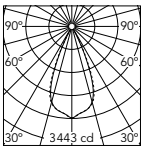
h(m)	E(lx)	D(m)
1	2698	0.83
2	675	1.67
3	300	2.50
4	169	3.34
5	108	4.17

Luminous flux luminaire
1448 lm (EXTREME CUT OFF)

@White (40) 750mA

Optic Wide Flood 3000K

E I Non Dimmable
03.7320.40A
03.7320.14A
Dali Version
03.7320.40BDA
03.7320.14BDA
Mains Dimming
03.7320.40ANI
03.7320.14ANI
Casambi
03.7320.40ACB
03.7320.14ACB
Non Dimmable
03.7321.40A
03.7321.14A
Dali Version
03.7321.40BDA
03.7321.14BDA
Mains Dimming
03.7321.40ANI
03.7321.14ANI
Casambi
03.7321.40ACB
03.7321.14ACB
Non Dimmable
05.1635.40A
05.1635.14A
Dali Version
05.1635.40BDA
05.1635.14BDA
Mains Dimming
05.1635.40ANI
05.1635.14ANI
Casambi
05.1635.40ACB
05.1635.14ACB
Non Dimmable
05.1636.40A
05.1636.14A
Dali Version
05.1636.40BDA
05.1636.14BDA
Mains Dimming
05.1636.40ANI
05.1636.14ANI
Casambi
05.1636.40ACB
05.1636.14ACB
Non Dimmable
05.1637.40A
05.1637.14A
Dali Version
05.1637.40BDA
05.1637.14BDA
Mains Dimming
05.1637.40ANI
05.1637.14ANI
Casambi
05.1637.40ACB
05.1637.14ACB

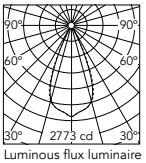


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3443	0.83
2	861	1.67
3	383	2.50
4	215	3.34
5	138	4.17

Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA



Beam Angle: 45°

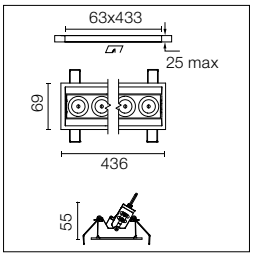
h(m)	E(lx)	D(m)
1	2773	0.83
2	693	1.67
3	308	2.50
4	173	3.34
5	111	4.17

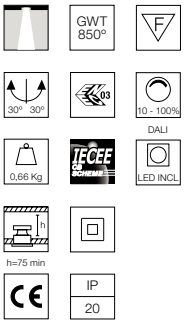
Luminous flux luminaire
1488 lm (EXTREME CUT OFF)

@White (40) 750mA

Light Shadow Adjustable Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable

03.8908.40A
03.8908.14A

Dali & Push Version

03.8908.40BDA
03.8908.14BDA

Mains Dimming

03.8908.40ANI
03.8908.14ANI

Casambi

03.8908.40ACB
03.8908.14ACB

Non Dimmable

03.8909.40A
03.8909.14A

Dali & Push Version

03.8909.40BDA
03.8909.14BDA

Mains Dimming

03.8909.40ANI
03.8909.14ANI

Casambi

03.8909.40ACB
03.8909.14ACB

Non Dimmable

05.1700.40A
05.1700.14A

Dali & Push Version

05.1700.40BDA
05.1700.14BDA

Mains Dimming

05.1700.40ANI
05.1700.14ANI

Casambi

05.1700.40ACB
05.1700.14ACB

Non Dimmable

05.1701.40A
05.1701.14A

Dali & Push Version

05.1701.40BDA
05.1701.14BDA

Mains Dimming

05.1701.40ANI
05.1701.14ANI

Casambi

05.1701.40ACB
05.1701.14ACB

Non Dimmable

05.1702.40A
05.1702.14A

Dali & Push Version

05.1702.40BDA
05.1702.14BDA

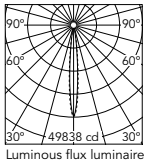
Mains Dimming

05.1702.40ANI
05.1702.14ANI

Casambi

05.1702.40ACB
05.1702.14ACB

10° SPOT



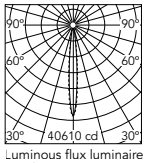
Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2220 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	40610	0.17
2	10153	0.35
3	4512	0.52
4	2538	0.70
5	1624	0.87

Optic Spot 3000K

E I Non Dimmable

03.8912.40A
03.8912.14A

Dali & Push Version

03.8912.40BDA
03.8912.14BDA

Mains Dimming

03.8912.40ANI
03.8912.14ANI

Casambi

03.8912.40ACB
03.8912.14ACB

Non Dimmable

03.8913.40A
03.8913.14A

Dali & Push Version

03.8913.40BDA
03.8913.14BDA

Mains Dimming

03.8913.40ANI
03.8913.14ANI

Casambi

03.8913.40ACB
03.8913.14ACB

Non Dimmable

05.1705.40A
05.1705.14A

Dali & Push Version

05.1705.40BDA
05.1705.14BDA

Mains Dimming

05.1705.40ANI
05.1705.14ANI

Casambi

05.1705.40ACB
05.1705.14ACB

Non Dimmable

05.1706.40A
05.1706.14A

Dali & Push Version

05.1706.40BDA
05.1706.14BDA

Mains Dimming

05.1706.40ANI
05.1706.14ANI

Casambi

05.1706.40ACB
05.1706.14ACB

Non Dimmable

05.1707.40A
05.1707.14A

Dali & Push Version

05.1707.40BDA
05.1707.14BDA

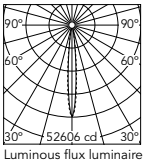
Mains Dimming

05.1707.40ANI
05.1707.14ANI

Casambi

05.1707.40ACB
05.1707.14ACB

10° SPOT



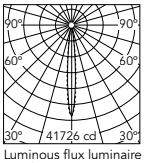
Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2281 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	41726	0.17
2	10431	0.35
3	4636	0.52
4	2608	0.70
5	1669	0.87

Optic Medium 2700K

E I Non Dimmable

03.9360.40A
03.9360.14A

Dali & Push Version

03.9360.40BDA
03.9360.14BDA

Mains Dimming

03.9360.40ANI
03.9360.14ANI

Casambi

03.9360.40ACB
03.9360.14ACB

Non Dimmable

03.9361.40A
03.9361.14A

Dali & Push Version

03.9361.40BDA
03.9361.14BDA

Mains Dimming

03.9361.40ANI
03.9361.14ANI

Casambi

03.9361.40ACB
03.9361.14ACB

Non Dimmable

05.1710.40A
05.1710.14A

Dali & Push Version

05.1710.40BDA
05.1710.14BDA

Mains Dimming

05.1710.40ANI
05.1710.14ANI

Casambi

05.1710.40ACB
05.1710.14ACB

Non Dimmable

05.1711.40A
05.1711.14A

Dali & Push Version

05.1711.40BDA
05.1711.14BDA

Mains Dimming

05.1711.40ANI
05.1711.14ANI

Casambi

05.1711.40ACB
05.1711.14ACB

Non Dimmable

05.1712.40A
05.1712.14A

Dali & Push Version

05.1712.40BDA
05.1712.14BDA

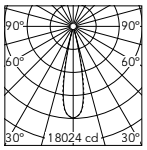
Mains Dimming

05.1712.40ANI
05.1712.14ANI

Casambi

05.1712.40ACB
05.1712.14ACB

22°
MEDIUM



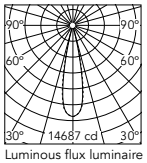
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2197 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14687	0.39
2	3672	0.78
3	1632	1.17
4	918	1.56
5	587	1.95

Optic Medium 3000K

E I Non Dimmable

03.9370.40A
03.9370.14A

Dali & Push Version

03.9370.40BDA
03.9370.14BDA

Mains Dimming

03.9370.40ANI
03.9370.14ANI

Casambi

03.9370.40ACB
03.9370.14ACB

Non Dimmable

03.9371.40A
03.9371.14A

Dali & Push Version

03.9371.40BDA
03.9371.14BDA

Mains Dimming

03.9371.40ANI
03.9371.14ANI

Casambi

03.9371.40ACB
03.9371.14ACB

Non Dimmable

05.1715.40A
05.1715.14A

Dali & Push Version

05.1715.40BDA
05.1715.14BDA

Mains Dimming

05.1715.40ANI
05.1715.14ANI

Casambi

05.1715.40ACB
05.1715.14ACB

Non Dimmable

05.1716.40A
05.1716.14A

Dali & Push Version

05.1716.40BDA
05.1716.14BDA

Mains Dimming

05.1716.40ANI
05.1716.14ANI

Casambi

05.1716.40ACB
05.1716.14ACB

Non Dimmable

05.1717.40A
05.1717.14A

Dali & Push Version

05.1717.40BDA
05.1717.14BDA

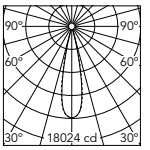
Mains Dimming

05.1717.40ANI
05.1717.14ANI

Casambi

05.1717.40ACB
05.1717.14ACB

22°
MEDIUM



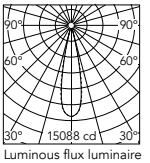
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2257 lm (EXTREME CUT OFF)

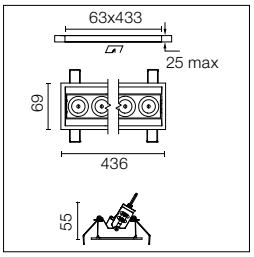
@White (40) 750mA

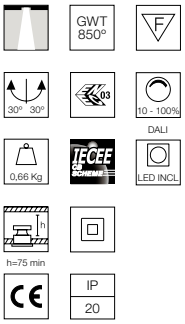
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	15088	0.39
2	3772	0.78
3	1676	1.17
4	943	1.56
5	604	1.95

Light Shadow Adjustable Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen nicht erforderlich.

E= Außenfarbe
I= Innenfarbe

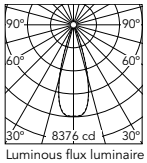
Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9365.40A
03.9365.14A
Dali & Push Version
03.9365.40BDA
03.9365.14BDA
Mains Dimming
03.9365.40ANI
03.9365.14ANI
Casambi
03.9365.40ACB
03.9365.14ACB
Non Dimmable
03.9366.40A
03.9366.14A
Dali & Push Version
03.9366.40BDA
03.9366.14BDA
Mains Dimming
03.9366.40ANI
03.9366.14ANI
Casambi
03.9366.40ACB
03.9366.14ACB
Non Dimmable
05.1720.40A
05.1720.14A
Dali & Push Version
05.1720.40BDA
05.1720.14BDA
Mains Dimming
05.1720.40ANI
05.1720.14ANI
Casambi
05.1720.40ACB
05.1720.14ACB
Non Dimmable
05.1721.40A
05.1721.14A
Dali & Push Version
05.1721.40BDA
05.1721.14BDA
Mains Dimming
05.1721.40ANI
05.1721.14ANI
Casambi
05.1721.40ACB
05.1721.14ACB
Non Dimmable
05.1722.40A
05.1722.14A
Dali & Push Version
05.1722.40BDA
05.1722.14BDA
Mains Dimming
05.1722.40ANI
05.1722.14ANI
Casambi
05.1722.40ACB
05.1722.14ACB

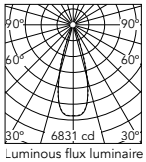
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	8376 0.59
2	2094 1.18
3	931 1.78
4	523 2.37
5	335 2.96

33° FLOOD



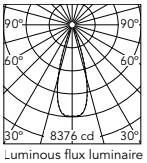
Luminous flux luminaire
2189 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	6824 0.59
2	1706 1.18
3	758 1.78
4	427 2.37
5	273 2.96

Optic Flood 3000K

E I Non Dimmable
03.9375.40A
03.9375.14A
Dali & Push Version
03.9375.40BDA
03.9375.14BDA
Mains Dimming
03.9375.40ANI
03.9375.14ANI
Casambi
03.9375.40ACB
03.9375.14ACB
Non Dimmable
03.9376.40A
03.9376.14A
Dali & Push Version
03.9376.40BDA
03.9376.14BDA
Mains Dimming
03.9376.40ANI
03.9376.14ANI
Casambi
03.9376.40ACB
03.9376.14ACB
Non Dimmable
05.1725.40A
05.1725.14A
Dali & Push Version
05.1725.40BDA
05.1725.14BDA
Mains Dimming
05.1725.40ANI
05.1725.14ANI
Casambi
05.1725.40ACB
05.1725.14ACB
Non Dimmable
05.1726.40A
05.1726.14A
Dali & Push Version
05.1726.40BDA
05.1726.14BDA
Mains Dimming
05.1726.40ANI
05.1726.14ANI
Casambi
05.1726.40ACB
05.1726.14ACB
Non Dimmable
05.1727.40A
05.1727.14A
Dali & Push Version
05.1727.40BDA
05.1727.14BDA
Mains Dimming
05.1727.40ANI
05.1727.14ANI
Casambi
05.1727.40ACB
05.1727.14ACB

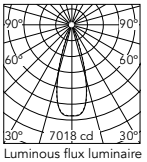
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	8376 0.59
2	2094 1.18
3	931 1.78
4	523 2.37
5	335 2.96

33° FLOOD

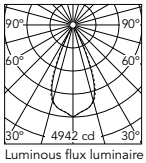


Luminous flux luminaire
2249 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	7011 0.59
2	1753 1.18
3	779 1.78
4	438 2.37
5	280 2.96

Optic Wide Flood 2700K

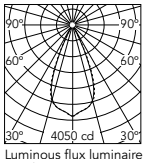
E I Non Dimmable
03.7324.40A
03.7324.14A
Dali & Push Version
03.7324.40BDA
03.7324.14BDA
Mains Dimming
03.7324.40ANI
03.7324.14ANI
Casambi
03.7324.40ACB
03.7324.14ACB
Non Dimmable
03.7325.40A
03.7325.14A
Dali & Push Version
03.7325.40BDA
03.7325.14BDA
Mains Dimming
03.7325.40ANI
03.7325.14ANI
Casambi
03.7325.40ACB
03.7325.14ACB
Non Dimmable
05.1730.40A
05.1730.14A
Dali & Push Version
05.1730.40BDA
05.1730.14BDA
Mains Dimming
05.1730.40ANI
05.1730.14ANI
Casambi
05.1730.40ACB
05.1730.14ACB
Non Dimmable
05.1731.40A
05.1731.14A
Dali & Push Version
05.1731.40BDA
05.1731.14BDA
Mains Dimming
05.1731.40ANI
05.1731.14ANI
Casambi
05.1731.40ACB
05.1731.14ACB
Non Dimmable
05.1732.40A
05.1732.14A
Dali & Push Version
05.1732.40BDA
05.1732.14BDA
Mains Dimming
05.1732.40ANI
05.1732.14ANI
Casambi
05.1732.40ACB
05.1732.14ACB



Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4942 0.83
2	1235 1.67
3	549 2.50
4	309 3.34
5	198 4.17

@White (40) 900mA



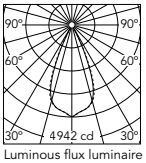
Luminous flux luminaire
2173 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4050 0.83
2	1012 1.67
3	450 2.50
4	253 3.34
5	162 4.17

@White (40) 750mA

Optic Wide Flood 3000K

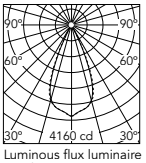
E I Non Dimmable
03.7328.40A
03.7328.14A
Dali & Push Version
03.7328.40BDA
03.7328.14BDA
Mains Dimming
03.7328.40ANI
03.7328.14ANI
Casambi
03.7328.40ACB
03.7328.14ACB
Non Dimmable
03.7329.40A
03.7329.14A
Dali & Push Version
03.7329.40BDA
03.7329.14BDA
Mains Dimming
03.7329.40ANI
03.7329.14ANI
Casambi
03.7329.40ACB
03.7329.14ACB
Non Dimmable
05.1735.40A
05.1735.14A
Dali & Push Version
05.1735.40BDA
05.1735.14BDA
Mains Dimming
05.1735.40ANI
05.1735.14ANI
Casambi
05.1735.40ACB
05.1735.14ACB
Non Dimmable
05.1736.40A
05.1736.14A
Dali & Push Version
05.1736.40BDA
05.1736.14BDA
Mains Dimming
05.1736.40ANI
05.1736.14ANI
Casambi
05.1736.40ACB
05.1736.14ACB
Non Dimmable
05.1737.40A
05.1737.14A
Dali & Push Version
05.1737.40BDA
05.1737.14BDA
Mains Dimming
05.1737.40ANI
05.1737.14ANI
Casambi
05.1737.40ACB
05.1737.14ACB



Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4942 0.83
2	1235 1.67
3	549 2.50
4	309 3.34
5	198 4.17

@White (40) 900mA



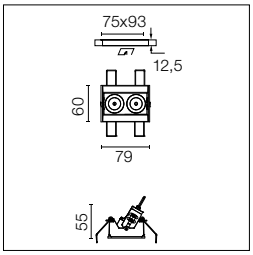
Luminous flux luminaire
2232 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	4160 0.83
2	1040 1.67
3	462 2.50
4	260 3.34
5	166 4.17

@White (40) 750mA

Light Shadow Adjustable No Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

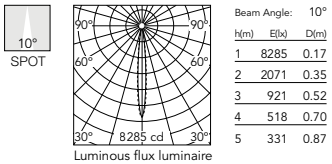
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I

Non Dimmable
03.8916.40A
03.8916.14A
Dali Version
03.8916.40BDA
03.8916.14BDA
Mains Dimming
03.8916.40ANI
03.8916.14ANI
Casambi
03.8916.40ACB
03.8916.14ACB
Non Dimmable
03.8917.40A
03.8917.14A
Dali Version
03.8917.40BDA
03.8917.14BDA
Mains Dimming
03.8917.40ANI
03.8917.14ANI
Casambi
03.8917.40ACB
03.8917.14ACB
Non Dimmable
05.1440.40A
05.1440.14A
Dali Version
05.1440.40BDA
05.1440.14BDA
Mains Dimming
05.1440.40ANI
05.1440.14ANI
Casambi
05.1440.40ACB
05.1440.14ACB
Non Dimmable
05.1441.40A
05.1441.14A
Dali Version
05.1441.40BDA
05.1441.14BDA
Mains Dimming
05.1441.40ANI
05.1441.14ANI
Casambi
05.1441.40ACB
05.1441.14ACB
Non Dimmable
05.1442.40A
05.1442.14A
Dali Version
05.1442.40BDA
05.1442.14BDA
Mains Dimming
05.1442.40ANI
05.1442.14ANI
Casambi
05.1442.40ACB
05.1442.14ACB



Luminous flux luminaire
453 lm

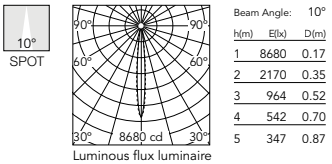
Beam Angle:	10°
h(m)	E(lx)	D(m)
1	8285	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

@White (40)

Optic Spot 3000K

E I

Non Dimmable
03.8920.40A
03.8920.14A
Dali Version
03.8920.40BDA
03.8920.14BDA
Mains Dimming
03.8920.40ANI
03.8920.14ANI
Casambi
03.8920.40ACB
03.8920.14ACB
Non Dimmable
03.8921.40A
03.8921.14A
Dali Version
03.8921.40BDA
03.8921.14BDA
Mains Dimming
03.8921.40ANI
03.8921.14ANI
Casambi
03.8921.40ACB
03.8921.14ACB
Non Dimmable
05.1445.40A
05.1445.14A
Dali Version
05.1445.40BDA
05.1445.14BDA
Mains Dimming
05.1445.40ANI
05.1445.14ANI
Casambi
05.1445.40ACB
05.1445.14ACB
Non Dimmable
05.1446.40A
05.1446.14A
Dali Version
05.1446.40BDA
05.1446.14BDA
Mains Dimming
05.1446.40ANI
05.1446.14ANI
Casambi
05.1446.40ACB
05.1446.14ACB
Non Dimmable
05.1447.40A
05.1447.14A
Dali Version
05.1447.40BDA
05.1447.14BDA
Mains Dimming
05.1447.40ANI
05.1447.14ANI
Casambi
05.1447.40ACB
05.1447.14ACB



Luminous flux luminaire
475 lm

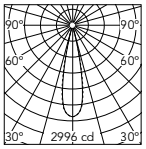
Beam Angle:	10°
h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	542	0.70
5	347	0.87

@White (40)

Optic Medium 2700K

E I Non Dimmable
03.9400.40A
03.9400.14A
Dali Version
03.9400.40BDA
03.9400.14BDA
Mains Dimming
03.9400.40ANI
03.9400.14ANI
Casambi
03.9400.40ACB
03.9400.14ACB
Non Dimmable
03.9401.40A
03.9401.14A
Dali Version
03.9401.40BDA
03.9401.14BDA
Mains Dimming
03.9401.40ANI
03.9401.14ANI
Casambi
03.9401.40ACB
03.9401.14ACB
Non Dimmable
05.1450.40A
05.1450.14A
Dali Version
05.1450.40BDA
05.1450.14BDA
Mains Dimming
05.1450.40ANI
05.1450.14ANI
Casambi
05.1450.40ACB
05.1450.14ACB
Non Dimmable
05.1451.40A
05.1451.14A
Dali Version
05.1451.40BDA
05.1451.14BDA
Mains Dimming
05.1451.40ANI
05.1451.14ANI
Casambi
05.1451.40ACB
05.1451.14ACB
Non Dimmable
05.1452.40A
05.1452.14A
Dali Version
05.1452.40BDA
05.1452.14BDA
Mains Dimming
05.1452.40ANI
05.1452.14ANI
Casambi
05.1452.40ACB
05.1452.14ACB

MEDIUM



Luminous flux luminaire
448 lm

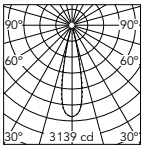
Beam Angle:		22°
h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

@White (40)

Optic Medium 3000K

E I Non Dimmable
03.9410.40A
03.9410.14A
Dali Version
03.9410.40BDA
03.9410.14BDA
Mains Dimming
03.9410.40ANI
03.9410.14ANI
Casambi
03.9410.40ACB
03.9410.14ACB
Non Dimmable
03.9411.40A
03.9411.14A
Dali Version
03.9411.40BDA
03.9411.14BDA
Mains Dimming
03.9411.40ANI
03.9411.14ANI
Casambi
03.9411.40ACB
03.9411.14ACB
Non Dimmable
05.1455.40A
05.1455.14A
Dali Version
05.1455.40BDA
05.1455.14BDA
Mains Dimming
05.1455.40ANI
05.1455.14ANI
Casambi
05.1455.40ACB
05.1455.14ACB
Non Dimmable
05.1456.40A
05.1456.14A
Dali Version
05.1456.40BDA
05.1456.14BDA
Mains Dimming
05.1456.40ANI
05.1456.14ANI
Casambi
05.1456.40ACB
05.1456.14ACB
Non Dimmable
05.1457.40A
05.1457.14A
Dali Version
05.1457.40BDA
05.1457.14BDA
Mains Dimming
05.1457.40ANI
05.1457.14ANI
Casambi
05.1457.40ACB
05.1457.14ACB

MEDIUM



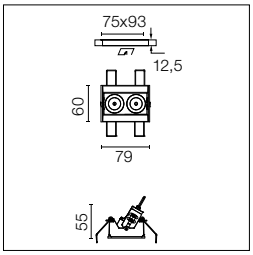
Luminous flux luminaire
470 lm

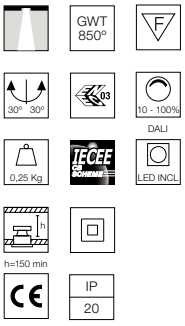
Beam Angle:		22°
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

@White (40)

Light Shadow Adjustable No Trim 2 Spots

Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 2 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

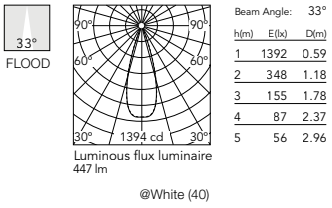
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I

Non Dimmable
03.9405.40A
03.9405.14A
Dali Version
03.9405.40BDA
03.9405.14BDA
Mains Dimming
03.9405.40ANI
03.9405.14ANI
Casambi
03.9405.40ACB
03.9405.14ACB
Non Dimmable
03.9406.40A
03.9406.14A
Dali Version
03.9406.40BDA
03.9406.14BDA
Mains Dimming
03.9406.40ANI
03.9406.14ANI
Casambi
03.9406.40ACB
03.9406.14ACB
Non Dimmable
05.1460.40A
05.1460.14A
Dali Version
05.1460.40BDA
05.1460.14BDA
Mains Dimming
05.1460.40ANI
05.1460.14ANI
Casambi
05.1460.40ACB
05.1460.14ACB
Non Dimmable
05.1461.40A
05.1461.14A
Dali Version
05.1461.40BDA
05.1461.14BDA
Mains Dimming
05.1461.40ANI
05.1461.14ANI
Casambi
05.1461.40ACB
05.1461.14ACB
Non Dimmable
05.1462.40A
05.1462.14A
Dali Version
05.1462.40BDA
05.1462.14BDA
Mains Dimming
05.1462.40ANI
05.1462.14ANI
Casambi
05.1462.40ACB
05.1462.14ACB

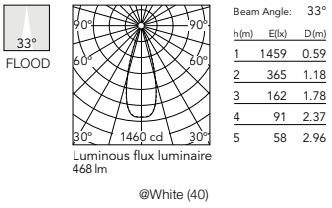


@White (40)

Optic Flood 3000K

E I

Non Dimmable
03.9415.40A
03.9415.14A
Dali Version
03.9415.40BDA
03.9415.14BDA
Mains Dimming
03.9415.40ANI
03.9415.14ANI
Casambi
03.9415.40ACB
03.9415.14ACB
Non Dimmable
03.9416.40A
03.9416.14A
Dali Version
03.9416.40BDA
03.9416.14BDA
Mains Dimming
03.9416.40ANI
03.9416.14ANI
Casambi
03.9416.40ACB
03.9416.14ACB
Non Dimmable
05.1465.40A
05.1465.14A
Dali Version
05.1465.40BDA
05.1465.14BDA
Mains Dimming
05.1465.40ANI
05.1465.14ANI
Casambi
05.1465.40ACB
05.1465.14ACB
Non Dimmable
05.1466.40A
05.1466.14A
Dali Version
05.1466.40BDA
05.1466.14BDA
Mains Dimming
05.1466.40ANI
05.1466.14ANI
Casambi
05.1466.40ACB
05.1466.14ACB
Non Dimmable
05.1467.40A
05.1467.14A
Dali Version
05.1467.40BDA
05.1467.14BDA
Mains Dimming
05.1467.40ANI
05.1467.14ANI
Casambi
05.1467.40ACB
05.1467.14ACB

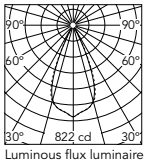


@White (40)

Optic Wide Flood 2700K

E I Non Dimmable
03.7350.40A
03.7350.14A
Dali Version
03.7350.40BDA
03.7350.14BDA
Mains Dimming
03.7350.40ANI
03.7350.14ANI
Casambi
03.7350.40ACB
03.7350.14ACB
Non Dimmable
03.7351.40A
03.7351.14A
Dali Version
03.7351.40BDA
03.7351.14BDA
Mains Dimming
03.7351.40ANI
03.7351.14ANI
Casambi
03.7351.40ACB
03.7351.14ACB
Non Dimmable
05.1470.40A
05.1470.14A
Dali Version
05.1470.40BDA
05.1470.14BDA
Mains Dimming
05.1470.40ANI
05.1470.14ANI
Casambi
05.1470.40ACB
05.1470.14ACB
Non Dimmable
05.1471.40A
05.1471.14A
Dali Version
05.1471.40BDA
05.1471.14BDA
Mains Dimming
05.1471.40ANI
05.1471.14ANI
Casambi
05.1471.40ACB
05.1471.14ACB
Non Dimmable
05.1472.40A
05.1472.14A
Dali Version
05.1472.40BDA
05.1472.14BDA
Mains Dimming
05.1472.40ANI
05.1472.14ANI
Casambi
05.1472.40ACB
05.1472.14ACB

WIDE FLOOD



Luminous flux luminaire
441 lm

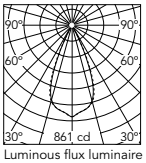
Beam Angle:	45°
h(m)	E(lx) D(m)
1	822 0.83
2	205 1.67
3	91 2.50
4	51 3.34
5	33 4.17

@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7354.40A
03.7354.14A
Dali Version
03.7354.40BDA
03.7354.14BDA
Mains Dimming
03.7354.40ANI
03.7354.14ANI
Casambi
03.7354.40ACB
03.7354.14ACB
Non Dimmable
03.7355.40A
03.7355.14A
Dali Version
03.7355.40BDA
03.7355.14BDA
Mains Dimming
03.7355.40ANI
03.7355.14ANI
Casambi
03.7355.40ACB
03.7355.14ACB
Non Dimmable
05.1475.40A
05.1475.14A
Dali Version
05.1475.40BDA
05.1475.14BDA
Mains Dimming
05.1475.40ANI
05.1475.14ANI
Casambi
05.1475.40ACB
05.1475.14ACB
Non Dimmable
05.1476.40A
05.1476.14A
Dali Version
05.1476.40BDA
05.1476.14BDA
Mains Dimming
05.1476.40ANI
05.1476.14ANI
Casambi
05.1476.40ACB
05.1476.14ACB
Non Dimmable
05.1477.40A
05.1477.14A
Dali Version
05.1477.40BDA
05.1477.14BDA
Mains Dimming
05.1477.40ANI
05.1477.14ANI
Casambi
05.1477.40ACB
05.1477.14ACB

WIDE FLOOD



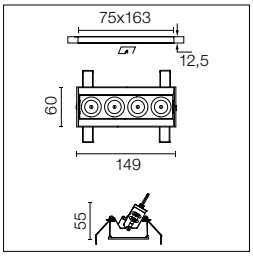
Luminous flux luminaire
462 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	861 0.83
2	215 1.67
3	96 2.50
4	54 3.34
5	34 4.17

@White (40)

Light Shadow Adjustable No Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

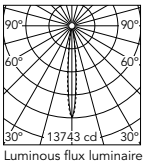
E= External Finish
I= Internal Finish.

Optic Spot 2700K

E I

Non Dimmable
03.8924.40A
03.8924.14A
Dali Version
03.8924.40BDA
03.8924.14BDA
Mains Dimming
03.8924.40ANI
03.8924.14ANI
Casambi
03.8924.40ACB
03.8924.14ACB
Non Dimmable
03.8925.40A
03.8925.14A
Dali Version
03.8925.40BDA
03.8925.14BDA
Mains Dimming
03.8925.40ANI
03.8925.14ANI
Casambi
03.8925.40ACB
03.8925.14ACB
Non Dimmable
05.1540.40A
05.1540.14A
Dali Version
05.1540.40BDA
05.1540.14BDA
Mains Dimming
05.1540.40ANI
05.1540.14ANI
Casambi
05.1540.40ACB
05.1540.14ACB
Non Dimmable
05.1541.40A
05.1541.14A
Dali Version
05.1541.40BDA
05.1541.14BDA
Mains Dimming
05.1541.40ANI
05.1541.14ANI
Casambi
05.1541.40ACB
05.1541.14ACB
Non Dimmable
05.1542.40A
05.1542.14A
Dali Version
05.1542.40BDA
05.1542.14BDA
Mains Dimming
05.1542.40ANI
05.1542.14ANI
Casambi
05.1542.40ACB
05.1542.14ACB

10°
SPOT



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

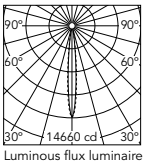
Beam Angle:		10°
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

E I

Non Dimmable
03.8928.40A
03.8928.14A
Dali Version
03.8928.40BDA
03.8928.14BDA
Mains Dimming
03.8928.40ANI
03.8928.14ANI
Casambi
03.8928.40ACB
03.8928.14ACB
Non Dimmable
03.8929.40A
03.8929.14A
Dali Version
03.8929.40BDA
03.8929.14BDA
Mains Dimming
03.8929.40ANI
03.8929.14ANI
Casambi
03.8929.40ACB
03.8929.14ACB
Non Dimmable
05.1545.40A
05.1545.14A
Dali Version
05.1545.40BDA
05.1545.14BDA
Mains Dimming
05.1545.40ANI
05.1545.14ANI
Casambi
05.1545.40ACB
05.1545.14ACB
Non Dimmable
05.1546.40A
05.1546.14A
Dali Version
05.1546.40BDA
05.1546.14BDA
Mains Dimming
05.1546.40ANI
05.1546.14ANI
Casambi
05.1546.40ACB
05.1546.14ACB
Non Dimmable
05.1547.40A
05.1547.14A
Dali Version
05.1547.40BDA
05.1547.14BDA
Mains Dimming
05.1547.40ANI
05.1547.14ANI
Casambi
05.1547.40ACB
05.1547.14ACB

10°
SPOT



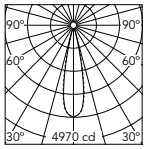
Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Optic Medium 2700K

E I Non Dimmable
03.9420.40A
03.9420.14A
Dali Version
03.9420.40BDA
03.9420.14BDA
Mains Dimming
03.9420.40ANI
03.9420.14ANI
Casambi
03.9420.40ACB
03.9420.14ACB
Non Dimmable
03.9421.40A
03.9421.14A
Dali Version
03.9421.40BDA
03.9421.14BDA
Mains Dimming
03.9421.40ANI
03.9421.14ANI
Casambi
03.9421.40ACB
03.9421.14ACB
Non Dimmable
05.1550.40A
05.1550.14A
Dali Version
05.1550.40BDA
05.1550.14BDA
Mains Dimming
05.1550.40ANI
05.1550.14ANI
Casambi
05.1550.40ACB
05.1550.14ACB
Non Dimmable
05.1551.40A
05.1551.14A
Dali Version
05.1551.40BDA
05.1551.14BDA
Mains Dimming
05.1551.40ANI
05.1551.14ANI
Casambi
05.1551.40ACB
05.1551.14ACB
Non Dimmable
05.1552.40A
05.1552.14A
Dali Version
05.1552.40BDA
05.1552.14BDA
Mains Dimming
05.1552.40ANI
05.1552.14ANI
Casambi
05.1552.40ACB
05.1552.14ACB



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

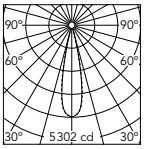
@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I Non Dimmable
03.9430.40A
03.9430.14A
Dali Version
03.9430.40BDA
03.9430.14BDA
Mains Dimming
03.9430.40ANI
03.9430.14ANI
Casambi
03.9430.40ACB
03.9430.14ACB
Non Dimmable
03.9431.40A
03.9431.14A
Dali Version
03.9431.40BDA
03.9431.14BDA
Mains Dimming
03.9431.40ANI
03.9431.14ANI
Casambi
03.9431.40ACB
03.9431.14ACB
Non Dimmable
05.1555.40A
05.1555.14A
Dali Version
05.1555.40BDA
05.1555.14BDA
Mains Dimming
05.1555.40ANI
05.1555.14ANI
Casambi
05.1555.40ACB
05.1555.14ACB
Non Dimmable
05.1556.40A
05.1556.14A
Dali Version
05.1556.40BDA
05.1556.14BDA
Mains Dimming
05.1556.40ANI
05.1556.14ANI
Casambi
05.1556.40ACB
05.1556.14ACB
Non Dimmable
05.1557.40A
05.1557.14A
Dali Version
05.1557.40BDA
05.1557.14BDA
Mains Dimming
05.1557.40ANI
05.1557.14ANI
Casambi
05.1557.40ACB
05.1557.14ACB



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

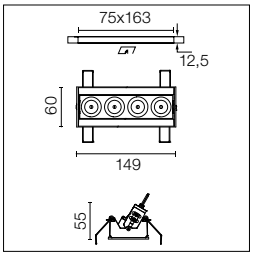
@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Light Shadow Adjustable No Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Leuchte für Unterputzmontage mit 4 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

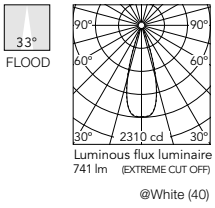
E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish.

Optic Flood 2700K

E I Non Dimmable
03.9425.40A
03.9425.14A
Dali Version
03.9425.40BDA
03.9425.14BDA
Mains Dimming
03.9425.40ANI
03.9425.14ANI
Casambi
03.9425.40ACB
03.9425.14ACB
Non Dimmable
03.9426.40A
03.9426.14A
Dali Version
03.9426.40BDA
03.9426.14BDA
Mains Dimming
03.9426.40ANI
03.9426.14ANI
Casambi
03.9426.40ACB
03.9426.14ACB
Non Dimmable
05.1560.40A
05.1560.14A
Dali Version
05.1560.40BDA
05.1560.14BDA
Mains Dimming
05.1560.40ANI
05.1560.14ANI
Casambi
05.1560.40ACB
05.1560.14ACB
Non Dimmable
05.1561.40A
05.1561.14A
Dali Version
05.1561.40BDA
05.1561.14BDA
Mains Dimming
05.1561.40ANI
05.1561.14ANI
Casambi
05.1561.40ACB
05.1561.14ACB
Non Dimmable
05.1562.40A
05.1562.14A
Dali Version
05.1562.40BDA
05.1562.14BDA
Mains Dimming
05.1562.40ANI
05.1562.14ANI
Casambi
05.1562.40ACB
05.1562.14ACB



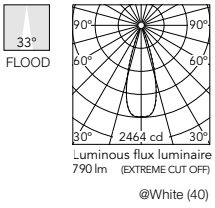
Luminous flux luminaire
741 lm (EXTREME CUT OFF)

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

@White (40)

Optic Flood 3000K

E I Non Dimmable
03.9435.40A
03.9435.14A
Dali Version
03.9435.40BDA
03.9435.14BDA
Mains Dimming
03.9435.40ANI
03.9435.14ANI
Casambi
03.9435.40ACB
03.9435.14ACB
Non Dimmable
03.9436.40A
03.9436.14A
Dali Version
03.9436.40BDA
03.9436.14BDA
Mains Dimming
03.9436.40ANI
03.9436.14ANI
Casambi
03.9436.40ACB
03.9436.14ACB
Non Dimmable
05.1565.40A
05.1565.14A
Dali Version
05.1565.40BDA
05.1565.14BDA
Mains Dimming
05.1565.40ANI
05.1565.14ANI
Casambi
05.1565.40ACB
05.1565.14ACB
Non Dimmable
05.1566.40A
05.1566.14A
Dali Version
05.1566.40BDA
05.1566.14BDA
Mains Dimming
05.1566.40ANI
05.1566.14ANI
Casambi
05.1566.40ACB
05.1566.14ACB
Non Dimmable
05.1567.40A
05.1567.14A
Dali Version
05.1567.40BDA
05.1567.14BDA
Mains Dimming
05.1567.40ANI
05.1567.14ANI
Casambi
05.1567.40ACB
05.1567.14ACB



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

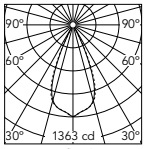
Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

@White (40)

Optic Wide Flood 2700K

E I Non Dimmable
03.7358.40A
03.7358.14A
Dali Version
03.7358.40BDA
03.7358.14BDA
Mains Dimming
03.7358.40ANI
03.7358.14ANI
Casambi
03.7358.40ACB
03.7358.14ACB
Non Dimmable
03.7359.40A
03.7359.14A
Dali Version
03.7359.40BDA
03.7359.14BDA
Mains Dimming
03.7359.40ANI
03.7359.14ANI
Casambi
03.7359.40ACB
03.7359.14ACB
Non Dimmable
05.1570.40A
05.1570.14A
Dali Version
05.1570.40BDA
05.1570.14BDA
Mains Dimming
05.1570.40ANI
05.1570.14ANI
Casambi
05.1570.40ACB
05.1570.14ACB
Non Dimmable
05.1571.40A
05.1571.14A
Dali Version
05.1571.40BDA
05.1571.14BDA
Mains Dimming
05.1571.40ANI
05.1571.14ANI
Casambi
05.1571.40ACB
05.1571.14ACB
Non Dimmable
05.1572.40A
05.1572.14A
Dali Version
05.1572.40BDA
05.1572.14BDA
Mains Dimming
05.1572.40ANI
05.1572.14ANI
Casambi
05.1572.40ACB
05.1572.14ACB

WIDE FLOOD



Luminous flux luminaire
731 lm [EXTREME CUT OFF]

Beam Angle: 45°

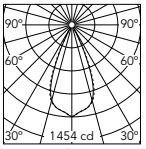
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7362.40A
03.7362.14A
Dali Version
03.7362.40BDA
03.7362.14BDA
Mains Dimming
03.7362.40ANI
03.7362.14ANI
Casambi
03.7362.40ACB
03.7362.14ACB
Non Dimmable
03.7363.40A
03.7363.14A
Dali Version
03.7363.40BDA
03.7363.14BDA
Mains Dimming
03.7363.40ANI
03.7363.14ANI
Casambi
03.7363.40ACB
03.7363.14ACB
Non Dimmable
05.1575.40A
05.1575.14A
Dali Version
05.1575.40BDA
05.1575.14BDA
Mains Dimming
05.1575.40ANI
05.1575.14ANI
Casambi
05.1575.40ACB
05.1575.14ACB
Non Dimmable
05.1576.40A
05.1576.14A
Dali Version
05.1576.40BDA
05.1576.14BDA
Mains Dimming
05.1576.40ANI
05.1576.14ANI
Casambi
05.1576.40ACB
05.1576.14ACB
Non Dimmable
05.1577.40A
05.1577.14A
Dali Version
05.1577.40BDA
05.1577.14BDA
Mains Dimming
05.1577.40ANI
05.1577.14ANI
Casambi
05.1577.40ACB
05.1577.14ACB

WIDE FLOOD



Luminous flux luminaire
780 lm [EXTREME CUT OFF]

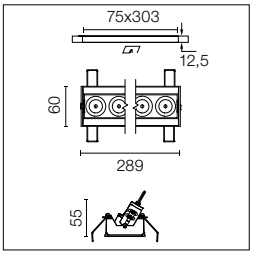
Beam Angle: 45°

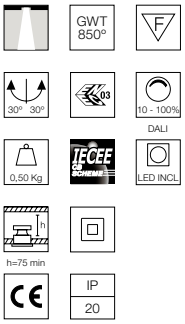
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

@White (40)

Light Shadow Adjustable No Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

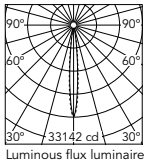
Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
03.8932.40A
03.8932.14A
Dali Version
03.8932.40BDA
03.8932.14BDA
Mains Dimming
03.8932.40ANI
03.8932.14ANI
Casambi
03.8932.40ACB
03.8932.14ACB
Non Dimmable
03.8933.40A
03.8933.14A
Dali Version
03.8933.40BDA
03.8933.14BDA
Mains Dimming
03.8933.40ANI
03.8933.14ANI
Casambi
03.8933.40ACB
03.8933.14ACB
Non Dimmable
05.1640.40A
05.1640.14A
Dali Version
05.1640.40BDA
05.1640.14BDA
Mains Dimming
05.1640.40ANI
05.1640.14ANI
Casambi
05.1640.40ACB
05.1640.14ACB
Non Dimmable
05.1641.40A
05.1641.14A
Dali Version
05.1641.40BDA
05.1641.14BDA
Mains Dimming
05.1641.40ANI
05.1641.14ANI
Casambi
05.1641.40ACB
05.1641.14ACB
Non Dimmable
05.1642.40A
05.1642.14A
Dali Version
05.1642.40BDA
05.1642.14BDA
Mains Dimming
05.1642.40ANI
05.1642.14ANI
Casambi
05.1642.40ACB
05.1642.14ACB

10° SPOT



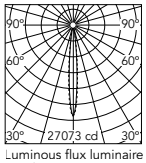
Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1480 lm (EXTREME CUT OFF)

@White (40) 750mA

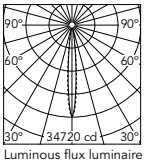
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	27073	0.17
2	6768	0.35
3	3008	0.52
4	1692	0.70
5	1083	0.87

Optic Spot 3000K

E I Non Dimmable
03.8936.40A
03.8936.14A
Dali Version
03.8936.40BDA
03.8936.14BDA
Mains Dimming
03.8936.40ANI
03.8936.14ANI
Casambi
03.8936.40ACB
03.8936.14ACB
Non Dimmable
03.8937.40A
03.8937.14A
Dali Version
03.8937.40BDA
03.8937.14BDA
Mains Dimming
03.8937.40ANI
03.8937.14ANI
Casambi
03.8937.40ACB
03.8937.14ACB
Non Dimmable
05.1645.40A
05.1645.14A
Dali Version
05.1645.40BDA
05.1645.14BDA
Mains Dimming
05.1645.40ANI
05.1645.14ANI
Casambi
05.1645.40ACB
05.1645.14ACB
Non Dimmable
05.1646.40A
05.1646.14A
Dali Version
05.1646.40BDA
05.1646.14BDA
Mains Dimming
05.1646.40ANI
05.1646.14ANI
Casambi
05.1646.40ACB
05.1646.14ACB
Non Dimmable
05.1647.40A
05.1647.14A
Dali Version
05.1647.40BDA
05.1647.14BDA
Mains Dimming
05.1647.40ANI
05.1647.14ANI
Casambi
05.1647.40ACB
05.1647.14ACB

10° SPOT



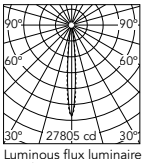
Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1520 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	27805	0.17
2	6951	0.35
3	3089	0.52
4	1738	0.70
5	1112	0.87

Optic Medium 2700K

E I

Non Dimmable
03.9440.40A
03.9440.14A

Dali Version
03.9440.40BDA
03.9440.14BDA

Mains Dimming
03.9440.40ANI
03.9440.14ANI

Casambi
03.9440.40ACB
03.9440.14ACB

Non Dimmable
03.9441.40A
03.9441.14A

Dali Version
03.9441.40BDA
03.9441.14BDA

Mains Dimming
03.9441.40ANI
03.9441.14ANI

Casambi
03.9441.40ACB
03.9441.14ACB

Non Dimmable
05.1650.40A
05.1650.14A

Dali Version
05.1650.40BDA
05.1650.14BDA

Mains Dimming
05.1650.40ANI
05.1650.14ANI

Casambi
05.1650.40ACB
05.1650.14ACB

Non Dimmable
05.1651.40A
05.1651.14A

Dali Version
05.1651.40BDA
05.1651.14BDA

Mains Dimming
05.1651.40ANI
05.1651.14ANI

Casambi
05.1651.40ACB
05.1651.14ACB

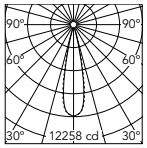
Non Dimmable
05.1652.40A
05.1652.14A

Dali Version
05.1652.40BDA
05.1652.14BDA

Mains Dimming
05.1652.40ANI
05.1652.14ANI

Casambi
05.1652.40ACB
05.1652.14ACB

22°
MEDIUM

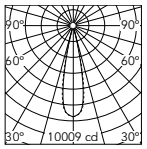


Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	22°
h(m) E(lx)	D(m)
1 12258	0.39
2 3065	0.78
3 1362	1.17
4 766	1.56
5 490	1.95

22°
MEDIUM



Luminous flux luminaire
1464 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	22°
h(m) E(lx)	D(m)
1 10009	0.39
2 2502	0.78
3 1112	1.17
4 626	1.56
5 400	1.95

Optic Medium 3000K

E I

Non Dimmable
03.9450.40A
03.9450.14A

Dali Version
03.9450.40BDA
03.9450.14BDA

Mains Dimming
03.9450.40ANI
03.9450.14ANI

Casambi
03.9450.40ACB
03.9450.14ACB

Non Dimmable
03.9451.40A
03.9451.14A

Dali Version
03.9451.40BDA
03.9451.14BDA

Mains Dimming
03.9451.40ANI
03.9451.14ANI

Casambi
03.9451.40ACB
03.9451.14ACB

Non Dimmable
05.1655.40A
05.1655.14A

Dali Version
05.1655.40BDA
05.1655.14BDA

Mains Dimming
05.1655.40ANI
05.1655.14ANI

Casambi
05.1655.40ACB
05.1655.14ACB

Non Dimmable
05.1656.40A
05.1656.14A

Dali Version
05.1656.40BDA
05.1656.14BDA

Mains Dimming
05.1656.40ANI
05.1656.14ANI

Casambi
05.1656.40ACB
05.1656.14ACB

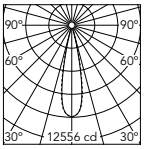
Non Dimmable
05.1657.40A
05.1657.14A

Dali Version
05.1657.40BDA
05.1657.14BDA

Mains Dimming
05.1657.40ANI
05.1657.14ANI

Casambi
05.1657.40ACB
05.1657.14ACB

22°
MEDIUM

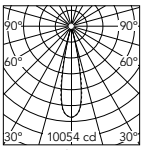


Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	22°
h(m) E(lx)	D(m)
1 12556	0.39
2 3139	0.78
3 1395	1.17
4 785	1.56
5 502	1.95

22°
MEDIUM



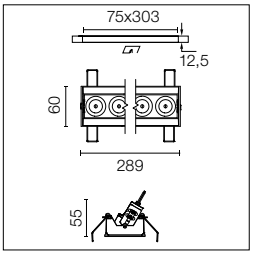
Luminous flux luminaire
1504 lm (EXTREME CUT OFF)

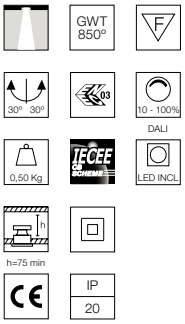
@White (40) 750mA

Beam Angle:	22°
h(m) E(lx)	D(m)
1 10054	0.39
2 2514	0.78
3 1117	1.17
4 628	1.56
5 402	1.95

Light Shadow Adjustable No Trim 8 Spots

Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 8 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

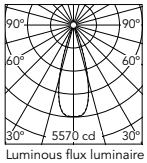
Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.9445.40A
03.9445.14A
Dali Version
03.9445.40BDA
03.9445.14BDA
Mains Dimming
03.9445.40ANI
03.9445.14ANI
Casambi
03.9445.40ACB
03.9445.14ACB
Non Dimmable
03.9446.40A
03.9446.14A
Dali Version
03.9446.40BDA
03.9446.14BDA
Mains Dimming
03.9446.40ANI
03.9446.14ANI
Casambi
03.9446.40ACB
03.9446.14ACB
Non Dimmable
05.1660.40A
05.1660.14A
Dali Version
05.1660.40BDA
05.1660.14BDA
Mains Dimming
05.1660.40ANI
05.1660.14ANI
Casambi
05.1660.40ACB
05.1660.14ACB
Non Dimmable
05.1661.40A
05.1661.14A
Dali Version
05.1661.40BDA
05.1661.14BDA
Mains Dimming
05.1661.40ANI
05.1661.14ANI
Casambi
05.1661.40ACB
05.1661.14ACB
Non Dimmable
05.1662.40A
05.1662.14A
Dali Version
05.1662.40BDA
05.1662.14BDA
Mains Dimming
05.1662.40ANI
05.1662.14ANI
Casambi
05.1662.40ACB
05.1662.14ACB

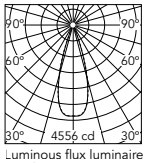
33° FLOOD



Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	5570 0.59
2	1392 1.18
3	619 1.78
4	348 2.37
5	223 2.96

33° FLOOD



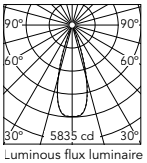
Luminous flux luminaire
1460 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	4551 0.59
2	1138 1.18
3	506 1.78
4	284 2.37
5	182 2.96

Optic Flood 3000K

E I Non Dimmable
03.9455.40A
03.9455.14A
Dali Version
03.9455.40BDA
03.9455.14BDA
Mains Dimming
03.9455.40ANI
03.9455.14ANI
Casambi
03.9455.40ACB
03.9455.14ACB
Non Dimmable
03.9456.40A
03.9456.14A
Dali Version
03.9456.40BDA
03.9456.14BDA
Mains Dimming
03.9456.40ANI
03.9456.14ANI
Casambi
03.9456.40ACB
03.9456.14ACB
Non Dimmable
05.1665.40A
05.1665.14A
Dali Version
05.1665.40BDA
05.1665.14BDA
Mains Dimming
05.1665.40ANI
05.1665.14ANI
Casambi
05.1665.40ACB
05.1665.14ACB
Non Dimmable
05.1666.40A
05.1666.14A
Dali Version
05.1666.40BDA
05.1666.14BDA
Mains Dimming
05.1666.40ANI
05.1666.14ANI
Casambi
05.1666.40ACB
05.1666.14ACB
Non Dimmable
05.1667.40A
05.1667.14A
Dali Version
05.1667.40BDA
05.1667.14BDA
Mains Dimming
05.1667.40ANI
05.1667.14ANI
Casambi
05.1667.40ACB
05.1667.14ACB

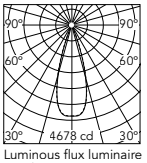
33° FLOOD



Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	5835 0.59
2	1459 1.18
3	648 1.78
4	365 2.37
5	233 2.96

33° FLOOD



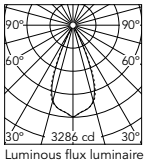
Luminous flux luminaire
1499 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	4673 0.59
2	1168 1.18
3	519 1.78
4	292 2.37
5	187 2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.7366.40A
03.7366.14A
Dali Version
03.7366.40BDA
03.7366.14BDA
Mains Dimming
03.7366.40ANI
03.7366.14ANI
Casambi
03.7366.40ACB
03.7366.14ACB
Non Dimmable
03.7367.40A
03.7367.14A
Dali Version
03.7367.40BDA
03.7367.14BDA
Mains Dimming
03.7367.40ANI
03.7367.14ANI
Casambi
03.7367.40ACB
03.7367.14ACB
Non Dimmable
05.1670.40A
05.1670.14A
Dali Version
05.1670.40BDA
05.1670.14BDA
Mains Dimming
05.1670.40ANI
05.1670.14ANI
Casambi
05.1670.40ACB
05.1670.14ACB
Non Dimmable
05.1671.40A
05.1671.14A
Dali Version
05.1671.40BDA
05.1671.14BDA
Mains Dimming
05.1671.40ANI
05.1671.14ANI
Casambi
05.1671.40ACB
05.1671.14ACB
Non Dimmable
05.1672.40A
05.1672.14A
Dali Version
05.1672.40BDA
05.1672.14BDA
Mains Dimming
05.1672.40ANI
05.1672.14ANI
Casambi
05.1672.40ACB
05.1672.14ACB

45° WIDE FLOOD

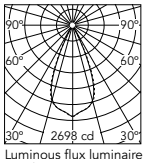


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m) E(lx)	D(m)
1 3286	0.83
2 822	1.67
3 365	2.50
4 205	3.34
5 131	4.17

45° WIDE FLOOD



Luminous flux luminaire
1448 lm (EXTREME CUT OFF)

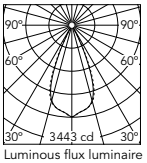
@White (40) 750mA

Beam Angle:	45°
h(m) E(lx)	D(m)
1 2698	0.83
2 675	1.67
3 300	2.50
4 169	3.34
5 108	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.7370.40A
03.7370.14A
Dali Version
03.7370.40BDA
03.7370.14BDA
Mains Dimming
03.7370.40ANI
03.7370.14ANI
Casambi
03.7370.40ACB
03.7370.14ACB
Non Dimmable
03.7371.40A
03.7371.14A
Dali Version
03.7371.40BDA
03.7371.14BDA
Mains Dimming
03.7371.40ANI
03.7371.14ANI
Casambi
03.7371.40ACB
03.7371.14ACB
Non Dimmable
05.1675.40A
05.1675.14A
Dali Version
05.1675.40BDA
05.1675.14BDA
Mains Dimming
05.1675.40ANI
05.1675.14ANI
Casambi
05.1675.40ACB
05.1675.14ACB
Non Dimmable
05.1676.40A
05.1676.14A
Dali Version
05.1676.40BDA
05.1676.14BDA
Mains Dimming
05.1676.40ANI
05.1676.14ANI
Casambi
05.1676.40ACB
05.1676.14ACB
Non Dimmable
05.1677.40A
05.1677.14A
Dali Version
05.1677.40BDA
05.1677.14BDA
Mains Dimming
05.1677.40ANI
05.1677.14ANI
Casambi
05.1677.40ACB
05.1677.14ACB

45° WIDE FLOOD

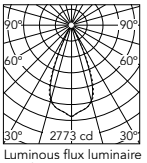


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m) E(lx)	D(m)
1 3443	0.83
2 861	1.67
3 383	2.50
4 215	3.34
5 138	4.17

45° WIDE FLOOD



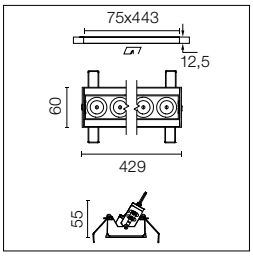
Luminous flux luminaire
1488 lm (EXTREME CUT OFF)

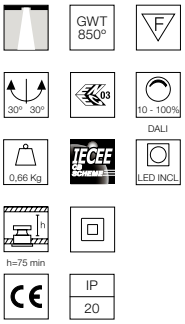
@White (40) 750mA

Beam Angle:	45°
h(m) E(lx)	D(m)
1 2773	0.83
2 693	1.67
3 308	2.50
4 173	3.34
5 111	4.17

Light Shadow Adjustable No Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

E= Außenfarbe
I= Innenfarbe

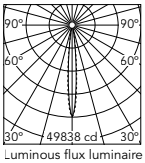
Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
03.8940.40A
03.8940.14A
Dali & Push Version
03.8940.40BDA
03.8940.14BDA
Mains Dimming
03.8940.40ANI
03.8940.14ANI
Casambi
03.8940.40ACB
03.8940.14ACB
Non Dimmable
03.8941.40A
03.8941.14A
Dali & Push Version
03.8941.40BDA
03.8941.14BDA
Mains Dimming
03.8941.40ANI
03.8941.14ANI
Casambi
03.8941.40ACB
03.8941.14ACB
Non Dimmable
05.1740.40A
05.1740.14A
Dali & Push Version
05.1740.40BDA
05.1740.14BDA
Mains Dimming
05.1740.40ANI
05.1740.14ANI
Casambi
05.1740.40ACB
05.1740.14ACB
Non Dimmable
05.1741.40A
05.1741.14A
Dali & Push Version
05.1741.40BDA
05.1741.14BDA
Mains Dimming
05.1741.40ANI
05.1741.14ANI
Casambi
05.1741.40ACB
05.1741.14ACB
Non Dimmable
05.1742.40A
05.1742.14A
Dali & Push Version
05.1742.40BDA
05.1742.14BDA
Mains Dimming
05.1742.40ANI
05.1742.14ANI
Casambi
05.1742.40ACB
05.1742.14ACB

10° SPOT



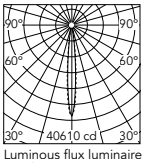
Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2220 lm (EXTREME CUT OFF)

@White (40) 750mA

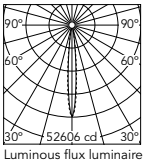
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	40610	0.17
2	10153	0.35
3	4512	0.52
4	2538	0.70
5	1624	0.87

Optic Spot 3000K

E I Non Dimmable
03.8944.40A
03.8944.14A
Dali & Push Version
03.8944.40BDA
03.8944.14BDA
Mains Dimming
03.8944.40ANI
03.8944.14ANI
Casambi
03.8944.40ACB
03.8944.14ACB
Non Dimmable
03.8945.40A
03.8945.14A
Dali & Push Version
03.8945.40BDA
03.8945.14BDA
Mains Dimming
03.8945.40ANI
03.8945.14ANI
Casambi
03.8945.40ACB
03.8945.14ACB
Non Dimmable
05.1745.40A
05.1745.14A
Dali & Push Version
05.1745.40BDA
05.1745.14BDA
Mains Dimming
05.1745.40ANI
05.1745.14ANI
Casambi
05.1745.40ACB
05.1745.14ACB
Non Dimmable
05.1746.40A
05.1746.14A
Dali & Push Version
05.1746.40BDA
05.1746.14BDA
Mains Dimming
05.1746.40ANI
05.1746.14ANI
Casambi
05.1746.40ACB
05.1746.14ACB
Non Dimmable
05.1747.40A
05.1747.14A
Dali & Push Version
05.1747.40BDA
05.1747.14BDA
Mains Dimming
05.1747.40ANI
05.1747.14ANI
Casambi
05.1747.40ACB
05.1747.14ACB

10° SPOT



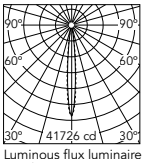
Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2281 lm (EXTREME CUT OFF)

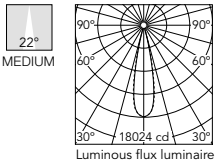
@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	41726	0.17
2	10431	0.35
3	4636	0.52
4	2608	0.70
5	1669	0.87

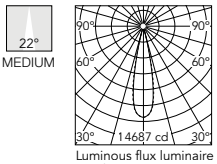
Optic Medium 2700K

E I Non Dimmable
03.9460.40A
03.9460.14A
Dali & Push Version
03.9460.40BDA
03.9460.14BDA
Mains Dimming
03.9460.40ANI
03.9460.14ANI
Casambi
03.9460.40ACB
03.9460.14ACB
Non Dimmable
03.9461.40A
03.9461.14A
Dali & Push Version
03.9461.40BDA
03.9461.14BDA
Mains Dimming
03.9461.40ANI
03.9461.14ANI
Casambi
03.9461.40ACB
03.9461.14ACB
Non Dimmable
05.1750.40A
05.1750.14A
Dali & Push Version
05.1750.40BDA
05.1750.14BDA
Mains Dimming
05.1750.40ANI
05.1750.14ANI
Casambi
05.1750.40ACB
05.1750.14ACB
Non Dimmable
05.1751.40A
05.1751.14A
Dali & Push Version
05.1751.40BDA
05.1751.14BDA
Mains Dimming
05.1751.40ANI
05.1751.14ANI
Casambi
05.1751.40ACB
05.1751.14ACB
Non Dimmable
05.1752.40A
05.1752.14A
Dali & Push Version
05.1752.40BDA
05.1752.14BDA
Mains Dimming
05.1752.40ANI
05.1752.14ANI
Casambi
05.1752.40ACB
05.1752.14ACB



Luminous flux luminaire
2696 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

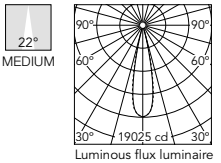


Luminous flux luminaire
2197 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	14687	0.39
2	3672	0.78
3	1632	1.17
4	918	1.56
5	587	1.95

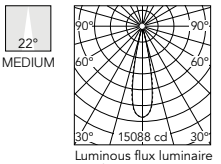
Optic Medium 3000K

E I Non Dimmable
03.9470.40A
03.9470.14A
Dali & Push Version
03.9470.40BDA
03.9470.14BDA
Mains Dimming
03.9470.40ANI
03.9470.14ANI
Casambi
03.9470.40ACB
03.9470.14ACB
Non Dimmable
03.9471.40A
03.9471.14A
Dali & Push Version
03.9471.40BDA
03.9471.14BDA
Mains Dimming
03.9471.40ANI
03.9471.14ANI
Casambi
03.9471.40ACB
03.9471.14ACB
Non Dimmable
05.1755.40A
05.1755.14A
Dali & Push Version
05.1755.40BDA
05.1755.14BDA
Mains Dimming
05.1755.40ANI
05.1755.14ANI
Casambi
05.1755.40ACB
05.1755.14ACB
Non Dimmable
05.1756.40A
05.1756.14A
Dali & Push Version
05.1756.40BDA
05.1756.14BDA
Mains Dimming
05.1756.40ANI
05.1756.14ANI
Casambi
05.1756.40ACB
05.1756.14ACB
Non Dimmable
05.1757.40A
05.1757.14A
Dali & Push Version
05.1757.40BDA
05.1757.14BDA
Mains Dimming
05.1757.40ANI
05.1757.14ANI
Casambi
05.1757.40ACB
05.1757.14ACB



Luminous flux luminaire
2846 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	19025	0.39
2	4756	0.78
3	2114	1.17
4	1189	1.56
5	761	1.95

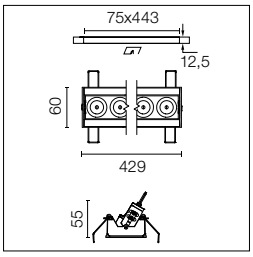


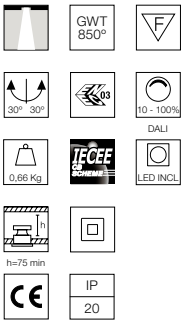
Luminous flux luminaire
2257 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	15088	0.39
2	3772	0.78
3	1676	1.17
4	943	1.56
5	604	1.95

Light Shadow Adjustable No Trim 12 Spots

Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90





Leuchte für Unterputzmontage mit 12 LED-Lichtquellen. Externes Netzgerät eingeschlossen (220-240V).
Vorinstallationsrahmen. Muss separat bestellt werden.

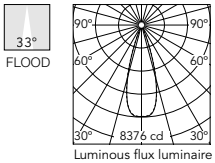
E= Außenfarbe
I= Innenfarbe

Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

Optic Flood 2700K

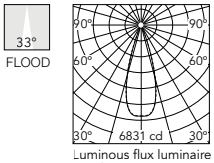
E I Non Dimmable
03.9465.40A
03.9465.14A
Dali & Push Version
03.9465.40BDA
03.9465.14BDA
Mains Dimming
03.9465.40ANI
03.9465.14ANI
Casambi
03.9465.40ACB
03.9465.14ACB
Non Dimmable
03.9466.40A
03.9466.14A
Dali & Push Version
03.9466.40BDA
03.9466.14BDA
Mains Dimming
03.9466.40ANI
03.9466.14ANI
Casambi
03.9466.40ACB
03.9466.14ACB
Non Dimmable
05.1760.40A
05.1760.14A
Dali & Push Version
05.1760.40BDA
05.1760.14BDA
Mains Dimming
05.1760.40ANI
05.1760.14ANI
Casambi
05.1760.40ACB
05.1760.14ACB
Non Dimmable
05.1761.40A
05.1761.14A
Dali & Push Version
05.1761.40BDA
05.1761.14BDA
Mains Dimming
05.1761.40ANI
05.1761.14ANI
Casambi
05.1761.40ACB
05.1761.14ACB
Non Dimmable
05.1762.40A
05.1762.14A
Dali & Push Version
05.1762.40BDA
05.1762.14BDA
Mains Dimming
05.1762.40ANI
05.1762.14ANI
Casambi
05.1762.40ACB
05.1762.14ACB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA



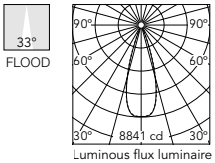
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	6824	0.59
2	1706	1.18
3	758	1.78
4	427	2.37
5	273	2.96

Luminous flux luminaire
2189 lm (EXTREME CUT OFF)
@White (40) 750mA

Optic Flood 3000K

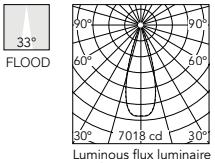
E I Non Dimmable
03.9475.40A
03.9475.14A
Dali & Push Version
03.9475.40BDA
03.9475.14BDA
Mains Dimming
03.9475.40ANI
03.9475.14ANI
Casambi
03.9475.40ACB
03.9475.14ACB
Non Dimmable
03.9476.40A
03.9476.14A
Dali & Push Version
03.9476.40BDA
03.9476.14BDA
Mains Dimming
03.9476.40ANI
03.9476.14ANI
Casambi
03.9476.40ACB
03.9476.14ACB
Non Dimmable
05.1765.40A
05.1765.14A
Dali & Push Version
05.1765.40BDA
05.1765.14BDA
Mains Dimming
05.1765.40ANI
05.1765.14ANI
Casambi
05.1765.40ACB
05.1765.14ACB
Non Dimmable
05.1766.40A
05.1766.14A
Dali & Push Version
05.1766.40BDA
05.1766.14BDA
Mains Dimming
05.1766.40ANI
05.1766.14ANI
Casambi
05.1766.40ACB
05.1766.14ACB
Non Dimmable
05.1767.40A
05.1767.14A
Dali & Push Version
05.1767.40BDA
05.1767.14BDA
Mains Dimming
05.1767.40ANI
05.1767.14ANI
Casambi
05.1767.40ACB
05.1767.14ACB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8841	0.59
2	2210	1.18
3	982	1.78
4	553	2.37
5	354	2.96

Luminous flux luminaire
2836 lm (EXTREME CUT OFF)
@White (40) 900mA



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	7011	0.59
2	1753	1.18
3	779	1.78
4	438	2.37
5	280	2.96

Luminous flux luminaire
2249 lm (EXTREME CUT OFF)
@White (40) 750mA

Optic Wide Flood 2700K

E I Non Dimmable

03.7374.40A
03.7374.14A

Dali & Push Version

03.7374.40BDA
03.7374.14BDA

Mains Dimming

03.7374.40ANI
03.7374.14ANI

Casambi

03.7374.40ACB
03.7374.14ACB

Non Dimmable

03.7375.40A
03.7375.14A

Dali & Push Version

03.7375.40BDA
03.7375.14BDA

Mains Dimming

03.7375.40ANI
03.7375.14ANI

Casambi

03.7375.40ACB
03.7375.14ACB

Non Dimmable

05.1770.40A
05.1770.14A

Dali & Push Version

05.1770.40BDA
05.1770.14BDA

Mains Dimming

05.1770.40ANI
05.1770.14ANI

Casambi

05.1770.40ACB
05.1770.14ACB

Non Dimmable

05.1771.40A
05.1771.14A

Dali & Push Version

05.1771.40BDA
05.1771.14BDA

Mains Dimming

05.1771.40ANI
05.1771.14ANI

Casambi

05.1771.40ACB
05.1771.14ACB

Non Dimmable

05.1772.40A
05.1772.14A

Dali & Push Version

05.1772.40BDA
05.1772.14BDA

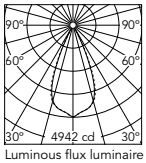
Mains Dimming

05.1772.40ANI
05.1772.14ANI

Casambi

05.1772.40ACB
05.1772.14ACB

45° WIDE FLOOD

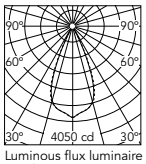


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

45° WIDE FLOOD



Luminous flux luminaire
2173 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	4050	0.83
2	1012	1.67
3	450	2.50
4	253	3.34
5	162	4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.7378.40A
03.7378.14A

Dali & Push Version

03.7378.40BDA
03.7378.14BDA

Mains Dimming

03.7378.40ANI
03.7378.14ANI

Casambi

03.7378.40ACB
03.7378.14ACB

Non Dimmable

03.7379.40A
03.7379.14A

Dali & Push Version

03.7379.40BDA
03.7379.14BDA

Mains Dimming

03.7379.40ANI
03.7379.14ANI

Casambi

03.7379.40ACB
03.7379.14ACB

Non Dimmable

05.1775.40A
05.1775.14A

Dali & Push Version

05.1775.40BDA
05.1775.14BDA

Mains Dimming

05.1775.40ANI
05.1775.14ANI

Casambi

05.1775.40ACB
05.1775.14ACB

Non Dimmable

05.1776.40A
05.1776.14A

Dali & Push Version

05.1776.40BDA
05.1776.14BDA

Mains Dimming

05.1776.40ANI
05.1776.14ANI

Casambi

05.1776.40ACB
05.1776.14ACB

Non Dimmable

05.1777.40A
05.1777.14A

Dali & Push Version

05.1777.40BDA
05.1777.14BDA

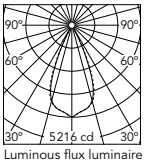
Mains Dimming

05.1777.40ANI
05.1777.14ANI

Casambi

05.1777.40ACB
05.1777.14ACB

45° WIDE FLOOD

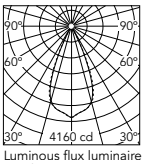


Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	5216	0.83
2	1304	1.67
3	580	2.50
4	326	3.34
5	209	4.17

45° WIDE FLOOD



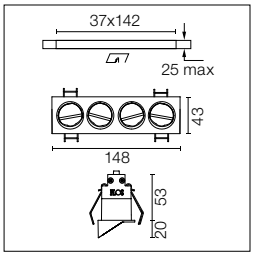
Luminous flux luminaire
2232 lm (EXTREME CUT OFF)

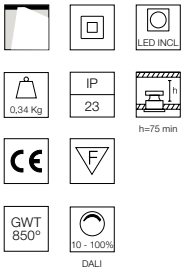
@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	4160	0.83
2	1040	1.67
3	462	2.50
4	260	3.34
5	166	4.17

Light Shadow Wall-Washer Trim 4 Spots

Power LED 1 DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Einbauleuchte mit 4 LED-Strahlern. Fernbedienung inklusive (220-240V). Vorinstallationsrahmen nicht erforderlich.

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

2700K

- 03.9901.40A
- 03.9901.14A

Dali Version

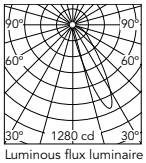
- 03.9901.40BDA
- 03.9901.14BDA

Mains Dimming

- 03.9901.40ANI
- 03.9901.14ANI

Casambi

- 03.9901.40ACB
- 03.9901.14ACB



Luminous flux luminaire
690 lm (EXTREME CUT OFF)

@Black (14)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	978	0.50
2	244	0.99
3	109	1.49
4	61	1.99
5	39	2.48

3000K

- 03.9900.40A
- 03.9900.14A

Dali Version

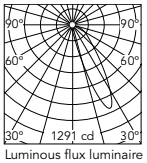
- 03.9900.40BDA
- 03.9900.14BDA

Mains Dimming

- 03.9900.40ANI
- 03.9900.14ANI

Casambi

- 03.9900.40ACB
- 03.9900.14ACB



Luminous flux luminaire
696 lm (EXTREME CUT OFF)

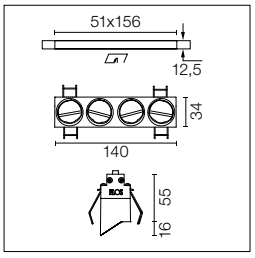
@Black (14)

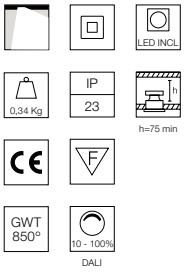
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	986	0.50
2	247	0.99
3	110	1.49
4	62	1.99
5	39	2.48

Light Shadow Wall-Washer No Trim 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Einbauleuchte mit 4 LED-Strahlern. Fernbedienung inklusive (220-240V). Vorinstallationsrahmen erforderlich, separat zu bestellen (08.0511.00).

Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately (08.0511.00).

2700K

- 03.9903.40A
- 03.9903.14A

Dali Version

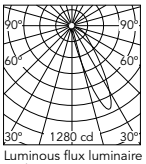
- 03.9903.40BDA
- 03.9903.14BDA

Mains Dimming

- 03.9903.40ANI
- 03.9903.14ANI

Casambi

- 03.9903.40ACB
- 03.9903.14ACB



Luminous flux luminaire
690 lm (EXTREME CUT OFF)

@Black (14)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	978	0.50
2	244	0.99
3	109	1.49
4	61	1.99
5	39	2.48

3000K

- 03.9902.40A
- 03.9902.14A

Dali Version

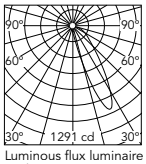
- 03.9902.40BDA
- 03.9902.14BDA

Mains Dimming

- 03.9902.40ANI
- 03.9902.14ANI

Casambi

- 03.9902.40ACB
- 03.9902.14ACB



Luminous flux luminaire
696 lm (EXTREME CUT OFF)

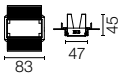
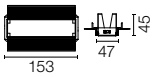
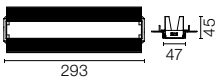
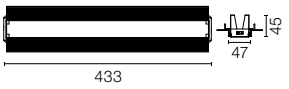
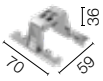
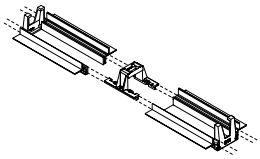
@Black (14)

Beam Angle: 22°

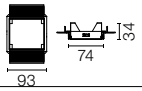
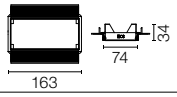
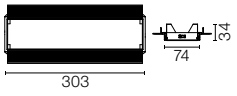
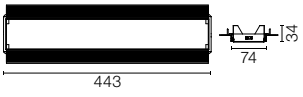
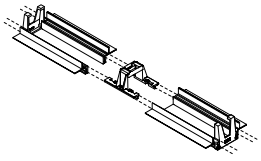
h(m)	E(lx)	D(m)
1	986	0.50
2	247	0.99
3	110	1.49
4	62	1.99
5	39	2.48

Zubehör / Accessories

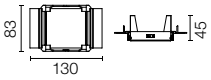
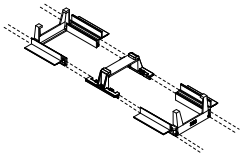
Light Shadow Fixed & Wall-Washer No Trim

Montagerahmen.	Pre-installation frame.			2L 08.0510.00
Montagerahmen.	Pre-installation frame.			4L 08.0511.00
Montagerahmen.	Pre-installation frame.			8L 08.0512.00
Montagerahmen.	Pre-installation frame.			12L 08.0513.00
Zubehör für die Montage in fortlaufender Reihe No Trim. Jedes Zubehörteil ermöglicht den Anschluss von zwei No-Trim-Rahmen für die Vorinstallation.	Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation frames.			08.0052.90

Light Shadow Adjustable No Trim

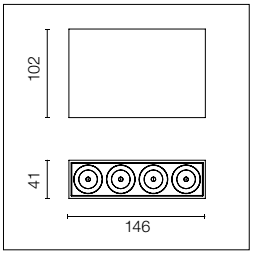
Montagerahmen.	Pre-installation frame.			2L 08.0515.00
Montagerahmen.	Pre-installation frame.			4L 08.0516.00
Montagerahmen.	Pre-installation frame.			8L 08.0517.00
Montagerahmen.	Pre-installation frame.			12L 08.0518.00
Zubehör für die Montage in fortlaufender Reihe No Trim. Jedes Zubehörteil ermöglicht die Verbindung zwischen zwei linearen No Trim-Voreinbaurahmen.	Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation linear frames.			08.0059.90

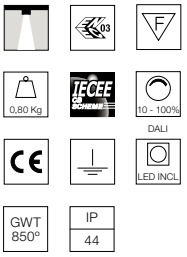
Light Shadow Fixed No Trim Square

Montagerahmen. Jedes Zubehörteil ermöglicht die Verbindung zwischen zwei eckigen No Trim-Voreinbaurahmen.	Pre-installation frame. Each accessory allows connection between two No Trim pre-installation square frames.			4L 08.0269.00
Zubehör für die Montage in fortlaufender Reihe No Trim. Jedes Zubehörteil ermöglicht den Anschluss von zwei No-Trim-Rahmen für die Vorinstallation.	Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation frames.			4L 08.0270.00

Light Shadow Surface 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Aufsatzleuchte mit 4 LED-Leuchten. Netzteil 220-240V in der Leuchte integriert.

E= Außenfarbe
I= Innenfarbe
B= Box-Ausführung

Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

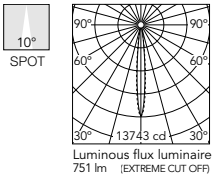
E= External Finish
I= Internal Finish
B= Box Finish

Optic Spot 2700K

B E I

Non Dimmable
03.8956.40A
03.8956.14A
03.8957.40A
03.8957.14A
05.2102.40A
05.2103.40A

Dali Version
03.8956.40ADA
03.8956.14ADA
03.8957.40ADA
03.8957.14ADA
05.2102.40ADA
05.2103.40ADA



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

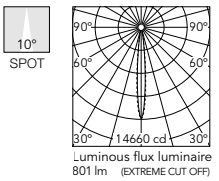
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

B E I

Non Dimmable
03.8960.40A
03.8960.14A
03.8961.40A
03.8961.14A
05.2107.40A
05.2108.40A

Dali Version
03.8960.40ADA
03.8960.14ADA
03.8961.40ADA
03.8961.14ADA
05.2107.40ADA
05.2108.40ADA



Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Non Dimmable
03.8965.14A
03.8965.40A
03.8964.14A
03.8964.40A
05.2142.14A
05.2143.14A

Dali Version
03.8965.14ADA
03.8965.40ADA
03.8964.14ADA
03.8964.40ADA
05.2142.14ADA
05.2143.14ADA

Non Dimmable
03.8969.14A
03.8969.40A
03.8968.14A
03.8968.40A
05.2147.14A
05.2148.14A

Dali Version
03.8969.14ADA
03.8969.40ADA
03.8968.14ADA
03.8968.40ADA
05.2147.14ADA
05.2148.14ADA

Non Dimmable
05.2300.14A
05.2301.14A

Dali Version
05.2300.14ADA
05.2301.14ADA

Non Dimmable
05.2305.14A
05.2306.14A

Dali Version
05.2305.14ADA
05.2306.14ADA

Non Dimmable
05.2340.14A
05.2341.14A

Dali Version
05.2340.14ADA
05.2341.14ADA

Non Dimmable
05.2345.14A
05.2346.14A

Dali Version
05.2345.14ADA
05.2346.14ADA

Non Dimmable
05.2200.14A
05.2201.14A

Dali Version
05.2200.14ADA
05.2201.14ADA

Non Dimmable
05.2205.14A
05.2206.14A

Dali Version
05.2205.14ADA
05.2206.14ADA

Non Dimmable
05.2240.14A
05.2241.14A

Dali Version
05.2240.14ADA
05.2241.14ADA

Non Dimmable
05.2245.14A
05.2246.14A

Dali Version
05.2245.14ADA
05.2246.14ADA

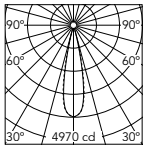
Optic Medium 2700K

B E I

Non Dimmable
03.9720.40A
03.9720.14A
03.9721.40A
03.9721.14A
05.2112.40A
05.2113.40A

Dali Version
03.9720.40ADA
03.9720.14ADA
03.9721.40ADA
03.9721.14ADA
05.2112.40ADA
05.2113.40ADA

22°
MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Non Dimmable
03.9821.14A
03.9821.40A
03.9820.14A
03.9820.40A
05.2152.14A
05.2153.14A

Dali Version
03.9821.14ADA
03.9821.40ADA
03.9820.14ADA
03.9820.40ADA
05.2152.14ADA
05.2153.14ADA

Non Dimmable
05.2310.14A
05.2311.14A

Dali Version
05.2310.14ADA
05.2311.14ADA

Non Dimmable
05.2350.14A
05.2351.14A

Dali Version
05.2350.14ADA
05.2351.14ADA

Non Dimmable
05.2210.14A
05.2211.14A

Dali Version
05.2210.14ADA
05.2211.14ADA

Non Dimmable
05.2250.14A
05.2251.14A

Dali Version
05.2250.14ADA
05.2251.14ADA

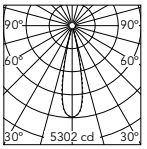
Optic Medium 3000K

B E I

Non Dimmable
03.9730.40A
03.9730.14A
03.9731.40A
03.9731.14A
05.2117.40A
05.2118.40A

Dali Version
03.9730.40ADA
03.9730.14ADA
03.9731.40ADA
03.9731.14ADA
05.2117.40ADA
05.2118.40ADA

22°
MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Non Dimmable
03.9831.14A
03.9831.40A
03.9830.14A
03.9830.40A
05.2157.14A
05.2158.14A

Dali Version
03.9831.14ADA
03.9831.40ADA
03.9830.14ADA
03.9830.40ADA
05.2157.14ADA
05.2158.14ADA

Non Dimmable
05.2315.14A
05.2316.14A

Dali Version
05.2315.14ADA
05.2316.14ADA

Non Dimmable
05.2355.14A
05.2356.14A

Dali Version
05.2355.14ADA
05.2356.14ADA

Non Dimmable
05.2215.14A
05.2216.14A

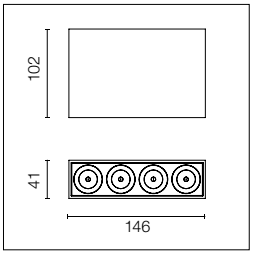
Dali Version
05.2215.14ADA
05.2216.14ADA

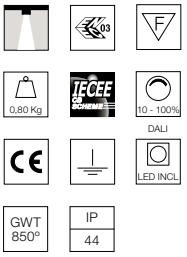
Non Dimmable
05.2255.14A
05.2256.14A

Dali Version
05.2255.14ADA
05.2256.14ADA

Light Shadow Surface 4 Spots

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90





Aufsatzleuchte mit 4 LED-Leuchten. Netzteil 220-240V in der Leuchte integriert.

E= Außenfarbe
I= Innenfarbe
B= Box-Ausführung

Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

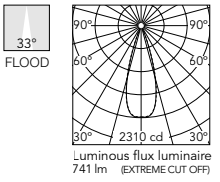
E= External Finish
I= Internal Finish
B= Box Finish

Optic Flood 2700K

B E I

Non Dimmable
03.9725.40A
03.9725.14A
03.9726.40A
03.9726.14A
05.2122.40A
05.2123.40A

Dali Version
03.9725.40ADA
03.9725.14ADA
03.9726.40ADA
03.9726.14ADA
05.2122.40ADA
05.2123.40ADA



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Non Dimmable
03.9826.14A
03.9826.40A
03.9825.14A
03.9825.40A
05.2162.14A
05.2163.14A

Dali Version
03.9826.14ADA
03.9826.40ADA
03.9825.14ADA
03.9825.40ADA
05.2162.14ADA
05.2163.14ADA

Non Dimmable
05.2320.14A
05.2321.14A

Dali Version
05.2320.14ADA
05.2321.14ADA

Non Dimmable
05.2360.14A
05.2361.14A

Dali Version
05.2360.14ADA
05.2361.14ADA

Non Dimmable
05.2220.14A
05.2221.14A

Dali Version
05.2220.14ADA
05.2221.14ADA

Non Dimmable
05.2260.14A
05.2261.14A

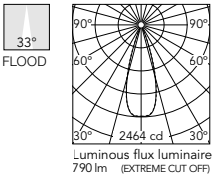
Dali Version
05.2260.14ADA
05.2261.14ADA

Optic Flood 3000K

B E I

Non Dimmable
03.9735.40A
03.9735.14A
03.9736.40A
03.9736.14A
05.2127.40A
05.2128.40A

Dali Version
03.9735.40ADA
03.9735.14ADA
03.9736.40ADA
03.9736.14ADA
05.2127.40ADA
05.2128.40ADA



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Non Dimmable
03.9836.14A
03.9836.40A
03.9835.14A
03.9835.40A
05.2167.14A
05.2168.14A

Dali Version
03.9836.14ADA
03.9836.40ADA
03.9835.14ADA
03.9835.40ADA
05.2167.14ADA
05.2168.14ADA

Non Dimmable
05.2325.14A
05.2326.14A

Dali Version
05.2325.14ADA
05.2326.14ADA

Non Dimmable
05.2365.14A
05.2366.14A

Dali Version
05.2365.14ADA
05.2366.14ADA

Non Dimmable
05.2225.14A
05.2226.14A

Dali Version
05.2225.14ADA
05.2226.14ADA

Non Dimmable
05.2265.14A
05.2266.14A

Dali Version
05.2265.14ADA
05.2266.14ADA

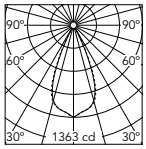
Optic Wide Flood 2700K

B E I

Non Dimmable
03.9760.40A
03.9760.14A
03.9761.40A
03.9761.14A
05.2132.40A
05.2133.40A

Dali Version
03.9760.40ADA
03.9760.14ADA
03.9761.40ADA
03.9761.14ADA
05.2132.40ADA
05.2133.40ADA

WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Non Dimmable
03.9861.14A
03.9861.40A
03.9860.14A
03.9860.40A
05.2172.14A
05.2173.14A

Dali Version
03.9861.14ADA
03.9861.40ADA
03.9860.14ADA
03.9860.40ADA
05.2172.14ADA
05.2173.14ADA

Non Dimmable
05.2330.14A
05.2331.14A

Dali Version
05.2330.14ADA
05.2331.14ADA

Non Dimmable
05.2370.14A
05.2371.14A

Dali Version
05.2370.14ADA
05.2371.14ADA

Non Dimmable
05.2230.14A
05.2231.14A

Dali Version
05.2230.14ADA
05.2231.14ADA

Non Dimmable
05.2270.14A
05.2271.14A

Dali Version
05.2270.14ADA
05.2271.14ADA

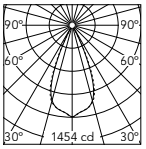
Optic Wide Flood 3000K

B E I

Non Dimmable
03.9764.40A
03.9764.14A
03.9765.40A
03.9765.14A
05.2137.40A
05.2138.40A

Dali Version
03.9764.40ADA
03.9764.14ADA
03.9765.40ADA
03.9765.14ADA
05.2137.40ADA
05.2138.40ADA

WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Non Dimmable
03.9865.14A
03.9865.40A
03.9864.14A
03.9864.40A
05.2177.14A
05.2178.14A

Dali Version
03.9865.14ADA
03.9865.40ADA
03.9864.14ADA
03.9864.40ADA
05.2177.14ADA
05.2178.14ADA

Non Dimmable
05.2335.14A
05.2336.14A

Dali Version
05.2335.14ADA
05.2336.14ADA

Non Dimmable
05.2375.14A
05.2376.14A

Dali Version
05.2375.14ADA
05.2376.14ADA

Non Dimmable
05.2235.14A
05.2236.14A

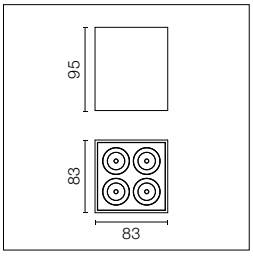
Dali Version
05.2235.14ADA
05.2236.14ADA

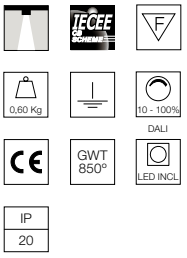
Non Dimmable
05.2275.14A
05.2276.14A

Dali Version
05.2275.14ADA
05.2276.14ADA

Light Shadow Surface 4 Spots Square

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90
Mains dimming: Power LED DC 700 mA 9W - 825 lm - 2700K/CRI 90 / 9W - 840 lm - 3000K/CRI 90





Aufsatzleuchte mit 4 LED-Leuchten. Netzteil 220-240V in der Leuchte integriert.

E= Außenfarbe
I= Innenfarbe
B= Box-Ausführung

Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Optic Spot 2700K

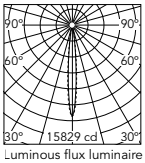
B E I

Non Dimmable
05.0700.40
05.0700.14
05.0701.40
05.0701.14
05.0702.40
05.0703.40

Dali Version
05.0700.40.DA
05.0700.14.DA
05.0701.40.DA
05.0701.14.DA
05.0702.40.DA
05.0703.40.DA

Mains Dimming
05.0700.40.NI
05.0700.14.NI
05.0701.40.NI
05.0701.14.NI
05.0702.40.NI
05.0703.40.NI

10° SPOT

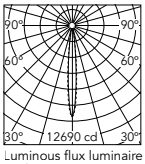


Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

Luminous flux luminaire
865 lm (EXTREME CUT OFF)

@White (40) 900mA

10° SPOT



Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	12690	0.17
2	3173	0.35
3	1410	0.52
4	793	0.70
5	508	0.87

Luminous flux luminaire
694 lm (EXTREME CUT OFF)

@White (40) 700mA

Optic Spot 3000K

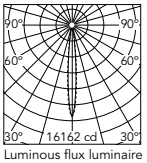
B E I

Non Dimmable
05.0705.40
05.0705.14
05.0706.40
05.0706.14
05.0707.40
05.0708.40

Dali Version
05.0705.40.DA
05.0705.14.DA
05.0706.40.DA
05.0706.14.DA
05.0707.40.DA
05.0708.40.DA

Mains Dimming
05.0705.40.NI
05.0705.14.NI
05.0706.40.NI
05.0706.14.NI
05.0707.40.NI
05.0708.40.NI

10° SPOT

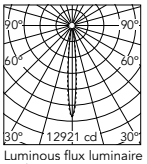


Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

Luminous flux luminaire
883 lm (EXTREME CUT OFF)

@White (40) 900mA

10° SPOT



Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	12921	0.17
2	3230	0.35
3	1436	0.52
4	808	0.70
5	517	0.87

Luminous flux luminaire
706 lm (EXTREME CUT OFF)

@White (40) 700mA

Non Dimmable
05.0741.14
05.0741.40
05.0740.14
05.0740.40
05.0742.14
05.0743.14

Dali Version
05.0741.14.DA
05.0741.40.DA
05.0740.14.DA
05.0740.40.DA
05.0742.14.DA
05.0743.14.DA

Mains Dimming
05.0741.14.NI
05.0741.40.NI
05.0740.14.NI
05.0740.40.NI
05.0742.14.NI
05.0743.14.NI

Non Dimmable
05.0746.14
05.0746.40
05.0745.14
05.0745.40
05.0747.14
05.0748.14

Dali Version
05.0746.14.DA
05.0746.40.DA
05.0745.14.DA
05.0745.40.DA
05.0747.14.DA
05.0748.14.DA

Mains Dimming
05.0746.14.NI
05.0746.40.NI
05.0745.14.NI
05.0745.40.NI
05.0747.14.NI
05.0748.14.NI

Non Dimmable
05.0900.14
05.0901.14

Dali Version
05.0900.14.DA
05.0901.14.DA

Mains Dimming
05.0900.14.NI
05.0901.14.NI

B E I

Non Dimmable
05.0800.14
05.0801.14

Dali Version
05.0800.14.DA
05.0801.14.DA

Mains Dimming
05.0800.14.NI
05.0801.14.NI

Non Dimmable
05.0905.14
05.0906.14

Dali Version
05.0905.14.DA
05.0906.14.DA

Mains Dimming
05.0905.14.NI
05.0906.14.NI

B E I

Non Dimmable
05.0805.14
05.0806.14

Dali Version
05.0805.14.DA
05.0806.14.DA

Mains Dimming
05.0805.14.NI
05.0806.14.NI

Non Dimmable
05.0940.14
05.0941.14

Dali Version
05.0940.14.DA
05.0941.14.DA

Mains Dimming
05.0940.14.NI
05.0941.14.NI

Non Dimmable
05.0840.14
05.0841.14

Dali Version
05.0840.14.DA
05.0841.14.DA

Mains Dimming
05.0840.14.NI
05.0841.14.NI

Non Dimmable
05.0945.14
05.0946.14

Dali Version
05.0945.14.DA
05.0946.14.DA

Mains Dimming
05.0945.14.NI
05.0946.14.NI

Non Dimmable
05.0845.14
05.0846.14

Dali Version
05.0845.14.DA
05.0846.14.DA

Mains Dimming
05.0845.14.NI
05.0846.14.NI

LIGHT SHADOW

Optic Medium 2700K

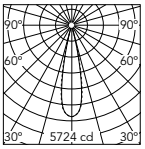
B E I

Non Dimmable
05.0710.40
05.0710.14
05.0711.40
05.0711.14
05.0712.40
05.0713.40

Dali Version
05.0710.40.DA
05.0710.14.DA
05.0711.40.DA
05.0711.14.DA
05.0712.40.DA
05.0713.40.DA

Mains Dimming
05.0710.40.NI
05.0710.14.NI
05.0711.40.NI
05.0711.14.NI
05.0712.40.NI
05.0713.40.NI

22°
MEDIUM



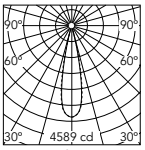
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5724	0.39
2	1431	0.78
3	636	1.17
4	358	1.56
5	229	1.95

Luminous flux luminaire
856 lm (EXTREME CUT OFF)

@White (40) 900mA

22°
MEDIUM



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4589	0.39
2	1147	0.78
3	510	1.17
4	287	1.56
5	184	1.95

Luminous flux luminaire
686 lm (EXTREME CUT OFF)

@White (40) 700mA

Non Dimmable
05.0751.14
05.0751.40
05.0750.14
05.0750.40
05.0752.14
05.0753.14

Dali Version
05.0751.14.DA
05.0751.40.DA
05.0750.14.DA
05.0750.40.DA
05.0752.14.DA
05.0753.14.DA

Mains Dimming
05.0751.14.NI
05.0751.40.NI
05.0750.14.NI
05.0750.40.NI
05.0752.14.NI
05.0753.14.NI

Non Dimmable
05.0910.14
05.0911.14

Dali Version
05.0910.14.DA
05.0911.14.DA

Mains Dimming
05.0910.14.NI
05.0911.14.NI

Non Dimmable
05.0950.14
05.0951.14

Dali Version
05.0950.14.DA
05.0951.14.DA

Mains Dimming
05.0950.14.NI
05.0951.14.NI

Non Dimmable
05.0810.14
05.0811.14

Dali Version
05.0810.14.DA
05.0811.14.DA

Mains Dimming
05.0810.14.NI
05.0811.14.NI

Non Dimmable
05.0850.14
05.0851.14

Dali Version
05.0850.14.DA
05.0851.14.DA

Mains Dimming
05.0850.14.NI
05.0851.14.NI

Optic Medium 3000K

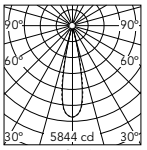
B E I

Non Dimmable
05.0715.40
05.0715.14
05.0716.40
05.0716.14
05.0717.40
05.0718.40

Dali Version
05.0715.40.DA
05.0715.14.DA
05.0716.40.DA
05.0716.14.DA
05.0717.40.DA
05.0718.40.DA

Mains Dimming
05.0715.40.NI
05.0715.14.NI
05.0716.40.NI
05.0716.14.NI
05.0717.40.NI
05.0718.40.NI

22°
MEDIUM



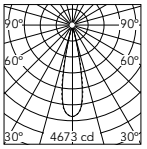
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

Luminous flux luminaire
874 lm (EXTREME CUT OFF)

@White (40) 900mA

22°
MEDIUM



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4673	0.39
2	1168	0.78
3	519	1.17
4	292	1.56
5	187	1.95

Luminous flux luminaire
699 lm (EXTREME CUT OFF)

@White (40) 700mA

Non Dimmable
05.0756.14
05.0756.40
05.0755.14
05.0755.40
05.0757.14
05.0758.14

Dali Version
05.0756.14.DA
05.0756.40.DA
05.0755.14.DA
05.0755.40.DA
05.0757.14.DA
05.0758.14.DA

Mains Dimming
05.0756.14.NI
05.0756.40.NI
05.0755.14.NI
05.0755.40.NI
05.0757.14.NI
05.0758.14.NI

Non Dimmable
05.0915.14
05.0916.14

Dali Version
05.0915.14.DA
05.0916.14.DA

Mains Dimming
05.0915.14.NI
05.0916.14.NI

Non Dimmable
05.0955.14
05.0956.14

Dali Version
05.0955.14.DA
05.0956.14.DA

Mains Dimming
05.0955.14.NI
05.0956.14.NI

Non Dimmable
05.0815.14
05.0816.14

Dali Version
05.0815.14.DA
05.0816.14.DA

Mains Dimming
05.0815.14.NI
05.0816.14.NI

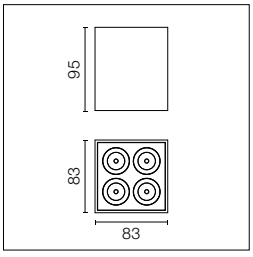
Non Dimmable
05.0855.14
05.0856.14

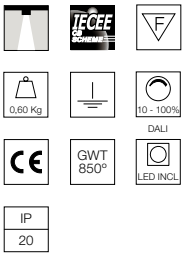
Dali Version
05.0855.14.DA
05.0856.14.DA

Mains Dimming
05.0855.14.NI
05.0856.14.NI

Light Shadow Surface 4 Spots Square

Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90
Mains dimming: Power LED DC 700 mA 9W - 825 lm - 2700K/CRI 90 / 9W - 840 lm - 3000K/CRI 90





Aufsatzleuchte mit 4 LED-Leuchten. Netzteil 220-240V in der Leuchte integriert.

E= Außenfarbe
I= Innenfarbe
B= Box-Ausführung

Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Optic Flood 2700K

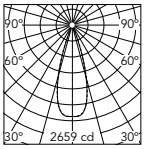
B E I

Non Dimmable
05.0720.40
05.0720.14
05.0721.40
05.0721.14
05.0722.40
05.0723.40

Dali Version
05.0720.40.DA
05.0720.14.DA
05.0721.40.DA
05.0721.14.DA
05.0722.40.DA
05.0723.40.DA

Mains Dimming
05.0720.40.NI
05.0720.14.NI
05.0721.40.NI
05.0721.14.NI
05.0722.40.NI
05.0723.40.NI

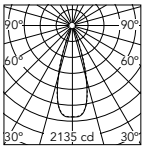
33° FLOOD



Luminous flux luminaire
853 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	2659	0.59
2	665	1.18
3	295	1.78
4	166	2.37
5	107	2.96

33° FLOOD



Luminous flux luminaire
684 lm (EXTREME CUT OFF)
@White (40) 700mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	2133	0.59
2	533	1.18
3	237	1.78
4	133	2.37
5	85	2.96

Optic Flood 3000K

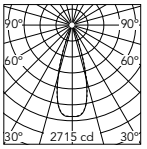
B E I

Non Dimmable
05.0725.40
05.0725.14
05.0726.40
05.0726.14
05.0727.40
05.0728.40

Dali Version
05.0725.40.DA
05.0725.14.DA
05.0726.40.DA
05.0726.14.DA
05.0727.40.DA
05.0728.40.DA

Mains Dimming
05.0725.40.NI
05.0725.14.NI
05.0726.40.NI
05.0726.14.NI
05.0727.40.NI
05.0728.40.NI

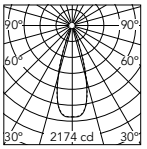
33° FLOOD



Luminous flux luminaire
871 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

33° FLOOD



Luminous flux luminaire
697 lm (EXTREME CUT OFF)
@White (40) 700mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	2172	0.59
2	543	1.18
3	241	1.78
4	136	2.37
5	87	2.96

Non Dimmable
05.0761.14
05.0761.40
05.0760.14
05.0760.40
05.0762.14
05.0763.14

Dali Version
05.0761.14.DA
05.0761.40.DA
05.0760.14.DA
05.0760.40.DA
05.0762.14.DA
05.0763.14.DA

Mains Dimming
05.0761.14.NI
05.0761.40.NI
05.0760.14.NI
05.0760.40.NI
05.0762.14.NI
05.0763.14.NI

Non Dimmable
05.0766.14
05.0766.40
05.0765.14
05.0765.40
05.0767.14
05.0768.14

Dali Version
05.0766.14.DA
05.0766.40.DA
05.0765.14.DA
05.0765.40.DA
05.0767.14.DA
05.0768.14.DA

Mains Dimming
05.0766.14.NI
05.0766.40.NI
05.0765.14.NI
05.0765.40.NI
05.0767.14.NI
05.0768.14.NI

Non Dimmable
05.0920.14
05.0921.14

Dali Version
05.0920.14.DA
05.0921.14.DA

Mains Dimming
05.0920.14.NI
05.0921.14.NI

B E I

Non Dimmable
05.0820.14
05.0821.14

Dali Version
05.0820.14.DA
05.0821.14.DA

Mains Dimming
05.0820.14.NI
05.0821.14.NI

Non Dimmable
05.0925.14
05.0926.14

Dali Version
05.0925.14.DA
05.0926.14.DA

Mains Dimming
05.0925.14.NI
05.0926.14.NI

B E I

Non Dimmable
05.0825.14
05.0826.14

Dali Version
05.0825.14.DA
05.0826.14.DA

Mains Dimming
05.0825.14.NI
05.0826.14.NI

Non Dimmable
05.0960.14
05.0961.14

Dali Version
05.0960.14.DA
05.0961.14.DA

Mains Dimming
05.0960.14.NI
05.0961.14.NI

Non Dimmable
05.0860.14
05.0861.14

Dali Version
05.0860.14.DA
05.0861.14.DA

Mains Dimming
05.0860.14.NI
05.0861.14.NI

Non Dimmable
05.0965.14
05.0966.14

Dali Version
05.0965.14.DA
05.0966.14.DA

Mains Dimming
05.0965.14.NI
05.0966.14.NI

Non Dimmable
05.0865.14
05.0866.14

Dali Version
05.0865.14.DA
05.0866.14.DA

Mains Dimming
05.0865.14.NI
05.0866.14.NI

LIGHT SHADOW

Optic Wide Flood
2700K

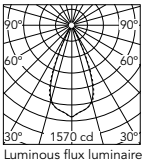
B E I

Non Dimmable
05.0730.40
05.0730.14
05.0731.40
05.0731.14
05.0732.40
05.0733.40

Dali Version
05.0730.40.DA
05.0730.14.DA
05.0731.40.DA
05.0731.14.DA
05.0732.40.DA
05.0733.40.DA

Mains Dimming
05.0730.40.NI
05.0730.14.NI
05.0731.40.NI
05.0731.14.NI
05.0732.40.NI
05.0733.40.NI

45°
WIDE FLOOD



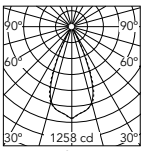
Luminous flux luminaire
842 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1570	0.83
2	392	1.67
3	174	2.50
4	98	3.34
5	63	4.17

45°
WIDE FLOOD



Luminous flux luminaire
675 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1258	0.83
2	315	1.67
3	140	2.50
4	79	3.34
5	50	4.17

Non Dimmable
05.0771.14
05.0771.40
05.0770.14
05.0770.40
05.0772.14
05.0773.14

Dali Version
05.0771.14.DA
05.0771.40.DA
05.0770.14.DA
05.0770.40.DA
05.0772.14.DA
05.0773.14.DA

Mains Dimming
05.0771.14.NI
05.0771.40.NI
05.0770.14.NI
05.0770.40.NI
05.0772.14.NI
05.0773.14.NI

Non Dimmable
05.0930.14
05.0931.14

Dali Version
05.0930.14.DA
05.0931.14.DA

Mains Dimming
05.0930.14.NI
05.0931.14.NI

Non Dimmable
05.0970.14
05.0971.14

Dali Version
05.0970.14.DA
05.0971.14.DA

Mains Dimming
05.0970.14.NI
05.0971.14.NI

Non Dimmable
05.0830.14
05.0831.14

Dali Version
05.0830.14.DA
05.0831.14.DA

Mains Dimming
05.0830.14.NI
05.0831.14.NI

Non Dimmable
05.0870.14
05.0871.14

Dali Version
05.0870.14.DA
05.0871.14.DA

Mains Dimming
05.0870.14.NI
05.0871.14.NI

Optic Wide Flood
3000K

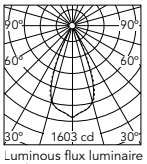
B E I

Non Dimmable
05.0735.40
05.0735.14
05.0736.40
05.0736.14
05.0737.40
05.0738.40

Dali Version
05.0735.40.DA
05.0735.14.DA
05.0736.40.DA
05.0736.14.DA
05.0737.40.DA
05.0738.40.DA

Mains Dimming
05.0735.40.NI
05.0735.14.NI
05.0736.40.NI
05.0736.14.NI
05.0737.40.NI
05.0738.40.NI

45°
WIDE FLOOD



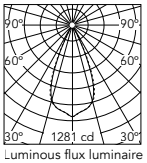
Luminous flux luminaire
860 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

45°
WIDE FLOOD



Luminous flux luminaire
688 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1281	0.83
2	320	1.67
3	142	2.50
4	80	3.34
5	51	4.17

Non Dimmable
05.0776.14
05.0776.40
05.0775.14
05.0775.40
05.0777.14
05.0778.14

Dali Version
05.0776.14.DA
05.0776.40.DA
05.0775.14.DA
05.0775.40.DA
05.0777.14.DA
05.0778.14.DA

Mains Dimming
05.0776.14.NI
05.0776.40.NI
05.0775.14.NI
05.0775.40.NI
05.0777.14.NI
05.0778.14.NI

Non Dimmable
05.0935.14
05.0936.14

Dali Version
05.0935.14.DA
05.0936.14.DA

Mains Dimming
05.0935.14.NI
05.0936.14.NI

Non Dimmable
05.0975.14
05.0976.14

Dali Version
05.0975.14.DA
05.0976.14.DA

Mains Dimming
05.0975.14.NI
05.0976.14.NI

Non Dimmable
05.0835.14
05.0836.14

Dali Version
05.0835.14.DA
05.0836.14.DA

Mains Dimming
05.0835.14.NI
05.0836.14.NI

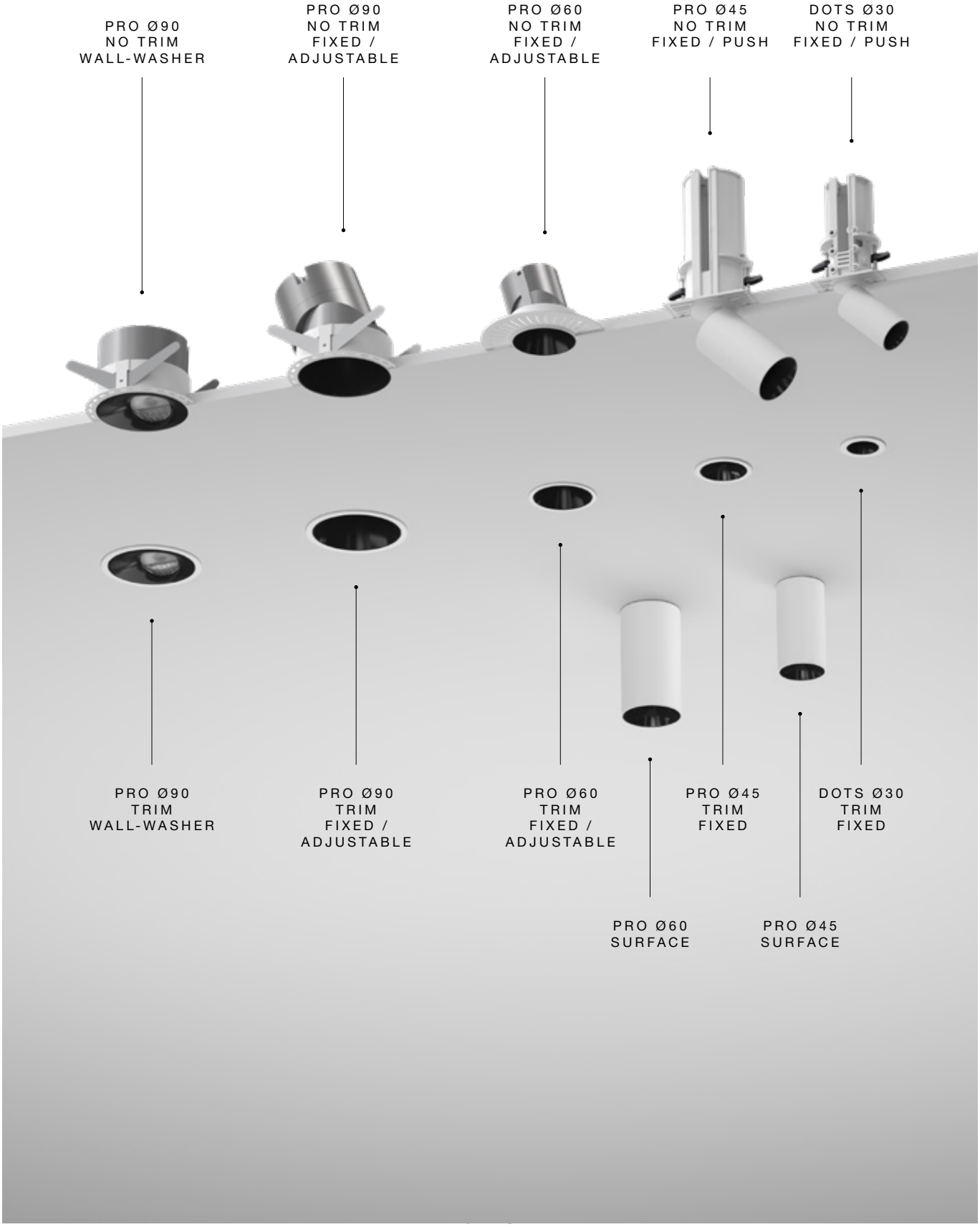
Non Dimmable
05.0875.14
05.0876.14

Dali Version
05.0875.14.DA
05.0876.14.DA

Mains Dimming
05.0875.14.NI
05.0876.14.NI

LIGHT SHADOW PRO&DOTS

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SHADOW PRO&DOTS

Beschreibung
Light Shadow Pro&Dots ist eine Leuchtenserie für die Deckenmontage in versch. Größen und konzipiert für die Aufbau- oder Einbaumontage. Die Lichtanwendungen von Light Shadow Pro&Dots umfassen Downlight-Beleuchtung, ausrichtbare Lichtkegel (sowie dimmbar als auch Push) oder asymmetrische Beleuchtung (Wall-Washer). Die Serie bietet IP-Schutzarten von IP20 bis IP54 (siehe Modelle).
Die Light Shadow Pro&Dots-Modelle haben ein gemeinsames Designkonzept: Den höchsten visuellen Komfortanforderungen gerecht zu werden. Zu diesem Zweck wurde die Geometrie der Produkte so konzipiert, dass die Lichtquelle in Bezug auf die Außenebene der Leuchte deutlich zurückgesetzt ist. Auf diese Weise ist der Abschaltwinkel von Light Shadow Pro&Dots sehr hoch und verhindert so die direkte Sicht auf die Lichtquelle. Somit ist das Leuchtmittel im Sehfeld der Raumnutzer in praktisch keiner natürlichen Position sichtbar. Zudem vermeidet das von Flos patentierte, hochmoderne optische System fast vollständig den Lichteinfall auf den Schirm der Leuchte, was den „High-Comfort-Effekt“ erzielt (insbesondere bei den Ausführungen mit konischer Abschirmung und schwarzer Innenfläche). Dank diesem Effekt leistet das Produkt eine perfekte Raumbeleuchtung und vermittelt gleichzeitig den Eindruck, dass die Leuchte ausgeschaltet ist.

Optisches System
Light Shadow Pro&Dots bietet mit seinem Angebot an optischen Linsen eine Reihe von Lichtstrahlöffnungen von sehr engen (Super Spot) bis hin zu weit offenen (Wide Flood) Winkeln. Siehe Optionen der Öffnungen für die verschiedenen Modelle.
Für die Light Shadow Pro-Modelle wurden exklusive und patentierte Dual-Focal-Silikonlinsen entwickelt, um eine perfekte Kontrolle der Lichtverteilung zu erreichen. Sie eliminieren störendes Licht und erreichen einen außergewöhnlich hohen Wirkungsgrad LOR (Light Output Ratio). Auf diese Weise nutzen sie den Lichtstrom der LED voll aus. Dies ist bei Technologien wie Reflektoren oder Standardlinsen nicht der Fall.
Außerdem ermöglichen diese innovativen Linsen aufgrund ihres Materials aus Silikon eine hervorragende Kontrolle der von der LED produzierten Temperatur und verfügen über eine hohe Hitze- und Alterungsbeständigkeit. Dies verhindert die Abnutzung und Vergilbung (und die damit verbundene Leistungseinbußen), die im Laufe der Zeit bei anderen Linsentypen auftreten.

Stromversorgungseinheiten
Einbauversionen erfordern eine Stromversorgungseinheit, die im Lieferumfang nicht enthalten und gemäß Empfehlungen separat zu bestellen ist. Überprüfen Sie die Geräteabmessungen: Ist das Loch für das Einbaugehäuse zu klein, wird die Einheit dort installiert, wo ein Zugriff möglich ist. Einige Modelle können mit einer einzigen Einheit und serieller Verbindung betrieben werden, siehe entsprechende Datentabellen. Die Modelle für den Deckenaufbau verfügen über eine integrierte Einheit.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber“.

Steuerungssysteme
Light Shadow Pro&Dots verfügt über verschiedene Steuerungssysteme für das Dimmen der Leuchten mittels diversen Protokollen. Bitte konsultieren Sie die für jedes Modell verfügbaren Optionen und in einigen Fällen die entsprechende, angemessene Stromstärke, um die Lichtströme von Produkten mit unterschiedlichen Protokollen untereinander anzupassen.

Zubehör und Installation
Die Einbauausführungen von Light Shadow Pro&Dots benötigen individuelles Montagezubehör (Einbaurahmen), erhältlich in den Ausführungen Trim und No Trim (je nach Modell, bitte konsultieren). Diese Einbau-Installation ist nur bei Gipskartondecken möglich.
Im Angebot dieser Einbaurahmen existieren für die Modelle Light Shadow Dots Fixed Ausführungen No Trim, die die Montage mehrerer Einheiten in einer fortlaufenden Reihe ermöglichen. Vollständig kompatibel mit den Rahmen No Trim für die Modelle Push,um mit Light Shadow Dots und Push Lichtlinien mit gleichem Abstand/Gestaltung zu erzeugen.
Was die Stromversorgung betrifft, wird sie bei den Einbauversionen Light Shadow Pro direkt an die Leuchte angeschlossen. Bei der Light Shadow Dots und Push-Ausführungen erfolgt die Verbindung über den Einbaurahmen. Dieser Rahmen ist durch das ‚Hot Plug‘ System geschützt, das den Austausch des Produktes bei eingeschaltetem Strom erlaubt. Auch garantiert dieses System, dass im Einbaurahmen mehrerer Einheiten beim Versagen einer Einheit die übrigen Leuchten des Rahmens weiterhin funktionieren.

Einhaltung gesetzlicher Vorschriften und Qualitätszeichen
Die Leuchte entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Description
Light Shadow Pro&Dots is a family of luminaires for ceiling installation, with different sizes, also allowing recessed and surface installation. The lighting applications of Light Shadow Pro&Dots range from a downlight emission to directional (both adjustable and push) or asymmetric (wall-washer) light beams. The family has watertightness options from IP20 to IP54 (please consult models). All Light Shadow Pro&Dots share a common design philosophy: the achievement of the highest possible visual comfort. To this end, the geometry of the products has been conceived so that the light source is markedly recessed with respect to the outer plane of the luminaire. The cut-off angle of Light Shadow Pro&Dots is therefore very high, making direct visual access to the light source difficult. As a result, the origin of the light source cannot be seen directly from virtually any natural position in the field of view of the users of the room. In addition, the state-of-the-art optical system, patented by Flos, almost completely avoids the incidence of light on the product shade, which achieves the “high-comfort” effect (especially in luminaires with a black inner cone). This effect ensures that the product perfectly illuminates the space, while giving the impression that it remains switched off.

Optical System
Thanks to its range of optical lenses, Light Shadow Pro&Dots offers a series of beam angles, from very narrow angles (Super Spot) to extremely wide ones (Wide Flood). Please consult beam angle options for each model.
For Light Shadow Pro models, Flos has developed exclusive and patented double focal silicone lenses to achieve perfect control of light distribution. These lenses eliminate stray light and achieve an unparalleled L.O.R. (Light Output Ratio) luminous efficiency. In this way, they take full advantage of the LED’s raw luminous flux. This is not the case with other technologies such as reflectors or standard production lenses.
Moreover, thanks to their silicon material, these state-of-the-art lenses manage the temperature produced by the LED in an excellent way and are highly resistant to thermal and over-time deterioration. They thus avoid the degradation and yellowing (with its consequent loss of performance) that occurs over time in other types of lenses.

Power Supply Units
Recessed versions require a power supply unit which is not included, to be ordered separately according to recommendations. Please consult the dimensions of the unit: when it does not fit through the recessing hole, an accessible remote location for the unit is required. Some models can be powered with a single unit and serial connection, please consult the corresponding information tables. The surface-mounted versions have integrated units.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Control Systems
Light Shadow Pro&Dots has control systems for dimming the luminaires under different protocols. Please consult the options available for each model and, in some cases, the appropriate power intensity options to match the luminous fluxes of products with different protocols.

Accessories and Installation
The recessed versions of Light Shadow Pro&Dots require individual installation accessories (pre-installation frames) available in Trim and No Trim versions (depending on the models, please consult). This recessed installation method is valid only for plasterboard ceilings.
For Light Shadow Dots Fixed models, pre-installation frames include No Trim options to install several units in line. These are fully compatible with the No Trim pre-installation frames for the Push models. Thus, “lines” of Light Shadow Dots and Push can be created with the same spacing and appearance.
As for the power supply, in the recessed Light Shadow Pro the power supply is connected directly to the luminaire. In the Light Shadow Dots and Push models, the connection is made through the pre-installation frame. This pre-installation frame is protected with the Hot Plug system that allows the product to be replaced with the power on. In pre-installation frames comprising several units, it also avoids luminaires installed in the same pre-installation frame to stop working if one of them does not work.

Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

LIGHT SHADOW PRO&DOTS

DESIGNED BY FLOS ARCHITECTURAL

DOTS Ø30 FIXED

LIGHT SOURCE*
POWER LED
Up to 2,7W
222 lm
2700K/CRI 90
236 lm
3000K/CRI 90
293 lm
4000K/CRI 90

PRO Ø45 FIXED

LIGHT SOURCE
LED ARRAY
8,8W
816 lm
2700K/CRI 90
834 lm
3000K/CRI 90
926 lm
4000K/CRI 90

PRO Ø60 FIXED

LIGHT SOURCE*
LED ARRAY
Up to 15W
1402 lm
2700K/CRI 90
1427 lm
3000K/CRI 90
1577 lm
4000K/CRI 90

PRO Ø90 FIXED

LIGHT SOURCE*
LED ARRAY
Up to 22W
2191 lm
2700K/CRI 90
2339 lm
3000K/CRI 90
2457 lm
4000K/CRI 90

DOTS Ø30 PUSH

LIGHT SOURCE*
POWER LED
Up to 2,7W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90
295 lm
4000K/CRI 90

PRO Ø45 PUSH

LIGHT SOURCE
LED ARRAY
8,5W
756 lm
2700K/CRI 90
799 lm
3000K/CRI 90
866 lm
4000K/CRI 90

PRO Ø60 ADJUSTABLE

LIGHT SOURCE
LED ARRAY
10,5W
888 lm
2700K/CRI 90
923 lm
3000K/CRI 90
963 lm
4000K/CRI 90

PRO Ø90 ADJUSTABLE

LIGHT SOURCE*
LED ARRAY
Up to 18W
1637 lm
2700K/CRI 90
1772 lm
3000K/CRI 90
1877 lm
4000K/CRI 90

PRO Ø45 SURFACE

LIGHT SOURCE
LED ARRAY
8,8W
800 lm
2700K/CRI 90
845 lm
3000K/CRI 90
915 lm
4000K/CRI 90

PRO Ø60 SURFACE

LIGHT SOURCE
LED ARRAY
15W
1185 lm
2700K/CRI 90
1275 lm
3000K/CRI 90
1355 lm
4000K/CRI 90

PRO Ø90 WALL-WASHER

LIGHT SOURCE
LED ARRAY
18W
1593 lm
2700K/CRI 90
1752 lm
3000K/CRI 90
1867 lm
4000K/CRI 90

* Erhältlich mit verschiedenen Lichtwerten für einige Modelle dieses Produkts. Siehe Produktseite.

* Certain models of this product are available with different light values. See the product page.

Rear Finish (R)
Light Shadow Pro&Dots Push

40 Weiss
40 White

14 Schwarz
14 Black

External Finish (E)
Light Shadow Dots Push / Light Shadow Pro Push & Surface

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

TK Teak-Holz
TK Teak

Internal Finish (I)

HIGH COMFORT

40 Weiss
40 White

14 Schwarz
14 Black

ER Stahl
ER Steel

ES Bronze
ES Bronze

EQ Kupfer
EQ Copper

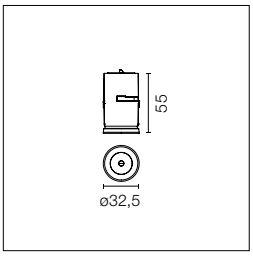
FLOS
CONTROL BY CASAMBI

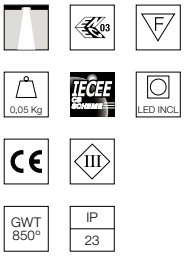
Available on the App Store

GET IT ON Google Play

Light Shadow Dots Ø30 Fixed - Single Spot Module

Power LED DC 900 mA - 2,7W - 222 lm - 2700K/CRI 90 / 2,7W - 236 lm - 3000K/CRI 90 / 2,7W - 293 lm - 4000K/CRI 90
Set of 1 spot mains dimming. Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung, zum Einsetzen in die Einbaurahmen (nicht inbegriffen), Installation durch ein Bajonettsystem mit austauschbaren Scheinwerfern. Erhältlich in Versionen mit einem Licht und in Gruppen von zwei und vier Leuchten. Treiber nicht im Lieferumfang enthalten, der Treiber stellt eine direkte Verbindung zu den Einbettungsrahmen her.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included, the driver has to be directly connected to the embedding frames.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	70.0637

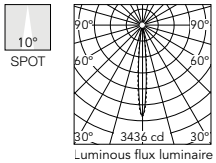
* Siehe Treiberkapitel / Refer to the Drivers chapter

** Nur Serienschaltung / Only Serial Connection

Optic Spot 2700K

Set of 1 spot

- 03.8600.40B
- 03.8600.14A
- 03.8600.ERA
- 03.8600.ESA
- 03.8600.EQA

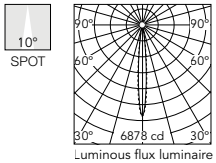


Luminous flux luminaire 188 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	3436	0.17
2	859	0.35
3	382	0.52
4	215	0.70
5	137	0.87

Set of 2 spots

- 03.8640.40B
- 03.8640.14A
- 03.8640.ERA
- 03.8640.ESA
- 03.8640.EQA

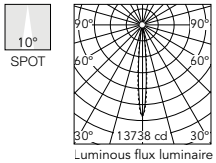


Luminous flux luminaire 376 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	6878	0.17
2	1720	0.35
3	764	0.52
4	430	0.70
5	275	0.87

Set of 4 spots

- 03.8610.40B
- 03.8610.14A
- 03.8610.ERA
- 03.8610.ESA
- 03.8610.EQA



Luminous flux luminaire 751 lm

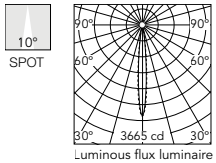
Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	13738	0.17
2	3434	0.35
3	1526	0.52
4	859	0.70
5	550	0.87

Internal Finish (I) · White

3000K

Set of 1 spot

- 03.8603.40B
- 03.8603.14A
- 03.8603.ERA
- 03.8603.ESA
- 03.8603.EQA

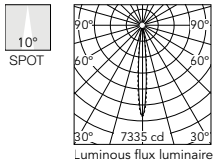


Luminous flux luminaire 200 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	3665	0.17
2	916	0.35
3	407	0.52
4	229	0.70
5	147	0.87

Set of 2 spots

- 03.8643.40B
- 03.8643.14A
- 03.8643.ERA
- 03.8643.ESA
- 03.8643.EQA

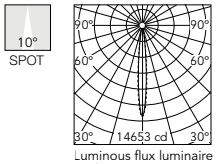


Luminous flux luminaire 401 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	7335	0.17
2	1834	0.35
3	815	0.52
4	458	0.70
5	293	0.87

Set of 4 spots

- 03.8613.40B
- 03.8613.14A
- 03.8613.ERA
- 03.8613.ESA
- 03.8613.EQA



Luminous flux luminaire 801 lm

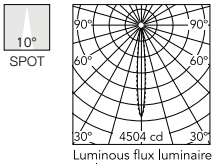
Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	14653	0.17
2	3663	0.35
3	1628	0.52
4	916	0.70
5	586	0.87

Internal Finish (I) · White

Optic Spot 4000K

Set of 1 spot

- 03.8606.40A
- 03.8606.14A
- 03.8606.ERA
- 03.8606.ESA
- 03.8606.EQA

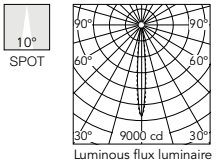


Luminous flux luminaire 246 lm (EXTREME CUT OFF)

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	4504	0.17
2	1126	0.35
3	500	0.52
4	282	0.70
5	180	0.87

Set of 2 spots

- 03.8671.40A
- 03.8671.14A
- 03.8671.ERA
- 03.8671.ESA
- 03.8671.EQA

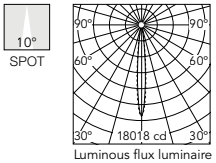


Luminous flux luminaire 492 lm (EXTREME CUT OFF)

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	9000	0.17
2	2250	0.35
3	1000	0.52
4	563	0.70
5	360	0.87

Set of 4 spots

- 03.8616.40A
- 03.8616.14A
- 03.8616.ERA
- 03.8616.ESA
- 03.8616.EQA



Luminous flux luminaire 985 lm (EXTREME CUT OFF)

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	18018	0.17
2	4505	0.35
3	2002	0.52
4	1126	0.70
5	721	0.87

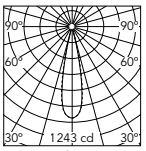
Internal Finish (I) · White

Optic Medium
2700K

Set of 1 spot

03.8601.40B
03.8601.14A
03.8601.ERA
03.8601.ESA
03.8601.EQA

22° MEDIUM



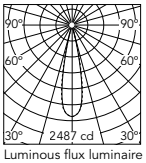
Luminous flux luminaire
186 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1243 0.39
2	311 0.78
3	138 1.17
4	78 1.56
5	50 1.95

Set of 2 spots

03.8641.40B
03.8641.14A
03.8641.ERA
03.8641.ESA
03.8641.EQA

22° MEDIUM



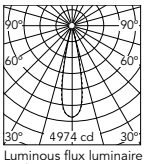
Luminous flux luminaire
372 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	2487 0.39
2	622 0.78
3	276 1.17
4	155 1.56
5	99 1.95

Set of 4 spots

03.8611.40B
03.8611.14A
03.8611.ERA
03.8611.ESA
03.8611.EQA

22° MEDIUM



Luminous flux luminaire
744 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	4974 0.39
2	1243 0.78
3	553 1.17
4	311 1.56
5	199 1.95

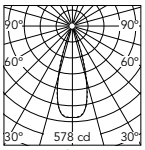
Internal Finish (I) · White

Optic Flood
2700K

Set of 1 spot

03.8602.40B
03.8602.14A
03.8602.ERA
03.8602.ESA
03.8602.EQA

33° FLOOD



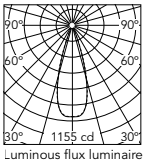
Luminous flux luminaire
185 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	577 0.59
2	144 1.18
3	64 1.78
4	36 2.37
5	23 2.96

Set of 2 spots

03.8642.40B
03.8642.14A
03.8642.ERA
03.8642.ESA
03.8642.EQA

33° FLOOD



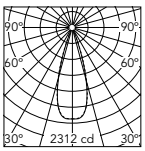
Luminous flux luminaire
370 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1153 0.59
2	288 1.18
3	128 1.78
4	72 2.37
5	46 2.96

Set of 4 spots

03.8612.40B
03.8612.14A
03.8612.ERA
03.8612.ESA
03.8612.EQA

33° FLOOD



Luminous flux luminaire
741 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	2310 0.59
2	578 1.18
3	257 1.78
4	144 2.37
5	92 2.96

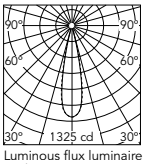
Internal Finish (I) · White

3000K

Set of 1 spot

03.8604.40B
03.8604.14A
03.8604.ERA
03.8604.ESA
03.8604.EQA

22° MEDIUM



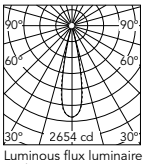
Luminous flux luminaire
198 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1325 0.39
2	331 0.78
3	147 1.17
4	83 1.56
5	53 1.95

Set of 2 spots

03.8644.40B
03.8644.14A
03.8644.ERA
03.8644.ESA
03.8644.EQA

22° MEDIUM



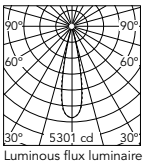
Luminous flux luminaire
397 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	2654 0.39
2	663 0.78
3	295 1.17
4	166 1.56
5	106 1.95

Set of 4 spots

03.8614.40B
03.8614.14A
03.8614.ERA
03.8614.ESA
03.8614.EQA

22° MEDIUM



Luminous flux luminaire
793 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	5301 0.39
2	1325 0.78
3	589 1.17
4	331 1.56
5	212 1.95

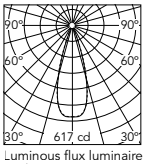
Internal Finish (I) · White

3000K

Set of 1 spot

03.8605.40B
03.8605.14A
03.8605.ERA
03.8605.ESA
03.8605.EQA

33° FLOOD



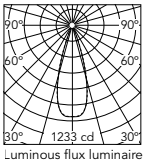
Luminous flux luminaire
198 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	616 0.59
2	154 1.18
3	68 1.78
4	38 2.37
5	25 2.96

Set of 2 spots

03.8645.40B
03.8645.14A
03.8645.ERA
03.8645.ESA
03.8645.EQA

33° FLOOD



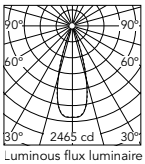
Luminous flux luminaire
395 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1231 0.59
2	308 1.18
3	137 1.78
4	77 2.37
5	49 2.96

Set of 4 spots

03.8615.40B
03.8615.14A
03.8615.ERA
03.8615.ESA
03.8615.EQA

33° FLOOD



Luminous flux luminaire
790 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	2463 0.59
2	616 1.18
3	274 1.78
4	154 2.37
5	99 2.96

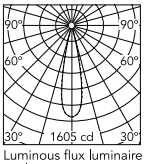
Internal Finish (I) · White

4000K

Set of 1 spot

03.8607.40A
03.8607.14A
03.8607.ERA
03.8607.ESA
03.8607.EQA

22° MEDIUM



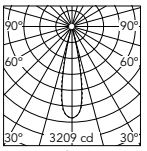
Luminous flux luminaire
240 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1605 0.39
2	401 0.78
3	178 1.17
4	100 1.56
5	64 1.95

Set of 2 spots

03.8672.40A
03.8672.14A
03.8672.ERA
03.8672.ESA
03.8672.EQA

22° MEDIUM



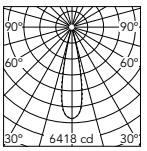
Luminous flux luminaire
480 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m)	E(lx) D(m)
1	3209 0.39
2	802 0.78
3	357 1.17
4	201 1.56
5	128 1.95

Set of 4 spots

03.8617.40A
03.8617.14A
03.8617.ERA
03.8617.ESA
03.8617.EQA

22° MEDIUM



Luminous flux luminaire
960 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m)	E(lx) D(m)
1	6418 0.39
2	1604 0.78
3	713 1.17
4	401 1.56
5	257 1.95

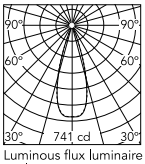
Internal Finish (I) · White

4000K

Set of 1 spot

03.8608.40A
03.8608.14A
03.8608.ERA
03.8608.ESA
03.8608.EQA

33° FLOOD



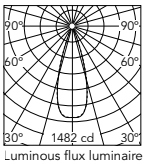
Luminous flux luminaire
237 lm (EXTREME CUT OFF)

Beam Angle:	33°
h(m)	E(lx) D(m)
1	740 0.59
2	185 1.18
3	82 1.78
4	46 2.37
5	30 2.96

Set of 2 spots

03.8673.40A
03.8673.14A
03.8673.ERA
03.8673.ESA
03.8673.EQA

33° FLOOD



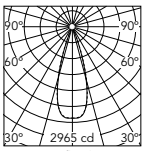
Luminous flux luminaire
475 lm (EXTREME CUT OFF)

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1481 0.59
2	370 1.18
3	165 1.78
4	93 2.37
5	59 2.96

Set of 4 spots

03.8618.40A
03.8618.14A
03.8618.ERA
03.8618.ESA
03.8618.EQA

33° FLOOD



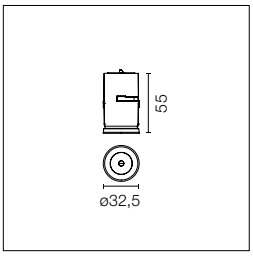
Luminous flux luminaire
950 lm (EXTREME CUT OFF)

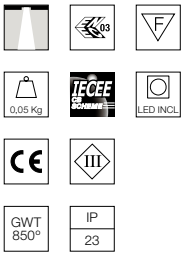
Beam Angle:	33°
h(m)	E(lx) D(m)
1	2962 0.59
2	740 1.18
3	329 1.78
4	185 2.37
5	118 2.96

Internal Finish (I) · White

Light Shadow Dots Ø30 Fixed - Single Spot Module

Power LED DC 900 mA - 2,7W - 222 lm - 2700K/CRI 90 / 2,7W - 236 lm - 3000K/CRI 90 / 2,7W - 293 lm - 4000K/CRI 90
Set of 1 spot mains dimming. Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung, zum Einsetzen in die Einbaurahmen (nicht inbegriffen), Installation durch ein Bajonettsystem mit austauschbaren Scheinwerfern. Erhältlich in Versionen mit einem Licht und in Gruppen von zwei und vier Leuchten. Treiber nicht im Lieferumfang enthalten, der Treiber stellt eine direkte Verbindung zu den Einbettungsrahmen her.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included, the driver has to be directly connected to the embedding frames.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	70.0637

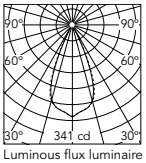
* Siehe Treiberkapitel / Refer to the Drivers chapter

** Nur Serienschaltung / Only Serial Connection

Optic Wide Flood 2700K

Set of 1 spot

03.8630.40B
03.8630.14A
03.8630.ERA
03.8630.ESA
03.8630.EQA

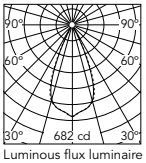


Luminous flux luminaire 183 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	341 0.83
2	85 1.67
3	38 2.50
4	21 3.34
5	14 4.17

Set of 2 spots

03.8646.40B
03.8646.14A
03.8646.ERA
03.8646.ESA
03.8646.EQA

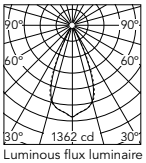


Luminous flux luminaire 366 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	682 0.83
2	171 1.67
3	76 2.50
4	43 3.34
5	27 4.17

Set of 4 spots

03.8635.40B
03.8635.14A
03.8635.ERA
03.8635.ESA
03.8635.EQA



Luminous flux luminaire 731 lm

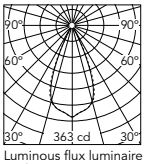
Beam Angle:	45°
h(m)	E(lx) D(m)
1	1362 0.83
2	341 1.67
3	151 2.50
4	85 3.34
5	54 4.17

Internal Finish (I) · White

3000K

Set of 1 spot

03.8631.40B
03.8631.14A
03.8631.ERA
03.8631.ESA
03.8631.EQA

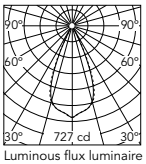


Luminous flux luminaire 195 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	363 0.83
2	91 1.67
3	40 2.50
4	23 3.34
5	15 4.17

Set of 2 spots

03.8647.40B
03.8647.14A
03.8647.ERA
03.8647.ESA
03.8647.EQA

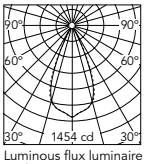


Luminous flux luminaire 390 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	727 0.83
2	182 1.67
3	81 2.50
4	45 3.34
5	29 4.17

Set of 4 spots

03.8636.40B
03.8636.14A
03.8636.ERA
03.8636.ESA
03.8636.EQA



Luminous flux luminaire 780 lm

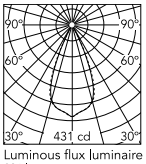
Beam Angle:	45°
h(m)	E(lx) D(m)
1	1454 0.83
2	363 1.67
3	162 2.50
4	91 3.34
5	58 4.17

Internal Finish (I) · White

Optic Wide Flood 4000K

Set of 1 spot

03.8633.40A
03.8633.14A
03.8633.ERA
03.8633.ESA
03.8633.EQA

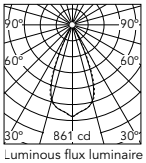


Luminous flux luminaire 231 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	431 0.83
2	108 1.67
3	48 2.50
4	27 3.34
5	17 4.17

Set of 2 spots

03.8674.40A
03.8674.14A
03.8674.ERA
03.8674.ESA
03.8674.EQA

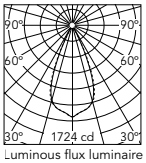


Luminous flux luminaire 462 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	861 0.83
2	215 1.67
3	96 2.50
4	54 3.34
5	34 4.17

Set of 4 spots

03.8637.40A
03.8637.14A
03.8637.ERA
03.8637.ESA
03.8637.EQA



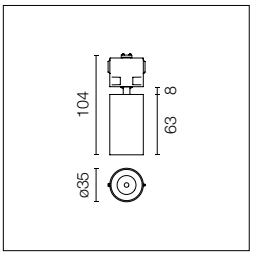
Luminous flux luminaire 925 lm (EXTREME CUT OFF)

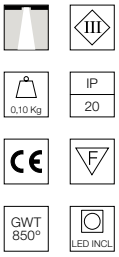
Beam Angle:	45°
h(m)	E(lx) D(m)
1	1724 0.83
2	431 1.67
3	192 2.50
4	108 3.34
5	69 4.17

Internal Finish (I) · White

Light Shadow Dots Ø30 Push

Power LED DC 900 mA - 2,7W - 270 lm - 2700K/CRI 90 / 2,7W - 285 lm - 3000K/CRI 90 / 2,7W - 295 lm - 4000K/CRI 90
Mains Dimming: Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90





Leuchte mit 2x1 Funktionalität: funktioniert als Downlight (deckenbündiger Einbau) oder als Strahler (vollständig einstellbar). Der Wechsel von einer Position zur anderen erfolgt von Hand und durch einfaches Bewegen des Produktes.

Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

R = Finish Rückseite
E= Außenfarbe
I= Innenfarbe

R= Rear finish
E= External Finish
I= Internal Finish

Optic Spot 2700K

R E I

05.9300.40
05.9301.40
05.9302.40
05.9303.40

05.9305.40
05.9304.40
05.9306.40
05.9307.40

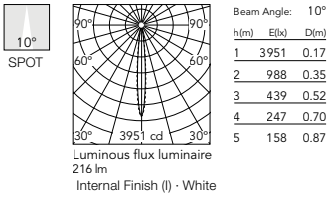
05.9305.14
05.9304.14
05.9306.14
05.9307.14

05.9304.ER
05.9307.ER

05.9304.ES
05.9308.ES

05.9304.EQ
05.9306.EQ

05.9304.TK
05.9306.TK



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3951	0.17
2	988	0.35
3	439	0.52
4	247	0.70
5	158	0.87

Luminous flux luminaire 216 lm
Internal Finish (I) · White

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	06.1974.00

* Siehe Treiberkapitel / Refer to the Drivers chapter

** Nur Serienschaltung / Only Serial Connection

Optic Spot 3000K

R E I

05.9350.40
05.9351.40
05.9352.40
05.9353.40

05.9355.40
05.9354.40
05.9356.40
05.9357.40

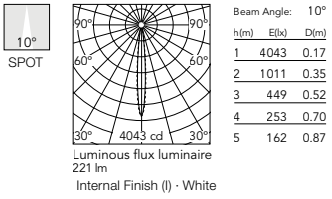
05.9355.14
05.9354.14
05.9356.14
05.9357.14

05.9354.ER
05.9357.ER

05.9354.ES
05.9358.ES

05.9354.EQ
05.9356.EQ

05.9354.TK
05.9356.TK



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	4043	0.17
2	1011	0.35
3	449	0.52
4	253	0.70
5	162	0.87

Luminous flux luminaire 221 lm
Internal Finish (I) · White

Optic Spot 4000K

R E I

05.9400.40
05.9401.40
05.9402.40
05.9403.40

05.9405.40
05.9404.40
05.9406.40
05.9407.40

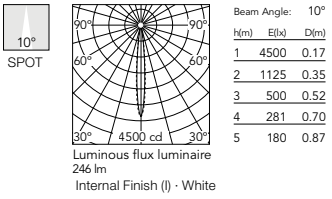
05.9405.14
05.9404.14
05.9406.14
05.9407.14

05.9404.ER
05.9407.ER

05.9404.ES
05.9408.ES

05.9404.EQ
05.9406.EQ

05.9404.TK
05.9406.TK



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	4500	0.17
2	1125	0.35
3	500	0.52
4	281	0.70
5	180	0.87

Luminous flux luminaire 246 lm
Internal Finish (I) · White

Optic Medium
2700K

R E I

05.9310.40
05.9311.40
05.9312.40
05.9313.40

05.9315.40
05.9314.40
05.9316.40
05.9317.40

05.9315.14
05.9314.14
05.9316.14
05.9317.14

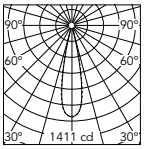
05.9314.ER
05.9317.ER

05.9314.ES
05.9318.ES

05.9314.EQ
05.9316.EQ

05.9314.TK
05.9316.TK

22°
MEDIUM



Luminous flux luminaire
211 lm
Internal Finish (I) · White

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1411	0.39
2	353	0.78
3	157	1.17
4	88	1.56
5	56	1.95

Optic Medium
3000K

R E I

05.9360.40
05.9361.40
05.9362.40
05.9363.40

05.9365.40
05.9364.40
05.9366.40
05.9367.40

05.9365.14
05.9364.14
05.9366.14
05.9367.14

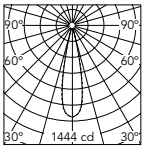
05.9364.ER
05.9367.ER

05.9364.ES
05.9368.ES

05.9364.EQ
05.9366.EQ

05.9364.TK
05.9366.TK

22°
MEDIUM



Luminous flux luminaire
216 lm
Internal Finish (I) · White

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1444	0.39
2	361	0.78
3	160	1.17
4	90	1.56
5	58	1.95

Optic Medium
4000K

R E I

05.9410.40
05.9411.40
05.9412.40
05.9413.40

05.9415.40
05.9414.40
05.9416.40
05.9417.40

05.9415.14
05.9414.14
05.9416.14
05.9417.14

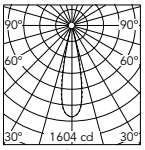
05.9414.ER
05.9417.ER

05.9414.ES
05.9418.ES

05.9414.EQ
05.9416.EQ

05.9414.TK
05.9416.TK

22°
MEDIUM



Luminous flux luminaire
240 lm
Internal Finish (I) · White

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1604	0.39
2	401	0.78
3	178	1.17
4	100	1.56
5	64	1.95

Zubehör / Accessories

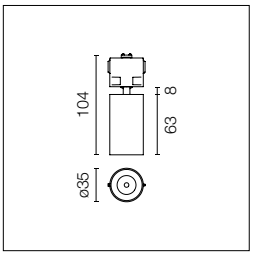
Light Shadow Dots Ø30 Push

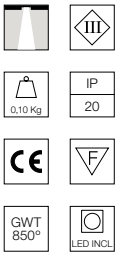
Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0792.00

Nur in schwarz erhältlich. Andere Farben auf Anfrage. / Only available in black. For other colours, please ask.

Light Shadow Dots Ø30 Push

Power LED DC 900 mA - 2,7W - 270 lm - 2700K/CRI 90 / 2,7W - 285 lm - 3000K/CRI 90 / 2,7W - 295 lm - 4000K/CRI 90
Mains Dimming: Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90





Leuchte mit 2x1 Funktionalität: funktioniert als Downlight (deckenbündiger Einbau) oder als Strahler (vollständig einstellbar). Der Wechsel von einer Position zur anderen erfolgt von Hand und durch einfaches Bewegen des Produktes.

Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

R = Finish Rückseite
E= Außenfarbe
I= Innenfarbe

R= Rear finish
E= External Finish
I= Internal Finish

Optic Flood 2700K

R E I

05.9320.40
05.9321.40
05.9322.40
05.9323.40

05.9325.40
05.9324.40
05.9326.40
05.9327.40

05.9325.14
05.9324.14
05.9326.14
05.9327.14

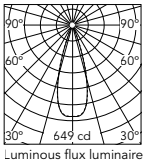
05.9324.ER
05.9327.ER

05.9324.ES
05.9328.ES

05.9324.EQ
05.9326.EQ

05.9324.TK
05.9326.TK

33°
FLOOD



Luminous flux luminaire
208 lm
Internal Finish (I) · White

Beam Angle:	33°
h(m)	E(lx) D(m)
1	648 0.59
2	162 1.18
3	72 1.78
4	41 2.37
5	26 2.96

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	06.1974.00

* Siehe Treiberkapitel / Refer to the Drivers chapter

** Nur Serienschaltung / Only Serial Connection

Optic Flood 3000K

R E I

05.9370.40
05.9371.40
05.9372.40
05.9373.40

05.9375.40
05.9374.40
05.9376.40
05.9377.40

05.9375.14
05.9374.14
05.9376.14
05.9377.14

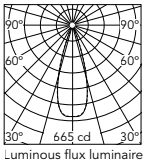
05.9374.ER
05.9377.ER

05.9374.ES
05.9378.ES

05.9374.EQ
05.9376.EQ

05.9374.TK
05.9376.TK

33°
FLOOD



Luminous flux luminaire
213 lm
Internal Finish (I) · White

Beam Angle:	33°
h(m)	E(lx) D(m)
1	664 0.59
2	166 1.18
3	74 1.78
4	42 2.37
5	27 2.96

Optic Flood 4000K

R E I

05.9420.40
05.9421.40
05.9422.40
05.9423.40

05.9425.40
05.9424.40
05.9426.40
05.9427.40

05.9425.14
05.9424.14
05.9426.14
05.9427.14

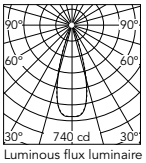
05.9424.ER
05.9427.ER

05.9424.ES
05.9428.ES

05.9424.EQ
05.9426.EQ

05.9424.TK
05.9426.TK

33°
FLOOD



Luminous flux luminaire
237 lm
Internal Finish (I) · White

Beam Angle:	33°
h(m)	E(lx) D(m)
1	739 0.59
2	185 1.18
3	82 1.78
4	46 2.37
5	30 2.96

Optic Wide Flood 2700K

R E I

05.9330.40
05.9331.40
05.9332.40
05.9333.40

05.9335.40
05.9334.40
05.9336.40
05.9337.40

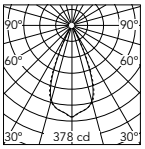
05.9335.14
05.9334.14
05.9336.14
05.9337.14

05.9334.ER
05.9337.ER

05.9334.ES
05.9338.ES

05.9334.EQ
05.9336.EQ

05.9334.TK
05.9336.TK



Luminous flux luminaire
203 lm
Internal Finish (I) · White

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	378	0.83
2	95	1.67
3	42	2.50
4	24	3.34
5	15	4.17

Optic Wide Flood 3000K

R E I

05.9380.40
05.9381.40
05.9382.40
05.9383.40

05.9385.40
05.9384.40
05.9386.40
05.9387.40

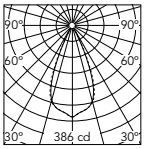
05.9385.14
05.9384.14
05.9386.14
05.9387.14

05.9384.ER
05.9387.ER

05.9384.ES
05.9388.ES

05.9384.EQ
05.9386.EQ

05.9384.TK
05.9386.TK



Luminous flux luminaire
207 lm
Internal Finish (I) · White

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	386	0.83
2	96	1.67
3	43	2.50
4	24	3.34
5	15	4.17

Optic Wide Flood 4000K

R E I

05.9430.40
05.9431.40
05.9432.40
05.9433.40

05.9435.40
05.9434.40
05.9436.40
05.9437.40

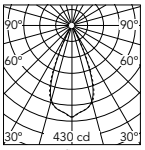
05.9435.14
05.9434.14
05.9436.14
05.9437.14

05.9434.ER
05.9437.ER

05.9434.ES
05.9438.ES

05.9434.EQ
05.9436.EQ

05.9434.TK
05.9436.TK



Luminous flux luminaire
231 lm
Internal Finish (I) · White

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	430	0.83
2	108	1.67
3	48	2.50
4	27	3.34
5	17	4.17

Zubehör / Accessories

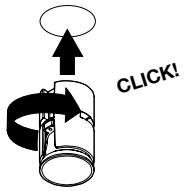
Light Shadow Dots Ø30 Push

Wabenraster	Honeycomb		08.0790.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0792.00

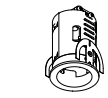
Nur in schwarz erhältlich. Andere Farben auf Anfrage. / Only available in black. For other colours, please ask.

HOW TO ORDER LIGHT SHADOW DOTS

Dots Fixed



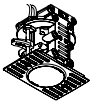
Dots Fixed Trim



single frame
(ref. 08.0661.40)
(ref. 08.0661.14)

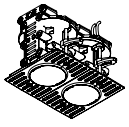
+ 1 spot set = Light Shadow Dots Fixed 1 Spot

Dots Fixed No Trim



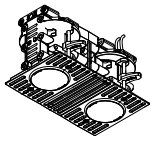
single frame
(ref. 08.0580.00)

+ 1 spot set = Light Shadow Dots Fixed 1 Spot



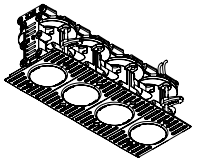
2 spots frame (int 43)
(ref. 08.0581.00)

+ 2 spots set = Light Shadow Dots Fixed 2 Spots (int 43)



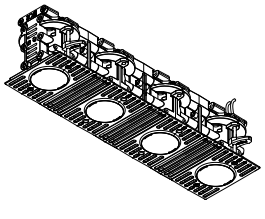
2 spots frame (int 70)
(ref. 08.0583.00)

+ 2 spots set = Light Shadow Dots Fixed 2 Spots (int 70)



4 spots frame (int 43)
(ref. 08.0582.00)

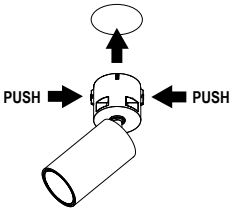
+ 4 spots set = Light Shadow Dots Fixed 4 Spots (int 43)



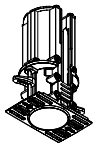
4 spots frame (int 70)
(ref. 08.0584.00)

+ 4 spots set = Light Shadow Dots Fixed 4 Spots (int 70)

Dots Push



Dots Push No Trim



single frame
(ref. 08.0756.00)

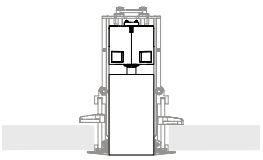
+ 1 spot set = Light Shadow Dots Push 1 Spot

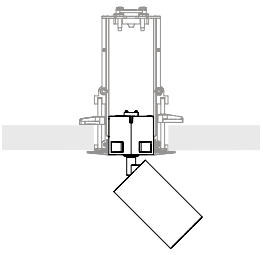
HOW TO ORDER LIGHT SHADOW DOTS

Dots Push - Functionality and Positioning

Light Shadow Push fungiert in oberer Position als Downlight (für den deckenbündigen Einbau); in der unteren Position als schwenkbarer Strahler.

Light Shadow Push can be placed in top position, functioning as a downlight (perfectly flush to ceiling), or in bottom position, functioning as an adjustable spotlight.





Dots Fixed & Push No Trim Frames - Continuity and Interdistance

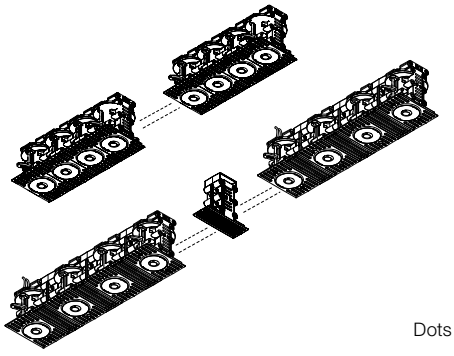
Bei der Planung der Beleuchtung in einer Umgebung, ermöglicht die Light Shadow Dots-Familie, dank der einfachen Verbindung zwischen den Leuchten (1, 2 und 4 Leuchten), durchgängige Lichtlinien, ohne dass ein zusätzliches Werkzeug erforderlich ist. Bei der Gestaltung und Planung kann zwischen zwei vordefinierten Abständen zwischen den Lichtpunkten (43 und 70 mm) gewählt werden, wodurch für die 70-mm-Version ein unabhängiges Zubehörteil (Ref. 08.0586.00) zwischen den Leuchten montiert werden muss.

When planning the lighting of an environment, the Light Shadow Dots family allows to project continuous light lines or random figures thanks to the simple interconnection between its luminaires (1, 2 and 4 lights) without the need for an additional tool. For the lighting designning and planning, the user can choose between two predefined distances of 43 and 70 mm between light points. For the 70 mm version, it is necessary to assemble an independent accessory (reference: 08.0586.00) between the luminaires.

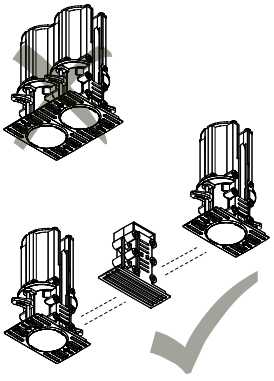
optional divider (int 70)
(ref. 08.0586.00)

Dots Frame (int 43)

Dots Frame (int 70)



Dots Push Frame

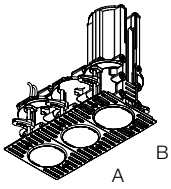


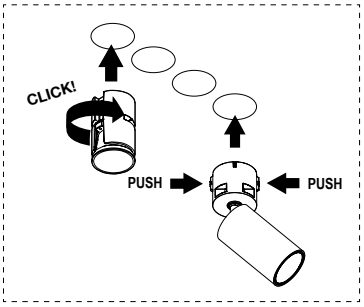
Verbindungsdetail für die Installation in einer fortlaufenden Reihe / Interconnection information to build a continuous line

Dots Fixed & Push No Trim Frames - Compatibility

Die Rahmen No Trim der Light Shadow Dots Fixed und Push sind kompatibel und können unter Beibehaltung des Abstands kontinuierlich installiert werden. Dadurch sind die Versionen Push, wenn sie eingebaut sind, nicht von den Versionen Fixed zu unterscheiden.

Light Shadow Dots Fixed and Push No Trim pre-installation frames are compatible and can be installed continuously, maintaining the spacing. In this way, when the Push models are in recessed position, they are indistinguishable from the Fixed versions.

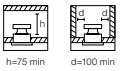




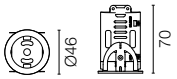
A: Dots Fixed no trim frames 1/2/4 (int 43/70)
+
B: Dots Push no trim frame 1

Zubehör / Accessories

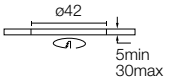
Dots Fixed Trim



Montagerahmen.
Pre-installation frame.



1L
08.0661.40
08.0661.14
08.0661.ER
08.0661.ES
08.0661.EQ



40 Weiss
40 White

14 Schwarz
14 Black

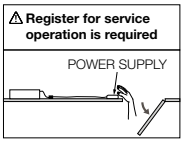
EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

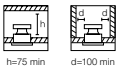
ES Gebürstete Bronze
ES Brushed Bronze

Treiber für die serielle Verbindung / Drivers for Serial Connection

Driver	DIM Protocol	Driving current	Min-Max Spot(s) per Driver
60.8911	Non Dimmable	900	1 - 6
60.7677	Non Dimmable	900	2 - 11
60.8534	Mains Dimming	750	1 - 9
60.9467	Mains Dimming	900	2 - 6
60.9414	Dimmable 0-10V	900	1 - 6
60.9602	Dim DALI	900	1 - 6
60.9207	Casambi	900	3 - 10
06.1974.00	Casambi	900	1 - 5

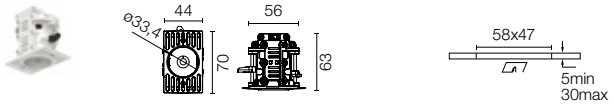


Dots Fixed No Trim - Single & Int 43 Frames



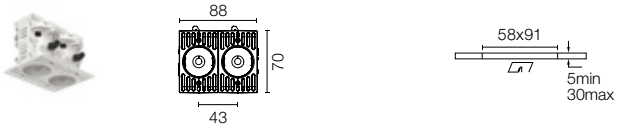
Montagerahmen.
Pre-installation frame.

1L
08.0580.00



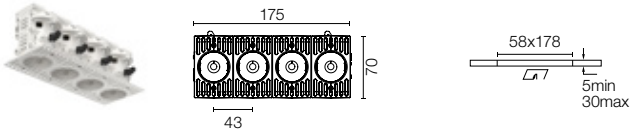
Montagerahmen.
Pre-installation frame.

2L - Int 43
08.0581.00

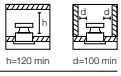


Montagerahmen.
Pre-installation frame.

4L - Int 43
08.0582.00

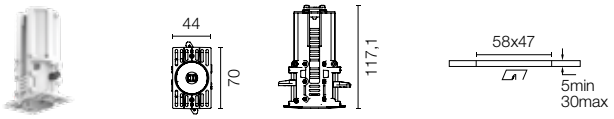


Dots Push No Trim

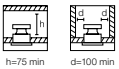


Montagerahmen.
Pre-installation frame.

1L
08.0756.00



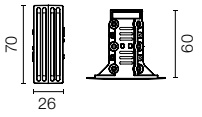
Dots Fixed No Trim - Divider & Int 70 Frames



70-mm-Separator zur Aufrechterhaltung des Abstands zwischen den Lampen durch Verbinden von 70-mm-Modulen.

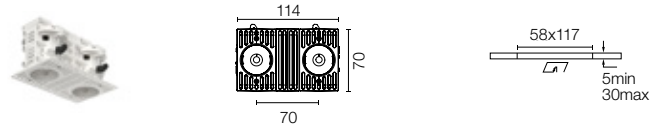
70 mm divider to keep the spacing between spots when putting together 70 mm modules.

Divider - Int 70
08.0586.00



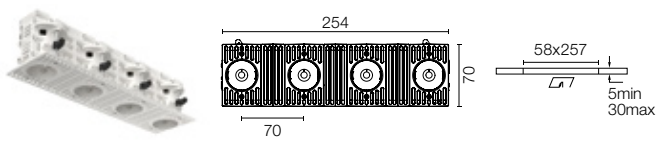
Montagerahmen.
Pre-installation frame.

2L - Int 70
08.0583.00



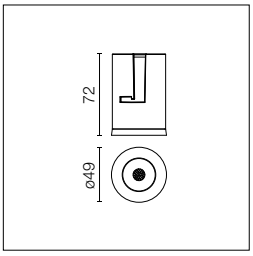
Montagerahmen.
Pre-installation frame.

4L - Int 70
08.0584.00



Light Shadow Pro Ø45 Fixed

LED Array DC 700 mA 8,8W - 816 lm - 2700K/CRI 90 / 8,8W - 834 lm - 3000K/CRI 90 / 8,8W - 926 lm - 4000K/CRI 90



LED-Beleuchtungsmodul mit geringer Blendung für die Einsetzung in Einbaurahmen (nicht inbegriffen). Installation mittels Bajonettsystem mit austauschbaren Spots. Remote-Treiber nicht enthalten.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

Empfohlene Netzgeräte / Recommended power supply*:

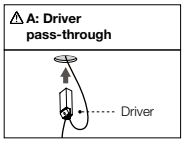
		Serial Con.	⚠
Non Dimmable 100-240V 12W	60.8529A	1 - 1	A**
Non Dimmable 100-277V 31W	60.9387	1 - 3	B
Non Dimmable 220-240V 32W	60.9592	1 - 3	B
Non Dimmable 220-240V 42W	60.7677	1 - 3	B
Dim Dali 2 220-240V 38W	60.7678	1 - 3	B
Dim Dali 2 220-240V 20W	60.9713.0700	1 - 2	B
Dim 1-10V/Push 110-240V	60.9208	1 - 2	B
Dim 1-10V	60.9845	1 - 3	B
Mains Dimming	60.9467	1 - 2	B
Mains Dimming	60.9692	1 - 3	B
Dim Casambi/Push	60.7785	1 - 2	B

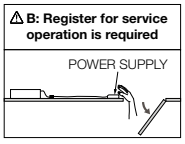
* Siehe Treiberkapitel / Refer to the Drivers chapter

** Durchlauftreiber für feste Versionen.

Für die Wartung der Versionen Push ist eine Unterputzdose erforderlich. / Driver pass-throught for Fixed model.

Register for service operation is required for Push model.



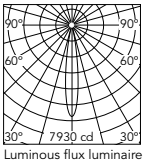


Optic Spot

2700K

05.2500.40
05.2500.14
05.2500.ER
05.2500.ES
05.2500.EQ

15° SPOT



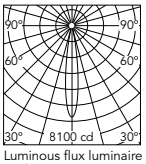
Luminous flux luminaire 675 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	7930	0.27
2	1982	0.54
3	881	0.81
4	496	1.08
5	317	1.35

3000K

05.2505.40
05.2505.14
05.2505.ER
05.2505.ES
05.2505.EQ

15° SPOT



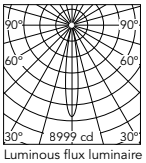
Luminous flux luminaire 690 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8100	0.27
2	2025	0.54
3	900	0.81
4	506	1.08
5	324	1.35

4000K

05.2510.40
05.2510.14
05.2510.ER
05.2510.ES
05.2510.EQ

15° SPOT



Luminous flux luminaire 766 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8999	0.27
2	2250	0.54
3	1000	0.81
4	562	1.08
5	360	1.35

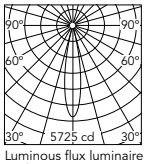
Internal Finish (I) · White

Optic Medium

2700K

05.2501.40
05.2501.14
05.2501.ER
05.2501.ES
05.2501.EQ

20° MEDIUM



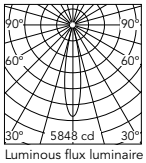
Luminous flux luminaire 671 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	5725	0.34
2	1431	0.69
3	636	1.03
4	358	1.38
5	229	1.72

3000K

05.2506.40
05.2506.14
05.2506.ER
05.2506.ES
05.2506.EQ

20° MEDIUM



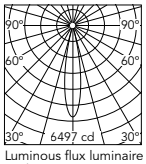
Luminous flux luminaire 685 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	5848	0.34
2	1462	0.69
3	650	1.03
4	365	1.38
5	234	1.72

4000K

05.2511.40
05.2511.14
05.2511.ER
05.2511.ES
05.2511.EQ

20° MEDIUM



Luminous flux luminaire 761 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	6497	0.34
2	1624	0.69
3	722	1.03
4	406	1.38
5	260	1.72

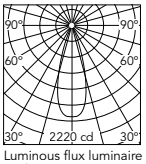
Internal Finish (I) · White

Optic Flood

2700K

05.2502.40
05.2502.14
05.2502.ER
05.2502.ES
05.2502.EQ

33° FLOOD



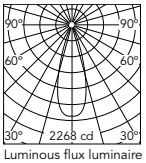
Luminous flux luminaire 678 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2219	0.58
2	555	1.17
3	247	1.75
4	139	2.34
5	89	2.92

3000K

05.2507.40
05.2507.14
05.2507.ER
05.2507.ES
05.2507.EQ

33° FLOOD



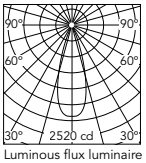
Luminous flux luminaire 692 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2267	0.58
2	567	1.17
3	252	1.75
4	142	2.34
5	91	2.92

4000K

05.2512.40
05.2512.14
05.2512.ER
05.2512.ES
05.2512.EQ

33° FLOOD



Luminous flux luminaire 769 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2519	0.58
2	630	1.17
3	280	1.75
4	157	2.34
5	101	2.92

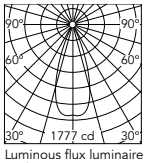
Internal Finish (I) · White

Optic Wide Flood

2700K

05.2503.40
05.2503.14
05.2503.ER
05.2503.ES
05.2503.EQ

38° WIDE FLOOD



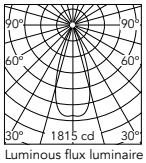
Luminous flux luminaire 698 lm

Beam Angle:	38°	
h(m)	E(lx)	D(m)
1	1771	0.69
2	443	1.39
3	197	2.08
4	111	2.78
5	71	3.47

3000K

05.2508.40
05.2508.14
05.2508.ER
05.2508.ES
05.2508.EQ

38° WIDE FLOOD



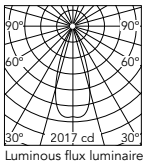
Luminous flux luminaire 713 lm

Beam Angle:	38°	
h(m)	E(lx)	D(m)
1	1809	0.69
2	452	1.39
3	201	2.08
4	113	2.78
5	72	3.47

4000K

05.2513.40
05.2513.14
05.2513.ER
05.2513.ES
05.2513.EQ

38° WIDE FLOOD



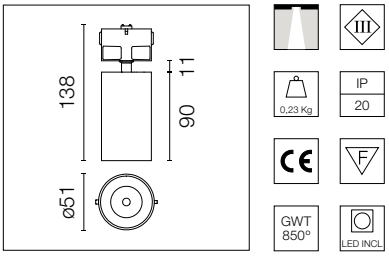
Luminous flux luminaire 792 lm

Beam Angle:	38°	
h(m)	E(lx)	D(m)
1	2009	0.69
2	502	1.39
3	223	2.08
4	126	2.78
5	80	3.47

Internal Finish (I) · White

Light Shadow Pro Ø45 Push

LED Array DC 700 mA 8,5W - 756 lm - 2700K/CRI 90 / 8,5W - 799 lm - 3000K/CRI 90 / 8,5W - 866 lm - 4000K/CRI 90



Leuchte mit 2x1 Funktionalität: funktioniert als Downlight (deckenbündiger Einbau) oder als Strahler (vollständig einstellbar). Der Wechsel von einer Position zur anderen erfolgt von Hand und durch einfaches Bewegen des Produktes.

Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

R = Finish Rückseite
E= Außenfarbe
I= Innenfarbe

R= Rear finish
E= External Finish
I= Internal Finish

Optic Spot 2700K

R E I

05.9500.40
05.9501.40
05.9502.40
05.9503.40

05.9505.40
05.9504.40
05.9506.40
05.9507.40

05.9505.14
05.9504.14
05.9506.14
05.9507.14

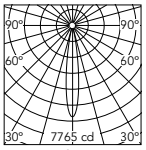
05.9504.ER
05.9507.ER

05.9504.ES
05.9508.ES

05.9504.EQ
05.9506.EQ

05.9504.TK
05.9506.TK

15°
SPOT



Luminous flux luminaire
661 lm
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7765	0.27
2	1941	0.54
3	863	0.81
4	485	1.08
5	311	1.35

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-240V 12W	60.8529A
Non Dimmable 100-277V 31W	60.9387
Non Dimmable 220-240V 32W	60.9592
Non Dimmable 220-240V 42W	60.7677
Dim Dali 2 220-240V 38W	60.7678
Dim Dali 2 220-240V 20W	60.9713.0700
Dim 1-10V/Push 110-240V	60.9208
Dim 1-10V	60.9845
Mains Dimming	60.9467
Mains Dimming	60.9692
Dim Casambi/Push	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 3000K

R E I

05.9530.40
05.9531.40
05.9532.40
05.9533.40

05.9535.40
05.9534.40
05.9536.40
05.9537.40

05.9535.14
05.9534.14
05.9536.14
05.9537.14

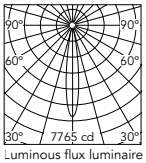
05.9534.ER
05.9537.ER

05.9534.ES
05.9538.ES

05.9534.EQ
05.9536.EQ

05.9534.TK
05.9536.TK

15°
SPOT



Luminous flux luminaire
661 lm
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7765	0.27
2	1941	0.54
3	863	0.81
4	485	1.08
5	311	1.35

Optic Spot 4000K

R E I

05.9560.40
05.9561.40
05.9562.40
05.9563.40

05.9565.40
05.9564.40
05.9566.40
05.9567.40

05.9565.14
05.9564.14
05.9566.14
05.9567.14

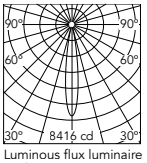
05.9564.ER
05.9567.ER

05.9564.ES
05.9568.ES

05.9564.EQ
05.9566.EQ

05.9564.TK
05.9566.TK

15°
SPOT



Luminous flux luminaire
716 lm
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8416	0.27
2	2104	0.54
3	935	0.81
4	526	1.08
5	337	1.35

LIGHT SHADOW PRO

Optic Medium 2700K

R E I

05.9510.40
05.9511.40
05.9512.40
05.9513.40

05.9515.40
05.9514.40
05.9516.40
05.9517.40

05.9515.14
05.9514.14
05.9516.14
05.9517.14

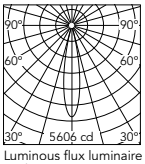
05.9514.ER
05.9517.ER

05.9514.ES
05.9518.ES

05.9514.EQ
05.9516.EQ

05.9514.TK
05.9516.TK

20°
MEDIUM



Luminous flux luminaire
657 lm
Internal Finish (I) · White

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	5606	0.34
2	1401	0.69
3	623	1.03
4	350	1.38
5	224	1.72

Optic Medium 4000K

R E I

05.9570.40
05.9571.40
05.9572.40
05.9573.40

05.9575.40
05.9574.40
05.9576.40
05.9577.40

05.9575.14
05.9574.14
05.9576.14
05.9577.14

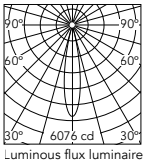
05.9574.ER
05.9577.ER

05.9574.ES
05.9578.ES

05.9574.EQ
05.9576.EQ

05.9574.TK
05.9576.TK

20°
MEDIUM



Luminous flux luminaire
712 lm
Internal Finish (I) · White

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	6076	0.34
2	1519	0.69
3	675	1.03
4	380	1.38
5	243	1.72

Optic Medium 3000K

R E I

05.9540.40
05.9541.40
05.9542.40
05.9543.40

05.9545.40
05.9544.40
05.9546.40
05.9547.40

05.9545.14
05.9544.14
05.9546.14
05.9547.14

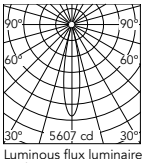
05.9544.ER
05.9547.ER

05.9544.ES
05.9548.ES

05.9544.EQ
05.9546.EQ

05.9544.TK
05.9546.TK

20°
MEDIUM



Luminous flux luminaire
657 lm
Internal Finish (I) · White

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	5607	0.34
2	1402	0.69
3	623	1.03
4	350	1.38
5	224	1.72

Zubehör / Accessories

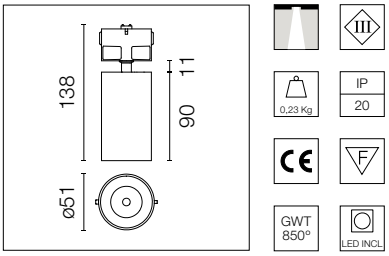
Light Shadow Pro Ø45 Push

Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0795.00

Nur in schwarz erhältlich. Andere Farben auf Anfrage. / Only available in black. For other colours, please ask.

Light Shadow Pro Ø45 Push

LED Array DC 700 mA 8,5W - 756 lm - 2700K/CRI 90 / 8,5W - 799 lm - 3000K/CRI 90 / 8,5W - 866 lm - 4000K/CRI 90



Leuchte mit 2x1 Funktionalität: funktioniert als Downlight (deckenbündiger Einbau) oder als Strahler (vollständig einstellbar). Der Wechsel von einer Position zur anderen erfolgt von Hand und durch einfaches Bewegen des Produktes.

Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

R = Finish Rückseite
E= Außenfarbe
I= Innenfarbe

R= Rear finish
E= External Finish
I= Internal Finish

Optic Flood 2700K

R E I

05.9520.40
05.9521.40
05.9522.40
05.9523.40

05.9525.40
05.9524.40
05.9526.40
05.9527.40

05.9525.14
05.9524.14
05.9526.14
05.9527.14

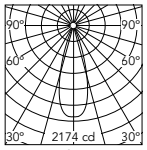
05.9524.ER
05.9527.ER

05.9524.ES
05.9528.ES

05.9524.EQ
05.9526.EQ

05.9524.TK
05.9526.TK

33°
FLOOD



Luminous flux luminaire
663 lm
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2173	0.58
2	543	1.17
3	241	1.75
4	136	2.34
5	87	2.92

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-240V 12W	60.8529A
Non Dimmable 100-277V 31W	60.9387
Non Dimmable 220-240V 32W	60.9592
Non Dimmable 220-240V 42W	60.7677
Dim Dali 2 220-240V 38W	60.7678
Dim Dali 2 220-240V 20W	60.9713.0700
Dim 1-10V/Push 110-240V	60.9208
Dim 1-10V	60.9845
Mains Dimming	60.9467
Mains Dimming	60.9692
Dim Casambi/Push	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Flood 3000K

R E I

05.9550.40
05.9551.40
05.9552.40
05.9553.40

05.9555.40
05.9554.40
05.9556.40
05.9557.40

05.9555.14
05.9554.14
05.9556.14
05.9557.14

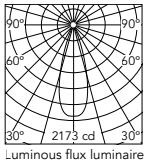
05.9554.ER
05.9557.ER

05.9554.ES
05.9558.ES

05.9554.EQ
05.9556.EQ

05.9554.TK
05.9556.TK

33°
FLOOD



Luminous flux luminaire
663 lm
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2172	0.58
2	543	1.17
3	241	1.75
4	136	2.34
5	87	2.92

Optic Flood 4000K

R E I

05.9580.40
05.9581.40
05.9582.40
05.9583.40

05.9585.40
05.9584.40
05.9586.40
05.9587.40

05.9585.14
05.9584.14
05.9586.14
05.9587.14

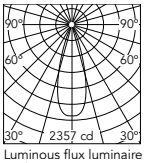
05.9584.ER
05.9587.ER

05.9584.ES
05.9588.ES

05.9584.EQ
05.9586.EQ

05.9584.TK
05.9586.TK

33°
FLOOD



Luminous flux luminaire
719 lm
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2355	0.58
2	589	1.17
3	262	1.75
4	147	2.34
5	94	2.92

Zubehör / Accessories

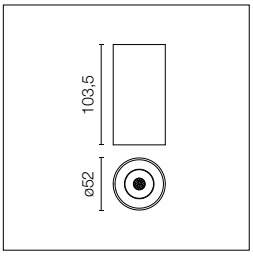
Light Shadow Pro Ø45 Push

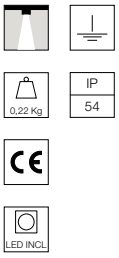
Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0795.00

Nur in schwarz erhältlich. Andere Farben auf Anfrage. / Only available in black. For other colours, please ask.

Light Shadow Pro Ø45 Surface

LED Array DC 250 mA 8,8W - 800 lm - 2700K/CRI 90 / 8,8W - 845 lm - 3000K/CRI 90 / 8,8W - 915 lm - 4000K/CRI 90





Aufbaustrahler. Integriertes 220-240V Netzteil. Schutzgrad IP54.

Luminaire for surface installation. Integrated 220-240 V power supply. IP54 watertightness.

E= Außenfarbe
I= Innenfarbe

E= External Finish
I= Internal Finish

Optic Spot

E I

2700K

05.2700.40
05.2701.40
05.2702.40
05.2703.40

05.2700.14
05.2701.14
05.2702.14
05.2703.14

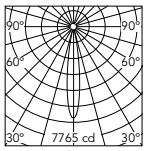
05.2701.ER
05.2703.ER

05.2701.ES
05.2704.ES

05.2701.EQ
05.2702.EQ

05.2701.TK
05.2702.TK

15° SPOT



Luminous flux luminaire
661 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7765	0.27
2	1941	0.54
3	863	0.81
4	485	1.08
5	311	1.35

3000K

05.2720.40
05.2721.40
05.2722.40
05.2723.40

05.2720.14
05.2721.14
05.2722.14
05.2723.14

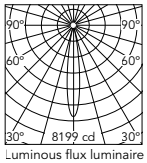
05.2721.ER
05.2723.ER

05.2721.ES
05.2724.ES

05.2721.EQ
05.2722.EQ

05.2721.TK
05.2722.TK

15° SPOT



Luminous flux luminaire
698 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8199	0.27
2	2050	0.54
3	911	0.81
4	512	1.08
5	328	1.35

4000K

05.2740.40
05.2741.40
05.2742.40
05.2743.40

05.2740.14
05.2741.14
05.2742.14
05.2743.14

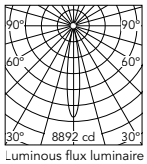
05.2741.ER
05.2743.ER

05.2741.ES
05.2744.ES

05.2741.EQ
05.2742.EQ

05.2741.TK
05.2742.TK

15° SPOT



Luminous flux luminaire
757 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8892	0.27
2	2223	0.54
3	988	0.81
4	556	1.08
5	356	1.35

Optic Medium

E I

2700K

05.2705.40
05.2706.40
05.2707.40
05.2708.40

05.2705.14
05.2706.14
05.2707.14
05.2708.14

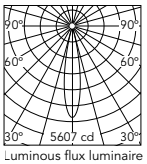
05.2706.ER
05.2708.ER

05.2706.ES
05.2709.ES

05.2706.EQ
05.2707.EQ

05.2706.TK
05.2707.TK

20° MEDIUM



Luminous flux luminaire
657 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5607	0.34
2	1402	0.69
3	623	1.03
4	350	1.38
5	224	1.72

3000K

05.2725.40
05.2726.40
05.2727.40
05.2728.40

05.2725.14
05.2726.14
05.2727.14
05.2728.14

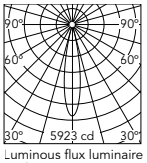
05.2726.ER
05.2728.ER

05.2726.ES
05.2729.ES

05.2726.EQ
05.2727.EQ

05.2726.TK
05.2727.TK

20° MEDIUM



Luminous flux luminaire
694 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5923	0.34
2	1481	0.69
3	658	1.03
4	370	1.38
5	237	1.72

4000K

05.2745.40
05.2746.40
05.2747.40
05.2748.40

05.2745.14
05.2746.14
05.2747.14
05.2748.14

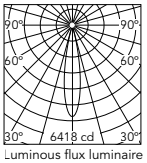
05.2746.ER
05.2748.ER

05.2746.ES
05.2749.ES

05.2746.EQ
05.2747.EQ

05.2746.TK
05.2747.TK

20° MEDIUM



Luminous flux luminaire
752 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	6418	0.34
2	1604	0.69
3	713	1.03
4	401	1.38
5	257	1.72

Optic Flood

E I **2700K**

05.2710.40
05.2711.40
05.2712.40
05.2713.40

05.2710.14
05.2711.14
05.2712.14
05.2713.14

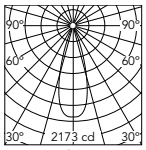
05.2711.ER
05.2713.ER

05.2711.ES
05.2714.ES

05.2711.EQ
05.2712.EQ

05.2711.TK
05.2712.TK

33°
FLOOD



Luminous flux luminaire
663 lm [EXTREME CUT OFF]
Internal Finish (I) · White

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	2172	0.58
2	543	1.17
3	241	1.75
4	136	2.34
5	87	2.92

3000K

05.2730.40
05.2731.40
05.2732.40
05.2733.40

05.2730.14
05.2731.14
05.2732.14
05.2733.14

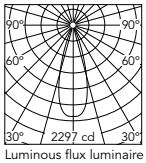
05.2731.ER
05.2733.ER

05.2731.ES
05.2734.ES

05.2731.EQ
05.2732.EQ

05.2731.TK
05.2732.TK

33°
FLOOD



Luminous flux luminaire
701 lm [EXTREME CUT OFF]
Internal Finish (I) · White

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	2296	0.58
2	574	1.17
3	255	1.75
4	144	2.34
5	92	2.92

4000K

05.2750.40
05.2751.40
05.2752.40
05.2753.40

05.2750.14
05.2751.14
05.2752.14
05.2753.14

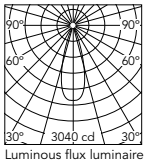
05.2751.ER
05.2753.ER

05.2751.ES
05.2754.ES

05.2751.EQ
05.2752.EQ

05.2751.TK
05.2752.TK

33°
FLOOD

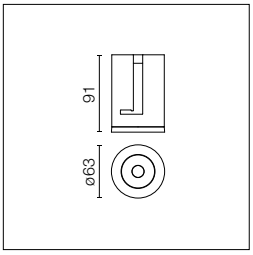


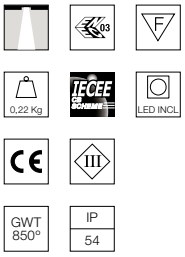
Luminous flux luminaire
760 lm [EXTREME CUT OFF]
Internal Finish (I) · White

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	2490	0.58
2	622	1.17
3	277	1.75
4	156	2.34
5	100	2.92

Light Shadow Pro Ø60 Fixed

LED Array DC Up to 400 mA 15W - 1402 lm - 2700K/CRI 90 / 15W - 1427 lm - 3000K/CRI 90 / 15W - 1577 lm - 4000K/CRI 90
LED Array DC 250 mA** 9.5W - 883 lm - 2700K/CRI 90 / 9.5W - 950 lm - 3000K/CRI 90 / 9.5W - 1009 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung für die Einsetzung in Einbaurahmen (nicht inbegriffen). Installation mittels Bajonettsystem mit austauschbaren Spots. Remote-Treiber nicht enthalten.

**Bitte wählen Sie 250 mA Einstellung im Remote-Treiber, um die Leistung der "Adjustable" Version zu entsprechen.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

**Please select 250 mA setting in the remote driver to match the power of the Adjustable version.

Empfohlene Netzgeräte / Recommended power supply*:

	250mA	400mA
Non Dimmable 220-240V	60.9160	60.7677
Mains Dimming	60.9467	60.9467
Dim 1-10V 220-240V	60.9405	60.9439
Dim 0/1-10V/Push 110-240V	60.9188	60.9188
Dim Dali 2 220-240V	60.7678	60.7678
Dim Dali 2 110-240V	60.9222	60.9222
Dim Casambi	60.9874.0250	60.9207

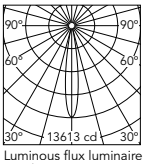
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot

2700K

03.9950.40A
03.9950.14
03.9950.ER
03.9950.ES
03.9950.EQ

16° SPOT



Luminous flux luminaire 1191 lm

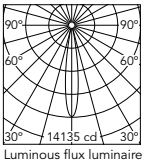
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13613	0.27
2	3403	0.55
3	1513	0.82
4	850	1.09
5	544	1.36

3000K

03.9954.40A
03.9954.14
03.9954.ER
03.9954.ES
03.9954.EQ

16° SPOT



Luminous flux luminaire 1237 lm

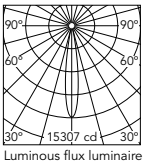
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	14135	0.27
2	3533	0.55
3	1571	0.82
4	883	1.09
5	565	1.36

4000K

03.9910.40A
03.9910.14
03.9910.ER
03.9910.ES
03.9910.EQ

16° SPOT



Luminous flux luminaire 1339 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	15307	0.27
2	3826	0.55
3	1701	0.82
4	956	1.09
5	612	1.36

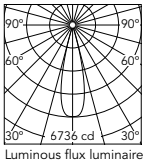
Internal Finish (I) · White

Optic Medium

2700K

03.9951.40A
03.9951.14
03.9951.ER
03.9951.ES
03.9951.EQ

25° MEDIUM



Luminous flux luminaire 1180 lm

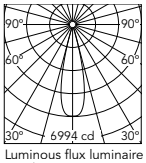
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6736	0.45
2	1684	0.90
3	748	1.36
4	421	1.81
5	269	2.26

3000K

03.9955.40A
03.9955.14
03.9955.ER
03.9955.ES
03.9955.EQ

25° MEDIUM



Luminous flux luminaire 1226 lm

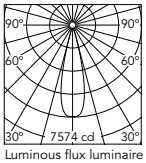
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6994	0.45
2	1749	0.90
3	777	1.36
4	438	1.81
5	279	2.26

4000K

03.9911.40A
03.9911.14
03.9911.ER
03.9911.ES
03.9911.EQ

25° MEDIUM



Luminous flux luminaire 1327 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	7574	0.45
2	1894	0.90
3	841	1.36
4	474	1.81
5	303	2.26

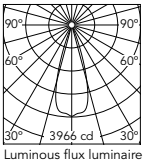
Internal Finish (I) · White

Optic Flood

2700K

03.9952.40A
03.9952.14
03.9952.ER
03.9952.ES
03.9952.EQ

34° FLOOD



Luminous flux luminaire 1201 lm

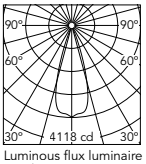
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3966	0.61
2	992	1.22
3	441	1.83
4	247	2.44
5	158	3.05

3000K

03.9956.40A
03.9956.14
03.9956.ER
03.9956.ES
03.9956.EQ

34° FLOOD



Luminous flux luminaire 1247 lm

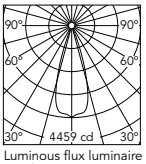
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	4118	0.61
2	1030	1.22
3	458	1.83
4	257	2.44
5	165	3.05

4000K

03.9912.40A
03.9912.14
03.9912.ER
03.9912.ES
03.9912.EQ

34° FLOOD



Luminous flux luminaire 1350 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	4459	0.61
2	1115	1.22
3	495	1.83
4	278	2.44
5	178	3.05

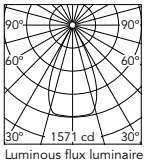
Internal Finish (I) · White

Optic Wide Flood

2700K

03.9953.40A
03.9953.14
03.9953.ER
03.9953.ES
03.9953.EQ

51° WIDE FLOOD



Luminous flux luminaire 1171 lm

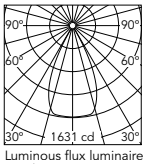
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1571	0.95
2	393	1.89
3	174	2.84
4	98	3.79
5	63	4.74

3000K

03.9957.40A
03.9957.14
03.9957.ER
03.9957.ES
03.9957.EQ

51° WIDE FLOOD



Luminous flux luminaire 1216 lm

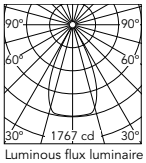
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1631	0.95
2	408	1.89
3	181	2.84
4	102	3.79
5	66	4.74

4000K

03.9913.40A
03.9913.14
03.9913.ER
03.9913.ES
03.9913.EQ

51° WIDE FLOOD



Luminous flux luminaire 1316 lm

Beam Angle: 51°

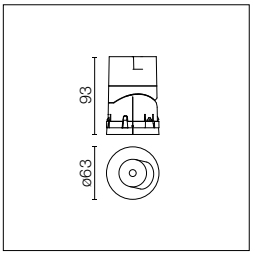
h(m)	E(lx)	D(m)
1	1767	0.95
2	442	1.89
3	196	2.84
4	111	3.79
5	71	4.74

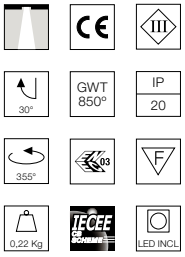
Internal Finish (I) · White

*Multipack erhältlich (36 Stück pro Box). Wie zu bestellen: "Ersetzen Sie die 0 am Anfang durch ein M + Referenz". Beispiel: 03.9950.40A - M3.9950.40A
*Multipack available (36 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.9950.40A - M3.9950.40A

Light Shadow Pro Ø60 Adjustable

LED Array DC 800 mA 10,5W - 888 lm - 2700K/CRI 90 / 10,5W - 923 lm - 3000K/CRI 90 / 10,5W - 963 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung für die Einsetzung in Einbaurahmen (nicht inbegriffen) mit austauschbaren Spots. Remote-Treiber nicht enthalten.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 220-240V	60.7677
Mains Dimming	60.9467
Dim 1-10V 220-240V	60.9439
Dim 0/1-10V/Push 110-240V	60.9188
Dim Dali 2 220-240V	60.7678
Dim Casambi	60.9207

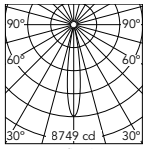
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot

2700K

- 03.9971.40B
- 03.9971.14A
- 03.9971.ERA
- 03.9971.ESA
- 03.9971.EQA

16° SPOT



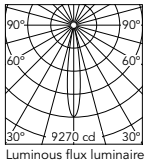
Luminous flux luminaire 722 lm

Beam Angle:	16°
h(m) E(lx)	D(m)
1 8749	0.28
2 2187	0.55
3 972	0.83
4 547	1.11
5 350	1.39

3000K

- 03.9976.40B
- 03.9976.14A
- 03.9976.ERA
- 03.9976.ESA
- 03.9976.EQA

16° SPOT



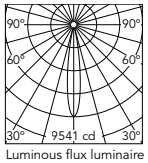
Luminous flux luminaire 765 lm

Beam Angle:	16°
h(m) E(lx)	D(m)
1 9270	0.28
2 2317	0.55
3 1030	0.83
4 579	1.11
5 371	1.39

4000K

- 03.9931.40B
- 03.9931.14A
- 03.9931.ERA
- 03.9931.ESA
- 03.9931.EQA

16° SPOT



Luminous flux luminaire 787 lm

Beam Angle:	16°
h(m) E(lx)	D(m)
1 9541	0.28
2 2385	0.55
3 1060	0.83
4 596	1.11
5 382	1.39

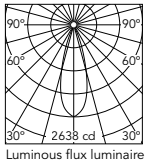
Internal Finish (I) · White

Optic Flood

2700K

- 03.9973.40B
- 03.9973.14A
- 03.9973.ERA
- 03.9973.ESA
- 03.9973.EQA

31° FLOOD



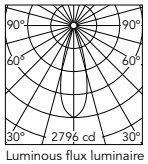
Luminous flux luminaire 738 lm

Beam Angle:	31°
h(m) E(lx)	D(m)
1 2638	0.56
2 659	1.11
3 293	1.67
4 165	2.23
5 106	2.79

3000K

- 03.9978.40B
- 03.9978.14A
- 03.9978.ERA
- 03.9978.ESA
- 03.9978.EQA

31° FLOOD



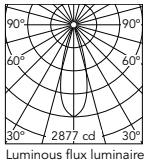
Luminous flux luminaire 782 lm

Beam Angle:	31°
h(m) E(lx)	D(m)
1 2796	0.56
2 699	1.11
3 311	1.67
4 174	2.23
5 112	2.79

4000K

- 03.9933.40B
- 03.9933.14A
- 03.9933.ERA
- 03.9933.ESA
- 03.9933.EQA

31° FLOOD



Luminous flux luminaire 805 lm

Beam Angle:	31°
h(m) E(lx)	D(m)
1 2877	0.56
2 719	1.11
3 320	1.67
4 180	2.23
5 115	2.79

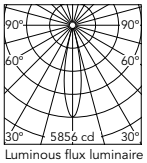
Internal Finish (I) · White

Optic Medium

2700K

- 03.9972.40B
- 03.9972.14A
- 03.9972.ERA
- 03.9972.ESA
- 03.9972.EQA

21° MEDIUM



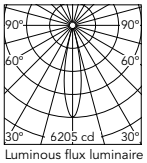
Luminous flux luminaire 728 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5856	0.37
2 1464	0.73
3 651	1.10
4 366	1.47
5 234	1.83

3000K

- 03.9977.40B
- 03.9977.14A
- 03.9977.ERA
- 03.9977.ESA
- 03.9977.EQA

21° MEDIUM



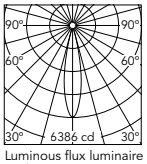
Luminous flux luminaire 771 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 6205	0.37
2 1552	0.73
3 689	1.10
4 388	1.47
5 248	1.83

4000K

- 03.9932.40B
- 03.9932.14A
- 03.9932.ERA
- 03.9932.ESA
- 03.9932.EQA

21° MEDIUM



Luminous flux luminaire 794 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 6386	0.37
2 1597	0.73
3 710	1.10
4 399	1.47
5 256	1.83

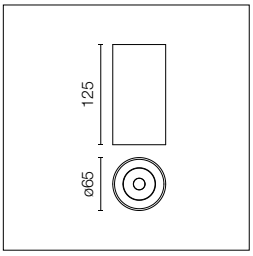
Internal Finish (I) · White

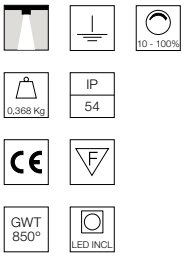
*Multipack erhältlich (36 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.9971.40B - M3.9971.40B

*Multipack available (36 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.9971.40B - M3.9971.40B

Light Shadow Pro Ø60 Surface

LED Array DC Up to 350 mA 15W - 1185 lm - 2700K/CRI 90 / 15W - 1275 lm - 3000K/CRI 90 / 15W - 1355 lm - 4000K/CRI 90





Aufbaustrahler. Integriertes 220-240V Netzteil. Für die dimmbaren Ausführungen informieren Sie sich bitte über die empfohlenen Dimmer. Schutzgrad IP54.

Luminaire for surface installation. Integrated 220-240 V power supply. For dimmable versions, please refer to the recommended dimmers. IP54 watertightness.

E= Außenfarbe
I= Innenfarbe

E= External Finish
I= Internal Finish

Non Dimmable

E I

Optic Spot - 2700K

05.2600.40
05.2601.40
05.2602.40
05.2603.40

05.2600.14
05.2601.14
05.2602.14
05.2603.14

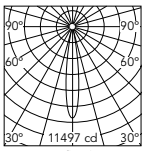
05.2601.ER
05.2603.ER

05.2601.ES
05.2604.ES

05.2601.EQ
05.2602.EQ

05.2601.TK
05.2602.TK

16° SPOT



Luminous flux luminaire 1006 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	11497	0.27
2	2874	0.55
3	1277	0.82
4	719	1.09
5	460	1.36

Optic Spot - 3000K

05.2620.40
05.2621.40
05.2622.40
05.2623.40

05.2620.14
05.2621.14
05.2622.14
05.2623.14

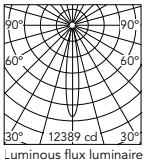
05.2621.ER
05.2623.ER

05.2621.ES
05.2624.ES

05.2621.EQ
05.2622.EQ

05.2621.TK
05.2622.TK

16° SPOT



Luminous flux luminaire 1084 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12389	0.27
2	3097	0.55
3	1377	0.82
4	774	1.09
5	496	1.36

Optic Spot - 4000K

05.2640.40
05.2641.40
05.2642.40
05.2643.40

05.2640.14
05.2641.14
05.2642.14
05.2643.14

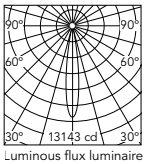
05.2641.ER
05.2643.ER

05.2641.ES
05.2644.ES

05.2641.EQ
05.2642.EQ

05.2641.TK
05.2642.TK

16° SPOT



Luminous flux luminaire 1150 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13143	0.27
2	3286	0.55
3	1460	0.82
4	821	1.09
5	526	1.36

Mains Dimming

E I

Optic Spot -2700K

05.2600.40.NI
05.2601.40.NI
05.2602.40.NI
05.2603.40.NI

05.2600.14.NI
05.2601.14.NI
05.2602.14.NI
05.2603.14.NI

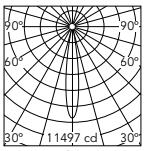
05.2601.ER.NI
05.2603.ER.NI

05.2601.ES.NI
05.2604.ES.NI

05.2601.EQ.NI
05.2602.EQ.NI

05.2601.TK.NI
05.2602.TK.NI

16° SPOT



Luminous flux luminaire 1006 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	11497	0.27
2	2874	0.55
3	1277	0.82
4	719	1.09
5	460	1.36

Optic Spot - 3000K

05.2620.40.NI
05.2621.40.NI
05.2622.40.NI
05.2623.40.NI

05.2620.14.NI
05.2621.14.NI
05.2622.14.NI
05.2623.14.NI

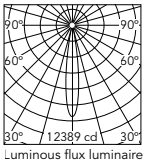
05.2621.ER.NI
05.2623.ER.NI

05.2621.ES.NI
05.2624.ES.NI

05.2621.EQ.NI
05.2622.EQ.NI

05.2621.TK.NI
05.2622.TK.NI

16° SPOT



Luminous flux luminaire 1084 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12389	0.27
2	3097	0.55
3	1377	0.82
4	774	1.09
5	496	1.36

Optic Spot - 4000K

05.2640.40.NI
05.2641.40.NI
05.2642.40.NI
05.2643.40.NI

05.2640.14.NI
05.2641.14.NI
05.2642.14.NI
05.2643.14.NI

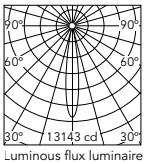
05.2641.ER.NI
05.2643.ER.NI

05.2641.ES.NI
05.2644.ES.NI

05.2641.EQ.NI
05.2642.EQ.NI

05.2641.TK.NI
05.2642.TK.NI

16° SPOT



Luminous flux luminaire 1150 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13143	0.27
2	3286	0.55
3	1460	0.82
4	821	1.09
5	526	1.36

Non Dimmable

E I

Optic Medium - 2700K

05.2605.40
05.2606.40
05.2607.40
05.2608.40

05.2605.14
05.2606.14
05.2607.14
05.2608.14

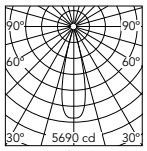
05.2606.ER
05.2608.ER

05.2606.ES
05.2609.ES

05.2606.EQ
05.2607.EQ

05.2606.TK
05.2607.TK

25°
MEDIUM



Luminous flux luminaire
997 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5690	0.45
2	1422	0.90
3	632	1.36
4	356	1.81
5	228	2.26

Optic Medium - 3000K

05.2625.40
05.2626.40
05.2627.40
05.2628.40

05.2625.14
05.2626.14
05.2627.14
05.2628.14

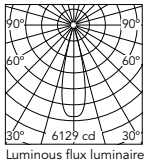
05.2626.ER
05.2628.ER

05.2626.ES
05.2629.ES

05.2626.EQ
05.2627.EQ

05.2626.TK
05.2627.TK

25°
MEDIUM



Luminous flux luminaire
1074 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6129	0.45
2	1532	0.90
3	681	1.36
4	383	1.81
5	245	2.26

Optic Medium - 4000K

05.2645.40
05.2646.40
05.2647.40
05.2648.40

05.2645.14
05.2646.14
05.2647.14
05.2648.14

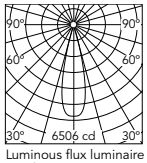
05.2646.ER
05.2648.ER

05.2646.ES
05.2649.ES

05.2646.EQ
05.2647.EQ

05.2646.TK
05.2647.TK

25°
MEDIUM



Luminous flux luminaire
1140 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6506	0.45
2	1626	0.90
3	723	1.36
4	407	1.81
5	260	2.26

Mains Dimming

E I

Optic Medium - 2700K

05.2605.40.NI
05.2606.40.NI
05.2607.40.NI
05.2608.40.NI

05.2605.14.NI
05.2606.14.NI
05.2607.14.NI
05.2608.14.NI

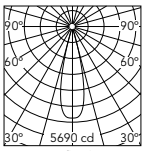
05.2606.ER.NI
05.2608.ER.NI

05.2606.ES.NI
05.2609.ES.NI

05.2606.EQ.NI
05.2607.EQ.NI

05.2606.TK.NI
05.2607.TK.NI

25°
MEDIUM



Luminous flux luminaire
997 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5690	0.45
2	1422	0.90
3	632	1.36
4	356	1.81
5	228	2.26

Optic Medium - 3000K

05.2625.40.NI
05.2626.40.NI
05.2627.40.NI
05.2628.40.NI

05.2625.14.NI
05.2626.14.NI
05.2627.14.NI
05.2628.14.NI

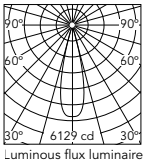
05.2626.ER.NI
05.2628.ER.NI

05.2626.ES.NI
05.2629.ES.NI

05.2626.EQ.NI
05.2627.EQ.NI

05.2626.TK.NI
05.2627.TK.NI

25°
MEDIUM



Luminous flux luminaire
1074 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6129	0.45
2	1532	0.90
3	681	1.36
4	383	1.81
5	245	2.26

Optic Medium - 4000K

05.2645.40.NI
05.2646.40.NI
05.2647.40.NI
05.2648.40.NI

05.2645.14.NI
05.2646.14.NI
05.2647.14.NI
05.2648.14.NI

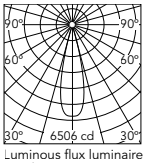
05.2646.ER.NI
05.2648.ER.NI

05.2646.ES.NI
05.2649.ES.NI

05.2646.EQ.NI
05.2647.EQ.NI

05.2646.TK.NI
05.2647.TK.NI

25°
MEDIUM



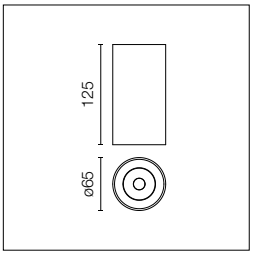
Luminous flux luminaire
1140 lm
Internal Finish (I) · White

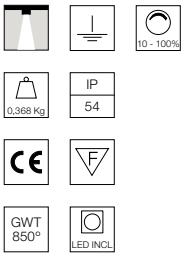
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6506	0.45
2	1626	0.90
3	723	1.36
4	407	1.81
5	260	2.26

Light Shadow Pro Ø60 Surface

LED Array DC Up to 350 mA 15W - 1185 lm - 2700K/CRI 90 / 15W - 1275 lm - 3000K/CRI 90 / 15W - 1355 lm - 4000K/CRI 90





Aufbaustrahler. Integriertes 220-240V Netzteil. Für die dimmbaren Ausführungen informieren Sie sich bitte über die empfohlenen Dimmer. Schutzgrad IP54.

E= Außenfarbe
I= Innenfarbe

Luminaire for surface installation. Integrated 220-240 V power supply. For dimmable versions, please refer to the recommended dimmers. IP54 watertightness.

E= External Finish
I= Internal Finish

Non Dimmable

E I

Optic Flood - 2700K

05.2610.40
05.2611.40
05.2612.40
05.2613.40

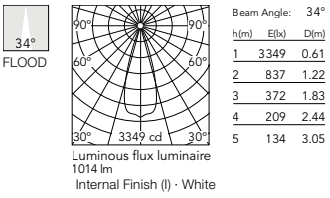
05.2610.14
05.2611.14
05.2612.14
05.2613.14

05.2611.ER
05.2613.ER

05.2611.ES
05.2614.ES

05.2611.EQ
05.2612.EQ

05.2611.TK
05.2612.TK



Luminous flux luminaire
1014 lm
Internal Finish (I) · White

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3349 0.61
2	837 1.22
3	372 1.83
4	209 2.44
5	134 3.05

Optic Flood - 3000K

05.2630.40
05.2631.40
05.2632.40
05.2633.40

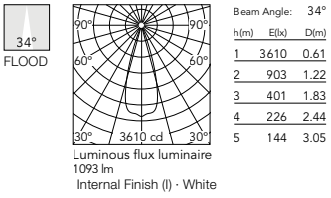
05.2630.14
05.2631.14
05.2632.14
05.2633.14

05.2631.ER
05.2633.ER

05.2631.ES
05.2634.ES

05.2631.EQ
05.2632.EQ

05.2631.TK
05.2632.TK



Luminous flux luminaire
1093 lm
Internal Finish (I) · White

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3610 0.61
2	903 1.22
3	401 1.83
4	226 2.44
5	144 3.05

Optic Flood - 4000K

05.2650.40
05.2651.40
05.2652.40
05.2653.40

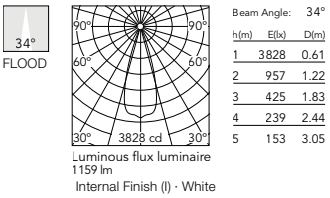
05.2650.14
05.2651.14
05.2652.14
05.2653.14

05.2651.ER
05.2653.ER

05.2651.ES
05.2654.ES

05.2651.EQ
05.2652.EQ

05.2651.TK
05.2652.TK



Luminous flux luminaire
1159 lm
Internal Finish (I) · White

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3828 0.61
2	957 1.22
3	425 1.83
4	239 2.44
5	153 3.05

Mains Dimming

E I

Optic Flood - 2700K

05.2610.40.NI
05.2611.40.NI
05.2612.40.NI
05.2613.40.NI

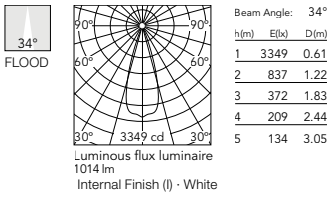
05.2610.14.NI
05.2611.14.NI
05.2612.14.NI
05.2613.14.NI

05.2611.ER.NI
05.2613.ER.NI

05.2611.ES.NI
05.2614.ES.NI

05.2611.EQ.NI
05.2612.EQ.NI

05.2611.TK.NI
05.2612.TK.NI



Luminous flux luminaire
1014 lm
Internal Finish (I) · White

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3349 0.61
2	837 1.22
3	372 1.83
4	209 2.44
5	134 3.05

Optic Flood - 3000K

05.2630.40.NI
05.2631.40.NI
05.2632.40.NI
05.2633.40.NI

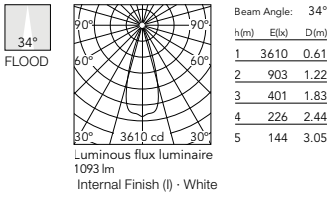
05.2630.14.NI
05.2631.14.NI
05.2632.14.NI
05.2633.14.NI

05.2631.ER.NI
05.2633.ER.NI

05.2631.ES.NI
05.2634.ES.NI

05.2631.EQ.NI
05.2632.EQ.NI

05.2631.TK.NI
05.2632.TK.NI



Luminous flux luminaire
1093 lm
Internal Finish (I) · White

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3610 0.61
2	903 1.22
3	401 1.83
4	226 2.44
5	144 3.05

Optic Flood - 4000K

05.2650.40.NI
05.2651.40.NI
05.2652.40.NI
05.2653.40.NI

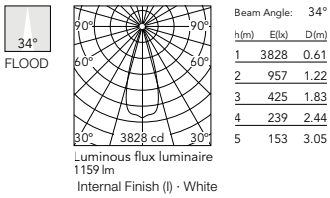
05.2650.14.NI
05.2651.14.NI
05.2652.14.NI
05.2653.14.NI

05.2651.ER.NI
05.2653.ER.NI

05.2651.ES.NI
05.2654.ES.NI

05.2651.EQ.NI
05.2652.EQ.NI

05.2651.TK.NI
05.2652.TK.NI



Luminous flux luminaire
1159 lm
Internal Finish (I) · White

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3828 0.61
2	957 1.22
3	425 1.83
4	239 2.44
5	153 3.05

Non Dimmable

Optic Wide Flood - 2700K

E I

05.2615.40
05.2616.40
05.2617.40
05.2618.40

05.2615.14
05.2616.14
05.2617.14
05.2618.14

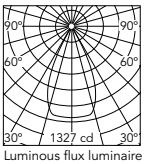
05.2616.ER
05.2618.ER

05.2616.ES
05.2619.ES

05.2616.EQ
05.2617.EQ

05.2616.TK
05.2617.TK

51°
WIDE
FLOOD



Luminous flux luminaire
989 lm
Internal Finish (I) · White

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1327	0.95
2	332	1.89
3	147	2.84
4	83	3.79
5	53	4.74

Optic Wide Flood - 3000K

05.2635.40
05.2636.40
05.2637.40
05.2638.40

05.2635.14
05.2636.14
05.2637.14
05.2638.14

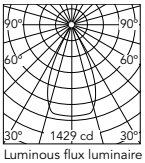
05.2636.ER
05.2638.ER

05.2636.ES
05.2639.ES

05.2636.EQ
05.2637.EQ

05.2636.TK
05.2637.TK

51°
WIDE
FLOOD



Luminous flux luminaire
1065 lm
Internal Finish (I) · White

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1429	0.95
2	357	1.89
3	159	2.84
4	89	3.79
5	57	4.74

Optic Wide Flood - 4000K

05.2655.40
05.2656.40
05.2657.40
05.2658.40

05.2655.14
05.2656.14
05.2657.14
05.2658.14

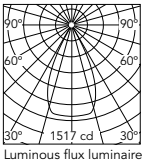
05.2656.ER
05.2658.ER

05.2656.ES
05.2659.ES

05.2656.EQ
05.2657.EQ

05.2656.TK
05.2657.TK

51°
WIDE
FLOOD



Luminous flux luminaire
1130 lm
Internal Finish (I) · White

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1517	0.95
2	379	1.89
3	169	2.84
4	95	3.79
5	61	4.74

Mains Dimming

Optic Wide Flood - 2700K

E I

05.2615.40.NI
05.2616.40.NI
05.2617.40.NI
05.2618.40.NI

05.2615.14.NI
05.2616.14.NI
05.2617.14.NI
05.2618.14.NI

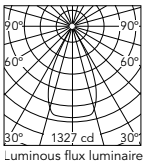
05.2616.ER.NI
05.2618.ER.NI

05.2616.ES.NI
05.2619.ES.NI

05.2616.EQ.NI
05.2617.EQ.NI

05.2616.TK.NI
05.2617.TK.NI

51°
WIDE
FLOOD



Luminous flux luminaire
989 lm
Internal Finish (I) · White

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1327	0.95
2	332	1.89
3	147	2.84
4	83	3.79
5	53	4.74

Optic Wide Flood - 3000K

05.2635.40.NI
05.2636.40.NI
05.2637.40.NI
05.2638.40.NI

05.2635.14.NI
05.2636.14.NI
05.2637.14.NI
05.2638.14.NI

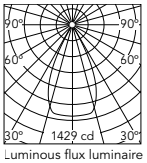
05.2636.ER.NI
05.2638.ER.NI

05.2636.ES.NI
05.2639.ES.NI

05.2636.EQ.NI
05.2637.EQ.NI

05.2636.TK.NI
05.2637.TK.NI

51°
WIDE
FLOOD



Luminous flux luminaire
1065 lm
Internal Finish (I) · White

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1429	0.95
2	357	1.89
3	159	2.84
4	89	3.79
5	57	4.74

Optic Wide Flood - 4000K

05.2655.40.NI
05.2656.40.NI
05.2657.40.NI
05.2658.40.NI

05.2655.14.NI
05.2656.14.NI
05.2657.14.NI
05.2658.14.NI

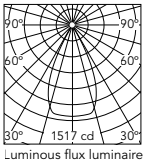
05.2656.ER.NI
05.2658.ER.NI

05.2656.ES.NI
05.2659.ES.NI

05.2656.EQ.NI
05.2657.EQ.NI

05.2656.TK.NI
05.2657.TK.NI

51°
WIDE
FLOOD



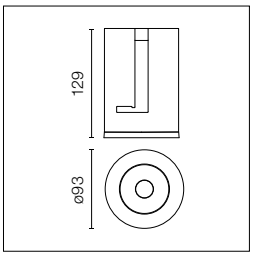
Luminous flux luminaire
1130 lm
Internal Finish (I) · White

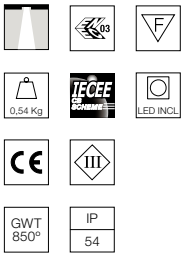
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1517	0.95
2	379	1.89
3	169	2.84
4	95	3.79
5	61	4.74

Light Shadow Pro Ø90 Fixed

Super Spot: LED Array DC 500 mA 18W - 1636 lm - 2700K/CRI 90 / 18W - 1723 lm - 3000K/CRI 90 / 18W - 1815 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 600 mA 22W - 2191 lm - 2700K/CRI 90 / 22W - 2339 lm - 3000K/CRI 90 / 22W - 2457 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 500 mA** 18W - 1803 lm - 2700K/CRI 90 / 18W - 1921 lm - 3000K/CRI 90 / 18W - 2057 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung für die Einsetzung in Einbaurahmen (nicht inbegriffen). Installation mittels Bajonettsystem mit austauschbaren Spots. Remote-Treiber nicht enthalten.

**Bitte wählen Sie 500 mA Einstellung im Remote-Treiber, um die Leistung der "Adjustable" Version zu entsprechen.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

**Please select 500 mA setting in the remote driver to match the power of the Adjustable version.

Empfohlene Netzgeräte / Recommended power supply*:

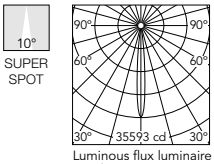
	500mA	600mA
Non Dimmable 220-240V	60.7677	60.7677
Non Dimmable 110-240V	60.9387	60.9387
Mains Dimming	60.9467	60.9692
Dim 1-10V 220-240V	60.9439	60.9439
Dim 0/1-10V/Push 110-240V	60.9188	60.8533
Dim Dali 2 220-240V	60.7678	60.7678
Dim Casambi	60.9207	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Super Spot

2700K

03.9968.40A
03.9968.14
03.9968.ER
03.9968.ES
03.9968.EQ



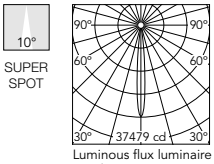
Luminous flux luminaire 1300 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	35593	0.17
2	8898	0.34
3	3955	0.51
4	2225	0.67
5	1424	0.84

3000K

03.9969.40A
03.9969.14
03.9969.ER
03.9969.ES
03.9969.EQ



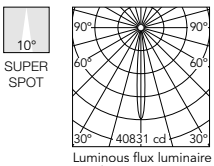
Luminous flux luminaire 1368 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	37479	0.17
2	9370	0.34
3	4164	0.51
4	2342	0.67
5	1499	0.84

4000K

03.9924.40A
03.9924.14
03.9924.ER
03.9924.ES
03.9924.EQ



Luminous flux luminaire 1491 lm

Beam Angle: 10°

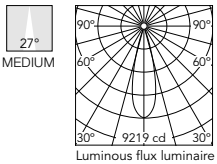
h(m)	E(lx)	D(m)
1	40831	0.17
2	10208	0.34
3	4537	0.51
4	2552	0.67
5	1633	0.84

Internal Finish (I) · White

Optic Medium

2700K

03.9961.40A
03.9961.14
03.9961.ER
03.9961.ES
03.9961.EQ



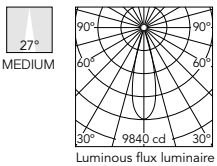
Luminous flux luminaire 1814 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	9219	0.48
2	2305	0.95
3	1024	1.43
4	576	1.90
5	369	2.38

3000K

03.9965.40A
03.9965.14
03.9965.ER
03.9965.ES
03.9965.EQ



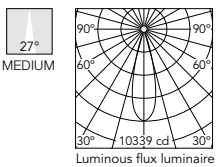
Luminous flux luminaire 1936 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	9840	0.48
2	2460	0.95
3	1093	1.43
4	615	1.90
5	394	2.38

4000K

03.9921.40A
03.9921.14
03.9921.ER
03.9921.ES
03.9921.EQ



Luminous flux luminaire 2034 lm

Beam Angle: 27°

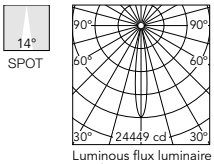
h(m)	E(lx)	D(m)
1	10339	0.48
2	2585	0.95
3	1149	1.43
4	646	1.90
5	414	2.38

Internal Finish (I) · White

Optic Spot

2700K

03.9960.40A
03.9960.14
03.9960.ER
03.9960.ES
03.9960.EQ



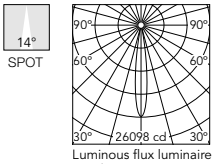
Luminous flux luminaire 1786 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	24449	0.25
2	6112	0.50
3	2717	0.75
4	1528	1.00
5	978	1.25

3000K

03.9964.40A
03.9964.14
03.9964.ER
03.9964.ES
03.9964.EQ



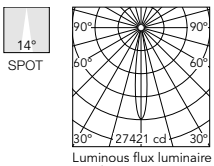
Luminous flux luminaire 1906 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	26098	0.25
2	6524	0.50
3	2900	0.75
4	1631	1.00
5	1044	1.25

4000K

03.9920.40A
03.9920.14
03.9920.ER
03.9920.ES
03.9920.EQ



Luminous flux luminaire 2003 lm

Beam Angle: 14°

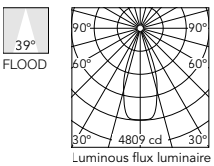
h(m)	E(lx)	D(m)
1	27421	0.25
2	6855	0.50
3	3047	0.75
4	1714	1.00
5	1097	1.25

Internal Finish (I) · White

Optic Flood

2700K

03.9962.40A
03.9962.14
03.9962.ER
03.9962.ES
03.9962.EQ



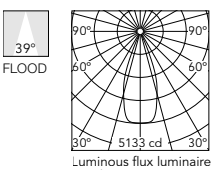
Luminous flux luminaire 1760 lm

Beam Angle: 39°

h(m)	E(lx)	D(m)
1	4809	0.71
2	1202	1.42
3	534	2.13
4	301	2.85
5	192	3.56

3000K

03.9966.40A
03.9966.14
03.9966.ER
03.9966.ES
03.9966.EQ



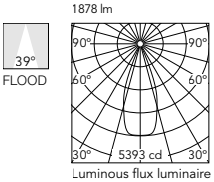
Luminous flux luminaire 1878 lm

Beam Angle: 39°

h(m)	E(lx)	D(m)
1	5133	0.71
2	1283	1.42
3	570	2.13
4	321	2.85
5	205	3.56

4000K

03.9922.40A
03.9922.14
03.9922.ER
03.9922.ES
03.9922.EQ



Luminous flux luminaire 1974 lm

Beam Angle: 39°

h(m)	E(lx)	D(m)
1	5393	0.71
2	1348	1.42
3	599	2.13
4	337	2.85
5	216	3.56

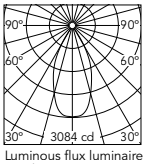
Internal Finish (I) · White

Optic Wide Flood

2700K

03.9963.40A
03.9963.14
03.9963.ER
03.9963.ES
03.9963.EQ

WIDE FLOOD



Luminous flux luminaire
1872 lm

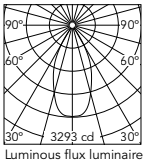
Beam Angle: 48°

h(m)	E(lx)	D(m)
1	3084	0.89
2	771	1.79
3	343	2.68
4	193	3.58
5	123	4.47

3000K

03.9967.40A
03.9967.14
03.9967.ER
03.9967.ES
03.9967.EQ

WIDE FLOOD



Luminous flux luminaire
1999 lm

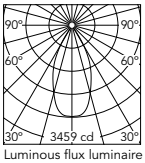
Beam Angle: 48°

h(m)	E(lx)	D(m)
1	3293	0.89
2	823	1.79
3	366	2.68
4	206	3.58
5	132	4.47

4000K

03.9923.40A
03.9923.14
03.9923.ER
03.9923.ES
03.9923.EQ

WIDE FLOOD



Luminous flux luminaire
2100 lm

Beam Angle: 48°

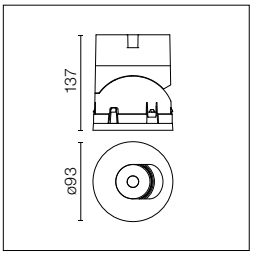
h(m)	E(lx)	D(m)
1	3459	0.89
2	865	1.79
3	384	2.68
4	216	3.58
5	138	4.47

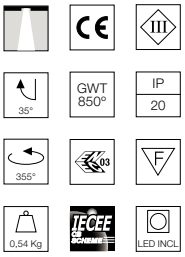
Internal Finish (I) · White

*Multipack erhältlich (24 Stück pro Box). Wie zu bestellen: “Ersetzen Sie die 0 am Anfang durch ein M + Referenz”. Beispiel: 03.9968.40A - M3.9968.40A
*Multipack available (24 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.9968.40A - M3.9968.40A

Light Shadow Pro Ø90 Adjustable

Super Spot: LED Array DC 800 mA 10W - 870 lm - 2700K/CRI 90 / 10W - 914 lm - 3000K/CRI 90 / 10W - 949 lm - 4000K/CRI 90
S/M/F: LED Array DC 500 mA 18W - 1637 lm - 2700K/CRI 90 / 18W - 1722 lm - 3000K/CRI 90 / 18W - 1877 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung für die Einsetzung in Einbaurahmen (nicht inbegriffen) mit austauschbaren Spots. Remote-Treiber nicht enthalten.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Empfohlene Netzgeräte / Recommended power supply*:

	500mA 18W	800mA 10W
Non Dimmable 220-240V	60.7677	60.7677
Mains Dimming	60.9467	60.9467
Dim 1-10V 220-240V	60.9439	60.9439
Dim 0/1-10V/Push 110-240V	60.9188	60.9188
Dim Dali 2 220-240V	60.7678	60.7678
Dim Dali 2 110-240V	60.9222	
Dim Casambi	60.9207	60.9207

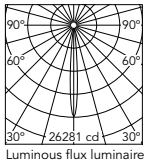
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Super Spot

2700K

- 03.9980.40A
- 03.9980.14
- 03.9980.ER
- 03.9980.ES
- 03.9980.EQ

9° SUPER SPOT



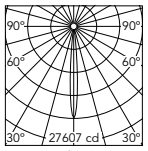
Luminous flux luminaire 770 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 26281	0.16
2 6570	0.31
3 2920	0.47
4 1643	0.62
5 1051	0.78

3000K

- 03.9985.40A
- 03.9985.14
- 03.9985.ER
- 03.9985.ES
- 03.9985.EQ

9° SUPER SPOT



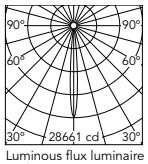
Luminous flux luminaire 808 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 27607	0.16
2 6902	0.31
3 3067	0.47
4 1725	0.62
5 1104	0.78

4000K

- 03.9940.40A
- 03.9940.14
- 03.9940.ER
- 03.9940.ES
- 03.9940.EQ

9° SUPER SPOT



Luminous flux luminaire 839 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 28661	0.16
2 7165	0.31
3 3185	0.47
4 1791	0.62
5 1146	0.78

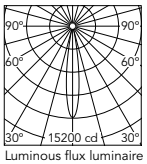
Internal Finish (I) · White

Optic Spot

2700K

- 03.9981.40A
- 03.9981.14
- 03.9981.ER
- 03.9981.ES
- 03.9981.EQ

16° SPOT



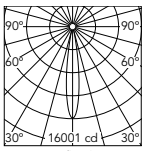
Luminous flux luminaire 1327 lm

Beam Angle:	16°
h(m) E(lx)	D(m)
1 15200	0.27
2 3800	0.54
3 1689	0.82
4 950	1.09
5 608	1.36

3000K

- 03.9986.40A
- 03.9986.14
- 03.9986.ER
- 03.9986.ES
- 03.9986.EQ

16° SPOT



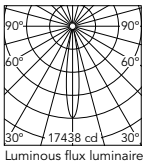
Luminous flux luminaire 1397 lm

Beam Angle:	16°
h(m) E(lx)	D(m)
1 16001	0.27
2 4000	0.54
3 1778	0.82
4 1000	1.09
5 640	1.36

4000K

- 03.9941.40A
- 03.9941.14
- 03.9941.ER
- 03.9941.ES
- 03.9941.EQ

16° SPOT



Luminous flux luminaire 1522 lm

Beam Angle:	16°
h(m) E(lx)	D(m)
1 17438	0.27
2 4359	0.54
3 1938	0.82
4 1090	1.09
5 698	1.36

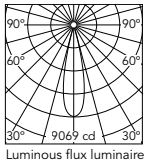
Internal Finish (I) · White

Optic Medium

2700K

- 03.9982.40A
- 03.9982.14
- 03.9982.ER
- 03.9982.ES
- 03.9982.EQ

24° MEDIUM



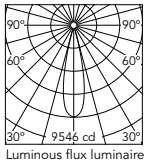
Luminous flux luminaire 1334 lm

Beam Angle:	24°
h(m) E(lx)	D(m)
1 9069	0.42
2 2267	0.83
3 1008	1.25
4 567	1.67
5 363	2.09

3000K

- 03.9987.40A
- 03.9987.14
- 03.9987.ER
- 03.9987.ES
- 03.9987.EQ

24° MEDIUM



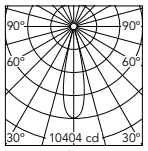
Luminous flux luminaire 1404 lm

Beam Angle:	24°
h(m) E(lx)	D(m)
1 9546	0.42
2 2386	0.83
3 1061	1.25
4 597	1.67
5 382	2.09

4000K

- 03.9942.40A
- 03.9942.14
- 03.9942.ER
- 03.9942.ES
- 03.9942.EQ

24° MEDIUM



Luminous flux luminaire 1530 lm

Beam Angle:	24°
h(m) E(lx)	D(m)
1 10404	0.42
2 2601	0.83
3 1156	1.25
4 650	1.67
5 416	2.09

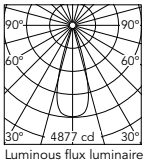
Internal Finish (I) · White

Optic Flood

2700K

- 03.9983.40A
- 03.9983.14
- 03.9983.ER
- 03.9983.ES
- 03.9983.EQ

33° FLOOD



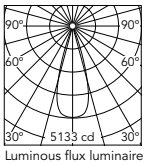
Luminous flux luminaire 1404 lm

Beam Angle:	33°
h(m) E(lx)	D(m)
1 4877	0.60
2 1219	1.19
3 542	1.79
4 305	2.39
5 195	2.98

3000K

- 03.9988.40A
- 03.9988.14
- 03.9988.ER
- 03.9988.ES
- 03.9988.EQ

33° FLOOD



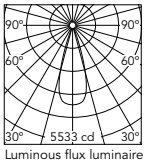
Luminous flux luminaire 1478 lm

Beam Angle:	33°
h(m) E(lx)	D(m)
1 5133	0.60
2 1283	1.19
3 570	1.79
4 321	2.39
5 205	2.98

4000K

- 03.9943.40A
- 03.9943.14
- 03.9943.ER
- 03.9943.ES
- 03.9943.EQ

33° FLOOD



Luminous flux luminaire 1593 lm

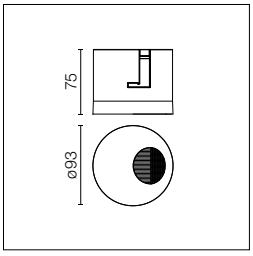
Beam Angle:	33°
h(m) E(lx)	D(m)
1 5533	0.60
2 1383	1.19
3 615	1.79
4 346	2.39
5 221	2.98

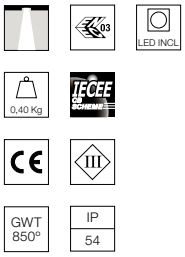
Internal Finish (I) · White

*Multipack erhältlich (24 Stück pro Box). Wie zu bestellen: "Ersetzen Sie die 0 am Anfang durch ein M + Referenz". Beispiel: 03.9980.40A - M3.9980.40A
*Multipack available (24 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.9980.40A - M3.9980.40A

Light Shadow Pro Ø90 Wall-Washer

LED Array DC 500 mA 18W - 1593 lm - 2700K/CRI 90 / 18W - 1752 lm - 3000K/CRI 90 / 18W - 1867 lm - 4000K/CRI 90





LED-Beleuchtungsmodul mit geringer Blendung für die Einsetzung in Einbaurahmen (nicht inbegriffen). Installation mittels Bajonettsystem mit austauschbaren Spots. Remote-Treiber nicht enthalten.

LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 100-277V 31W	60.9387
Non Dimmable 220-240V 22W	60.9160
Non Dimmable 220-240V 42W	60.7677
Dim Dali 2 220-240V 38W	60.7678
Dim Dali 2 110-240V 20W	60.9222
Dim 1-10V/Push 110-240V	60.9208
Dim 1-10V	60.9843
Phase cut DIM	60.9467
Dim Casambi/Push	60.7785

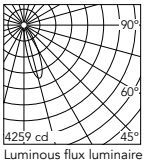
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Medium

2700K

- 03.9890.40
- 03.9890.14
- 03.9890.ER
- 03.9890.ES
- 03.9890.EQ

MEDIUM



Luminous flux luminaire
1216 lm

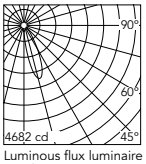
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	3773	0.47
2	943	0.94
3	419	1.41
4	236	1.88
5	151	2.34

3000K

- 03.9891.40
- 03.9891.14
- 03.9891.ER
- 03.9891.ES
- 03.9891.EQ

MEDIUM



Luminous flux luminaire
1336 lm

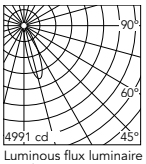
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	4147	0.47
2	1037	0.94
3	461	1.41
4	259	1.88
5	166	2.34

4000K

- 03.9892.40
- 03.9892.14
- 03.9892.ER
- 03.9892.ES
- 03.9892.EQ

MEDIUM



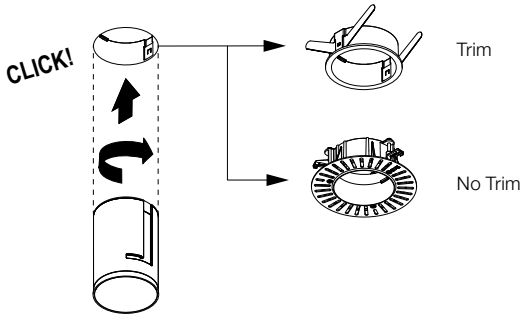
Luminous flux luminaire
1425 lm

Beam Angle: 24°

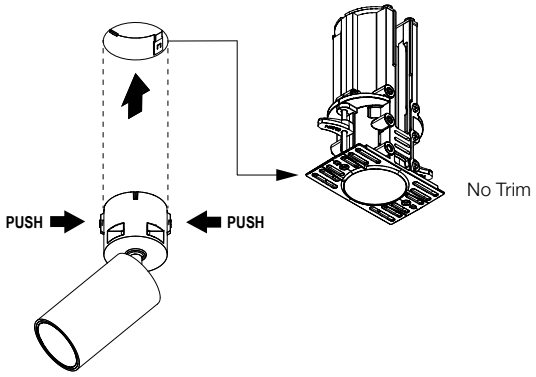
h(m)	E(lx)	D(m)
1	4421	0.47
2	1105	0.94
3	491	1.41
4	276	1.88
5	177	2.34

Internal Finish (I) · White

Fixed, Adjustable & Wall-Washer



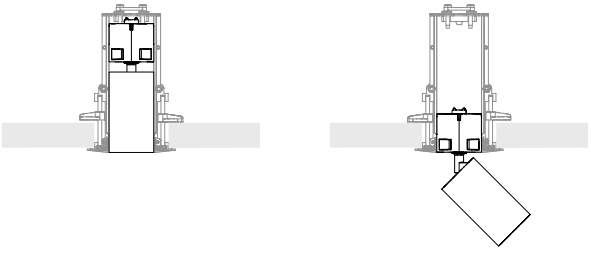
Push



Pro Push - Functionality and Positioning

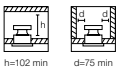
Light Shadow Push fungiert in oberer Position als Downlight (für den deckenbündigen Einbau); in der unteren Position als schwenkbarer Strahler.

Light Shadow Push can be placed in top position, functioning as a downlight (perfectly flush to ceiling), or in bottom position, functioning as an adjustable spotlight.

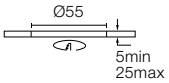


Zubehör Ø45 / Accessories Ø45

Vorinstallationsrahmen Trim Ø45.

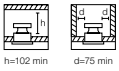


Frame Trim Ø45.

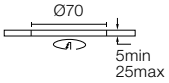


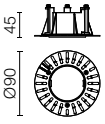
Fixed
08.0360.40
08.0360.14
08.0360.ER
08.0360.ES
08.0360.EQ

Vorinstallationsrahmen No Trim Ø45.

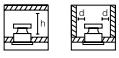


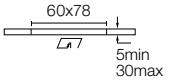
Frame No Trim Ø45.

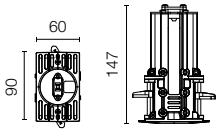




Fixed
08.0361.00



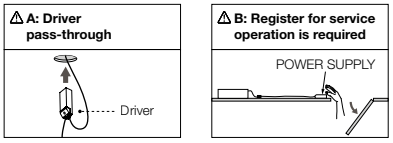




Push
08.0757.00

Treiber für die serielle Verbindung / Drivers for Serial Connection*

Driver 60.8529A	DIM Protocol	Min-Max Spot(s) per Driver	⚠
60.9387	Non Dimmable 100-240V 12W	1 - 1	A** - B**
60.9592	Non Dimmable 100-277V 31W	1 - 3	B
60.7677	Non Dimmable 220-240V 32W	1 - 3	B
60.7678	Non Dimmable 220-240V 42W	1 - 3	B
60.9713.0700	Dim Dali 2 220-240V 38W	1 - 3	B
60.9208	Dim Dali 2 220-240V 20W	1 - 2	B
60.9845	Dim 1-10V/Push 110-240V	1 - 2	B
60.9467	Dim 1-10V	1 - 3	B
60.9692	Mains Dimming 220-240V 20W	1 - 2	B
60.7785	Mains Dimming 220-240V 30W	1 - 3	B
	Dim Casambi/Push	1 - 2	B



* Siehe Treiberkapitel / Refer to the Drivers chapter

** Durchlauftreiber für feste Versionen.
Für die Wartung der Versionen Push ist eine Unterputzdose erforderlich. /
Driver pass-throught for Fixed model.
Register for service operation is required for Push model.

40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

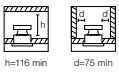
ER Gebürsteter Stahl
ER Brushed Steel

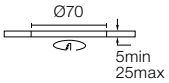
ES Gebürstete Bronze
ES Brushed Bronze

Zubehör Ø60 / Accessories Ø60

Vorinstallationsrahmen Trim Ø60.

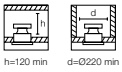
Frame Trim Ø60.

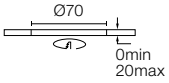




Fixed
08.0160.40
08.0160.14
08.0160.ER
08.0160.ES
08.0160.EQ

Fixed Multipack 30U*
M8.0160.40
M8.0160.14



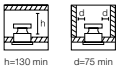


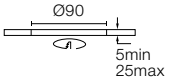
Adjustable
08.0164.40
08.0164.14
08.0164.ER
08.0164.ES
08.0164.EQ

Adjustable Multipack 30U*
M8.0164.40
M8.0164.14

Vorinstallationsrahmen No Trim Ø60.

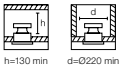
Frame No Trim Ø60.

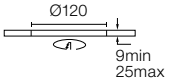


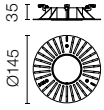


Fixed
08.0192.00

Fixed Multipack 48U*
M8.0192.00







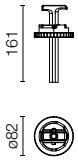
Adjustable
08.0166.00

Adjustable Multipack 48U*
M8.0166.00

Zubehör Ø60 Adjustable / Accessory Ø60 Adjustable

Ausrichtungswerkzeug
Adjustable Ø60.

Orientation Toolkit
Adjustable Ø60.



08.0825.00

---

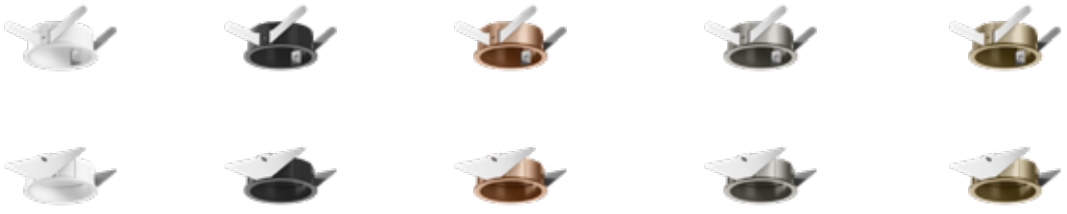
40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

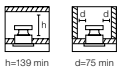


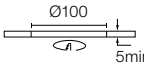
* Multipack erhältlich. Bitte konsultiere.
* Multipack available. Please consult.

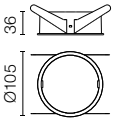
Zubehör Ø90 / Accessories Ø90

Vorinstallationsrahmen Trim Ø90.

Frame Trim Ø90.

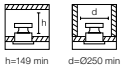


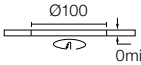


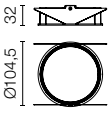


Fixed & Wall-Washer**
08.0161.40
08.0161.14
08.0161.ER
08.0161.ES
08.0161.EQ

Fixed & Wall-Washer** Multipack 20U*
M8.0161.40
M8.0161.14





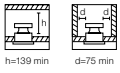


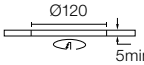
Adjustable
08.0165.40
08.0165.14
08.0165.ER
08.0165.ES
08.0165.EQ

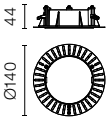
Adjustable Multipack 20U*
M8.0165.40
M8.0165.14

Vorinstallationsrahmen No Trim Ø90.

Frame No Trim Ø90.

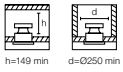


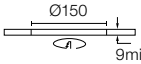


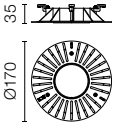


Fixed & Wall-Washer**
08.0193.00

Fixed & Wall-Washer** Multipack 48U*
M8.0193.00







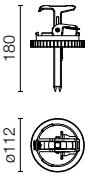
Adjustable
08.0167.00

Adjustable Multipack 48U*
M8.0167.00

Zubehör Ø90 Adjustable / Accessory Ø90 Adjustable

Ausrichtungswerkzeug
Adjustable Ø90.

Orientation Toolkit
Adjustable Ø90.



08.0826.00

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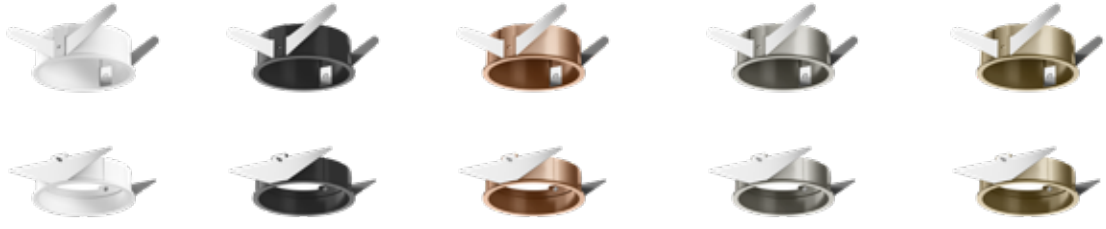
40 Weiss
40 White

14 Schwarz
14 Black

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze



* Multipack erhältlich. Bitte konsultiere.
* Multipack available. Please consult.
** Wall-Washer: Den richtigen Abstand zur Wand und den Abstand zwischen den Einheiten finden Sie in der Installationsanleitung.
** Wall-Washer: See the proper distance to wall and spacing between units in the installation instructions.

ECLECTIC

DESIGNED BY FLOS ARCHITECTURAL

ECLECTIC Ø70
FIXED

ECLECTIC Ø70
ADJUSTABLE

LIGHT SOURCE
LED ARRAY
7,5W
686 lm
2700K/CRI 90
768 lm
3000K/CRI 90

ECLECTIC Ø90
FIXED

LIGHT SOURCE
LED ARRAY
10,5W
1114 lm
2700K/CRI 90
1162 lm
3000K/CRI 90

LIGHT SOURCE
POWER LED
7W
534 lm
2700K/CRI 90
572 lm
3000K/CRI 90

ECLECTIC Ø90
ADJUSTABLE

LIGHT SOURCE
LED ARRAY
13W
1026 lm
1800K-3000K
CRI 90

Die obigen Produktabbildungen zeigen Eclectic, ausgestattet mit einem Modul Cone Style
The product pictures above represent Eclectic equipped with a Cone Style Module

Cone Style Module

☐ 40 Weiss*
40 White*

■ 14 Schwarz
14 Black

Soft Style Module

☐ 40 Weiss*
40 White*

■ 14 Schwarz
14 Black

Flat Style Module

☐ 40 Weiss*
40 White*

■ 14 Schwarz
14 Black

* Haftende Basis, geeignet für Farblackierung / Adherent base suitable for painting

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

ECLECTIC

Beschreibung
Eclectic ist eine Deckeneinbauleuchte für den Innenbereich, die basierend auf Modularität und nach den Prinzipien der Kreislaufwirtschaft konzipiert wurde. Somit kann das Produkt, das als komplettes Lichtsystem vermarktet wird, in eine Reihe von Modulen zerlegt werden, die seine Eigenschaften definieren und die wiederum als Austausch- oder Ersatzteile im Angebot zu finden sind. Diese Module können hinzugefügt, kombiniert und ausgetauscht werden, um eine Leuchte zu gestalten, die auch den Anforderungen von anspruchsvollsten Beleuchtungsprojekten nachkommt. Sogar die Ästhetik ist austauschbar. Diese Änderungskapazität bleibt während des gesamten Lebenszyklus des Produkts erhalten — also auch nach der Installation. Somit bietet Eclectic ein zukunftssicheres Design, denn dank ihrer Wandlungsfähigkeit lässt sich die Leuchte problemlos an zukünftige Bedürfnisse anpassen.
Um diese Produktidee pragmatisch zu gestalten, sind alle Teile von Eclectic werkzeuglos und leicht demontierbar. Das Zusammenfügen der Module erfolgt durch mechanische oder magnetische Verbindungen (Clips und Gewinde, bzw. Magnete) und verlangt weder Kleben noch Schweißen. Dadurch kann das Produkt problemlos in seine einzelnen Ausgangskomponenten zerlegt und in den Recycling-Kreislauf zurückgeführt werden. Es ist somit nachhaltig und umweltfreundlich.

Optiksystem
Eclectic ist mit einem patentierten Optiksystem mit Doppelfokallinsen ausgestattet. Diese Technologie ermöglicht der Leuchte eine außergewöhnliche Kontrolle über die Lichtverteilung; Blendung wird eliminiert und es wird bei einem hervorragenden Sehkomfort eine Lichtausbeute mit hohem Wirkungsgrad geboten. Und um dem Markt eine komplette Serie an Strahlöffnungen zu bieten, kombiniert Eclectic ein LED-Array mit einer Power-LED. Für die Lichtplanung bietet Eclectic somit die Öffnungen *Super Spot, Spot, Medium, Flood* und *Wide Flood* (*bitte Kompabilität zwischen Linsen, Größen und LED-Lichtquelle überprüfen). Neben den verschiedenen Linsen ergänzt sich das Optiksystem mit einem Lampenglas aus Hochglanz-Polycarbonat und mit Blendschutz. Die Position der LED, die in Bezug auf die äußere Ebene der Leuchte zurückversetzt ist, begünstigt einen Abstrahlwinkel zwischen 41° und 55° (je nach Modell). So ist der direkte visuelle Zugriff der Benützer auf die Lichtquelle beschränkt, was den „High Comfort"-Effekt emöglicht.

Netzteile
Die Netzteile werden separat geliefert, ausserhalb der Dim to Warm Version (da wird das Netzteil zusammen mit der Leuchte angeboten).
Die LED-Treiber passen durch die Aussparung für den Einbau der Leuchte.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Steuerungssystem
Eclectic ist erhältlich mit den Lichtmanagement-Systemen Casambi (individuell, Punkt-zu-Punkt), *DALI-2 · Push, 0-10V,* Phasenabschnitte (Netz-Dimmer) und Ein/Aus.

Ersatzteile
Unter allen Modulen (Teilen) von Eclectic vermarktet Flos serienmäßig und als separat erhältliche Teile die folgenden: Montagerahmen (mit/ohne Blende), diverse Linsen *(Super Spot, Spot, Medium, Flood* und *Wide Flood**)*, Module für die Ausrichtbarkeit (fix/schwenkbar) und die Design-Module *(Flat, Soft* und *Cone*). Das Modul, das als Lichtgenerator agiert, ist im Katalog als Ersatzteil nicht serienmäßig erhältlich. (**Bitte Kompabilität zw. Linsen, Größen und LED-Lichtquelle überprüfen).

Zubehör
Eclectic bietet Zubehör, das den technischen Charakter der Leuchte unterstreicht, wie z. B. das Wabenraster zur Blendreduzierung, das IP54-Zubehör für die schwenkbaren Versionen und dichroitische Filter für die Korrektur der Farbtemperatur.

Installation
Anhand eines magnetischen Befestigungssystem, das sich durch eine äußerst einfache, anwenderfreundliche Handhabung auszeichnet, wird Eclectic an den zuvor angebrachten Montagerahmen fixiert. Dieses Befestigungssystem mit hoher Tragfähigkeit hat die anspruchsvollsten Kontrollen zur Qualität, Haltbarkeit und Belastbarkeit bestanden und gewährleistet so die maximale Sicherheit der Leuchte.

Einhaltung gesetzlicher Vorschriften und Qualitätsmarken
Das Beleuchtungssystem entspricht den europäischen technischen Vorschriften EN 60598-1 und Teilen von EN 60598-2.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Description
Eclectic is a recessed in ceiling, indoor luminaire, designed with a fully modular concept, following the principles of circular design and economy. This means that the product, which is marketed as a complete luminaire, can be broken down into a series of modules that define its features and which, in turn, are offered as spare parts. These modules can be added, combined or mixed to configure a luminaire that specifically meets the requirements of each specific project. Even the aesthetics of the product are interchangeable. Moreover, modifications can be made at any point in the life cycle, even after it has been installed. Eclectic is therefore a "future-proof" design due to its versatility in adapting to changes in future needs.
To make this product design idea pragmatic, all parts of Eclectic can be easily disassembled without tools. Modules are combined using mechanical (clipping and threading) or magnetic (with magnets) connections, without the need for any glue, adhesive or soldering. This, in turn, makes the product easily separable for recycling, making it a sustainable and environmentally friendly product.

Optical System
Eclectic is equipped with a patented optical system with double focal lenses. This technology provides Eclectic with extraordinary control of light distribution, eliminating glare and achieving visual comfort, while providing high LOR (Light Output Ratio) and high luminous efficiency.
In addition, in order to offer a complete range of light beam angles, Eclectic combines an Array LED source with a Power LED source. Thus, Eclectic's range provides the specifier with Super Spot, Spot, Medium, Flood and Wide Flood beam angles (*check correspondence between beam angles, sizes and type of LED source).
In addition to the different lenses, the optical system is complemented by a screen made of high-gloss technical polycarbonate with anti-glare properties. The position of the LED, recessed with respect to the outer plane of the luminaire, provides a cut-off angle between 41° and 55° (depending on the model). Thanks to this, direct visual access to the light source by the user is limited and a "high comfort" effect is achieved.

Power Supplies
In Dim to Warm models the driver is included. In the rest of the models, it is supplied separately.
The drivers fit through the recessing hole.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Control System
Eclectic is available with Casambi (individual, point to point), DALI2 - Push, 0-10V, Phase cut (mains DIM) and on/off control protocols.

Spare Parts
Among all Eclectic modules (parts), Flos markets the following ones as independent, and as standard: mounting pre-frames (Trim / No Trim), the different lenses (Super Spot, Spot, Medium, Flood and Wide Flood**), the orientation modules (fixed or adjustable) and the style modules (flat, soft and cone) The module that acts as a light engine is not offered as a standard spare part in the catalog.
(**check correspondence between lenses, sizes and type of LED source).

Accessories
Eclectic is fitted with accessories that enhance the technical character of the luminaire, such as the anti-glare honeycomb grid, the IP54 accessories for the adjustable versions and dichroic filters for color temperature correction.

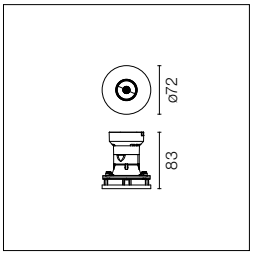
Installation
Once the installation pre-frames have been applied, Eclectic is fixed to them by means of a magnetic attachment system that is extremely easy and pleasant to use. This attachment method withstands the weight of the product and has passed the most demanding quality, durability and stress tests that guarantee its absolute safety.

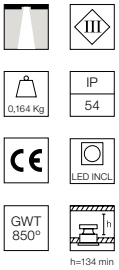
Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Eclectic Ø70 - Fixed Cone

LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90





Eclectic Ø70 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 47°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø70. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

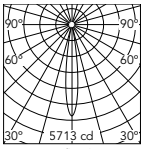
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8000.40
05.8000.14

15° SPOT



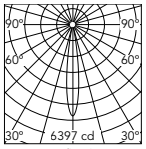
Luminous flux luminaire
405 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5713	0.26
2	1428	0.52
3	635	0.77
4	357	1.03
5	229	1.29

3000K
Optic Spot
05.8010.40
05.8010.14

15° SPOT



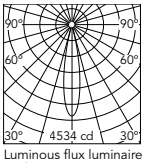
Luminous flux luminaire
454 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6397	0.26
2	1599	0.52
3	711	0.77
4	400	1.03
5	256	1.29

Optic Medium
05.8001.40
05.8001.14

20° MEDIUM



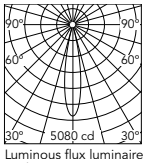
Luminous flux luminaire
514 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	4534	0.35
2	1133	0.69
3	504	1.04
4	283	1.38
5	181	1.73

Optic Medium
05.8011.40
05.8011.14

20° MEDIUM



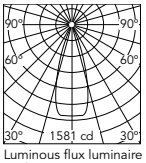
Luminous flux luminaire
576 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5080	0.35
2	1270	0.69
3	564	1.04
4	318	1.38
5	203	1.73

Optic Flood
05.8002.40
05.8002.14

35° FLOOD



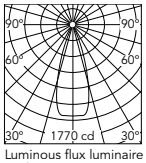
Luminous flux luminaire
529 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1578	0.63
2	395	1.26
3	175	1.89
4	99	2.52
5	63	3.15

Optic Flood
05.8012.40
05.8012.14

35° FLOOD



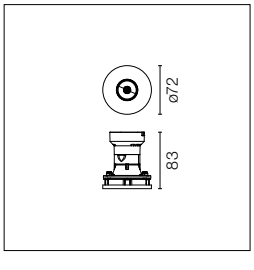
Luminous flux luminaire
592 lm

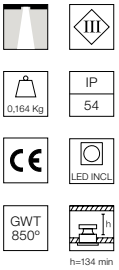
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1767	0.63
2	442	1.26
3	196	1.89
4	110	2.52
5	71	3.15

Eclectic Ø70 - Fixed Soft

LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90





Eclectic Ø70 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 47°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

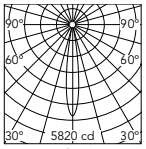
Eclectic Ø70. Non-adjustable Downlight. “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8003.40
05.8003.14

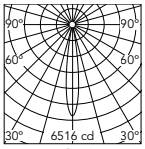


Luminous flux luminaire
419 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5820	0.26
2	1455	0.53
3	647	0.79
4	364	1.05
5	233	1.31

3000K
Optic Spot
05.8013.40
05.8013.14

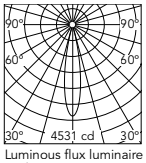


Luminous flux luminaire
469 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6516	0.26
2	1629	0.53
3	724	0.79
4	407	1.05
5	261	1.31

Optic Medium
05.8004.40
05.8004.14

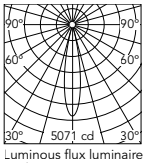


Luminous flux luminaire
514 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	4531	0.34
2	1133	0.69
3	503	1.03
4	283	1.38
5	181	1.72

Optic Medium
05.8014.40
05.8014.14

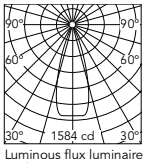


Luminous flux luminaire
575 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5071	0.34
2	1268	0.69
3	563	1.03
4	317	1.38
5	203	1.72

Optic Flood
05.8005.40
05.8005.14

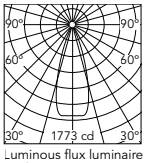


Luminous flux luminaire
529 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1574	0.63
2	394	1.26
3	175	1.89
4	98	2.52
5	63	3.15

Optic Flood
05.8015.40
05.8015.14



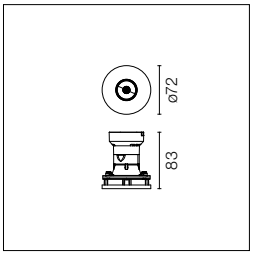
Luminous flux luminaire
592 lm

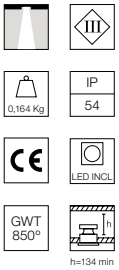
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1763	0.63
2	441	1.26
3	196	1.89
4	110	2.52
5	71	3.15

Eclectic Ø70 - Fixed Flat

LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90





Eclectic Ø70 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 55°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø70. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 55° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

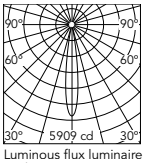
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8006.40
05.8006.14

15°
SPOT

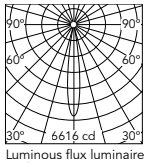


Luminous flux luminaire
404 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	5909	0.26
2	1477	0.52
3	657	0.77
4	369	1.03
5	236	1.29

3000K
Optic Spot
05.8016.40
05.8016.14

15°
SPOT

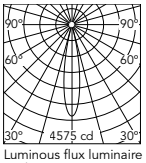


Luminous flux luminaire
452 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	6616	0.26
2	1654	0.52
3	735	0.77
4	413	1.03
5	265	1.29

Optic Medium
05.8007.40
05.8007.14

19°
MEDIUM

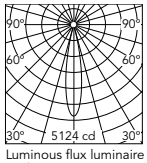


Luminous flux luminaire
502 lm

Beam Angle:	19°	
h(m)	E(lx)	D(m)
1	4575	0.34
2	1144	0.68
3	508	1.02
4	286	1.36
5	183	1.70

Optic Medium
05.8017.40
05.8017.14

19°
MEDIUM

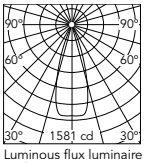


Luminous flux luminaire
562 lm

Beam Angle:	19°	
h(m)	E(lx)	D(m)
1	5124	0.34
2	1281	0.68
3	569	1.02
4	320	1.36
5	205	1.70

Optic Flood
05.8008.40
05.8008.14

35°
FLOOD

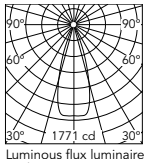


Luminous flux luminaire
518 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	1577	0.63
2	394	1.25
3	175	1.88
4	99	2.50
5	63	3.13

Optic Flood
05.8018.40
05.8018.14

35°
FLOOD

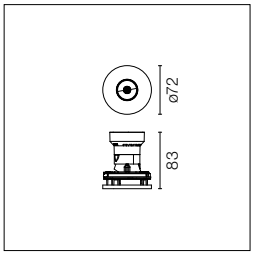


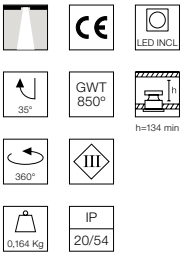
Luminous flux luminaire
581 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	1766	0.63
2	441	1.25
3	196	1.88
4	110	2.50
5	71	3.13

Eclectic Ø70 - Adjustable Cone

LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90





Eclectic Ø70mm. Downlight ausrichtbar (Schwenkbereich 35°, Drehbereich 360°). Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 47°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

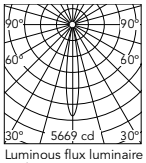
Eclectic Ø70. Adjustable Downlight (35° tilt, 360° rotation). “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8020.40
05.8020.14

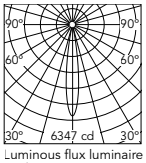


Luminous flux luminaire
411 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5669	0.26
2	1417	0.53
3	630	0.79
4	354	1.06
5	227	1.32

3000K
Optic Spot
05.8030.40
05.8030.14

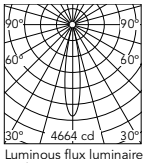


Luminous flux luminaire
460 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6347	0.26
2	1587	0.53
3	705	0.79
4	397	1.06
5	254	1.32

Optic Medium
05.8021.40
05.8021.14

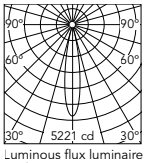


Luminous flux luminaire
500 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4664	0.33
2	1166	0.66
3	518	0.98
4	291	1.31
5	187	1.64

Optic Medium
05.8031.40
05.8031.14

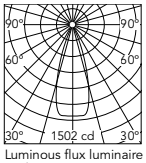


Luminous flux luminaire
560 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	5221	0.33
2	1305	0.66
3	580	0.98
4	326	1.31
5	209	1.64

Optic Flood
05.8022.40
05.8022.14

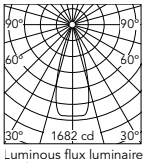


Luminous flux luminaire
511 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1499	0.64
2	375	1.28
3	167	1.92
4	94	2.56
5	60	3.20

Optic Flood
05.8032.40
05.8032.14



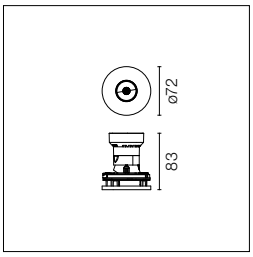
Luminous flux luminaire
572 lm

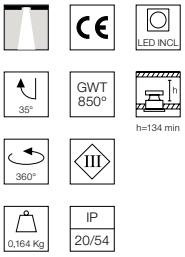
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1679	0.64
2	420	1.28
3	187	1.92
4	105	2.56
5	67	3.20

Eclectic Ø70 - Adjustable Soft

LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90





Eclectic Ø70 mm. Downlight ausrichtbar (Schwenkbereich 35°, Drehbereich 360°). Blende mit dem Design „Soft". Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 47°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø70. Adjustable Downlight (35° tilt, 360° rotation). "Soft" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

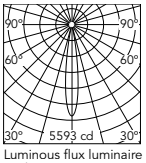
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8023.40
05.8023.14

15° SPOT

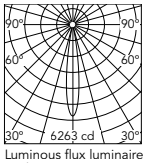


Luminous flux luminaire
408 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	5593	0.27
2	1398	0.53
3	621	0.80
4	350	1.06
5	224	1.33

3000K
Optic Spot
05.8033.40
05.8033.14

15° SPOT

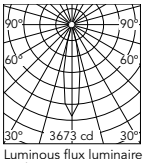


Luminous flux luminaire
457 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	6263	0.27
2	1566	0.53
3	696	0.80
4	391	1.06
5	251	1.33

Optic Medium
05.8024.40
05.8024.14

20° MEDIUM

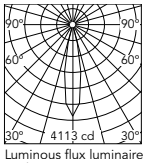


Luminous flux luminaire
497 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	3673	0.36
2	918	0.72
3	408	1.08
4	230	1.44
5	147	1.80

Optic Medium
05.8034.40
05.8034.14

20° MEDIUM

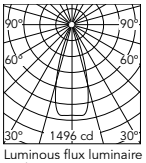


Luminous flux luminaire
557 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	4113	0.36
2	1028	0.72
3	457	1.08
4	257	1.44
5	165	1.80

Optic Flood
05.8025.40
05.8025.14

35° FLOOD

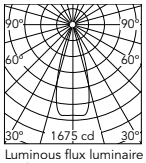


Luminous flux luminaire
511 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	1484	0.64
2	371	1.28
3	165	1.92
4	93	2.56
5	59	3.20

Optic Flood
05.8035.40
05.8035.14

35° FLOOD

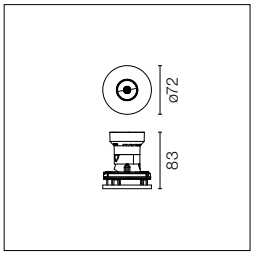


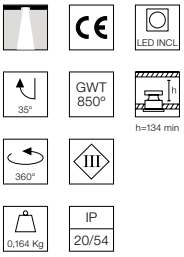
Luminous flux luminaire
572 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	1662	0.64
2	415	1.28
3	185	1.92
4	104	2.56
5	66	3.20

Eclectic Ø70 - Adjustable Flat

LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90





Eclectic Ø70 mm. Downlight ausrichtbar (Schwenkbereich 35°, Drehbereich 360°). Blende mit dem Design „Flat". Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 55°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

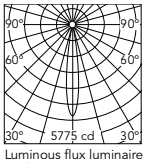
Eclectic Ø70. Adjustable Downlight (35° tilt, 360° rotation). "Flat" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 55° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8026.40
05.8026.14

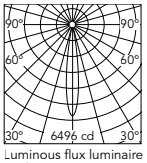


Luminous flux luminaire
395 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5775	0.26
2	1444	0.52
3	642	0.77
4	361	1.03
5	231	1.29

3000K
Optic Spot
05.8036.40
05.8036.14

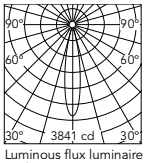


Luminous flux luminaire
444 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6496	0.26
2	1624	0.52
3	722	0.77
4	406	1.03
5	260	1.29

Optic Medium
05.8027.40
05.8027.14

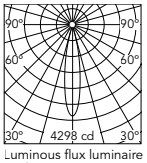


Luminous flux luminaire
448 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3841	0.34
2	960	0.68
3	427	1.02
4	240	1.35
5	154	1.69

Optic Medium
05.8037.40
05.8037.14

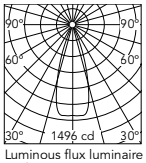


Luminous flux luminaire
501 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4298	0.34
2	1075	0.68
3	478	1.02
4	269	1.35
5	172	1.69

Optic Flood
05.8028.40
05.8028.14

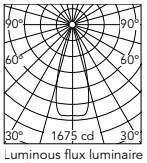


Luminous flux luminaire
501 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1490	0.63
2	372	1.27
3	166	1.90
4	93	2.54
5	60	3.17

Optic Flood
05.8038.40
05.8038.14

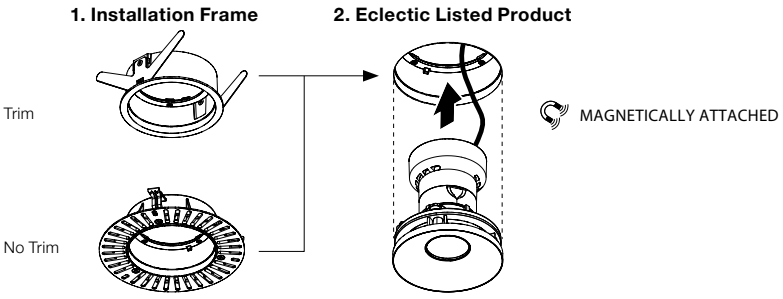


Luminous flux luminaire
560 lm

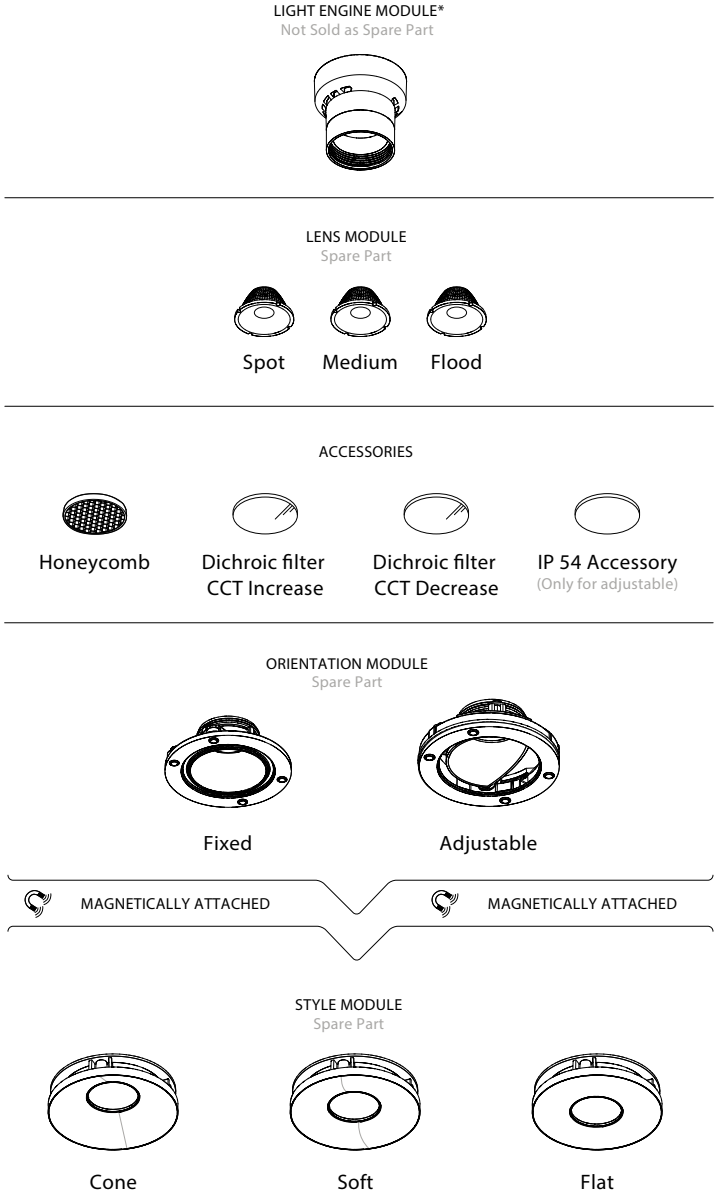
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1668	0.63
2	417	1.27
3	185	1.90
4	104	2.54
5	67	3.17

HOW TO ORDER ECLECTIC Ø70

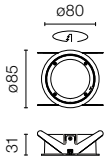
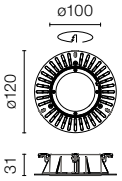


ACCESSORIES & SPARE PARTS ECLECTIC Ø70



Light Engine Module not Sold as Spare Part. Special Orders Please Consult.

Zubehör Ø70 / Accessories Ø70

Rahmen Blende. Vollständige Information über Installationsmaße und – Anforderungen finden Sie in der Montageanleitung.	Trim Frame. For further and full installation measures & requirements, please consult mounting instructions.			☐ 08.0670.40 ■ 08.0670.14
Rahmen ohne Blende. Vollständige Information über Installationsmaße und – Anforderungen finden Sie in der Montageanleitung.	No Trim Frame. For further and full installation measures & requirements, please consult mounting instructions.			08.0672.00
Wabenraster	Honeycomb			08.0727.00
IP54 einstellbar	Adjustable IP 54			08.0729.00
Dichroitischer CCT-Filter	Dichroic CCT Filter			Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0731.00 Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0732.00

Ersatzteile Ø70 / Spare parts Ø70

Linsen	Lenses		Opic Spot 08.0711.00 Opic Medium 08.0712.00 Opic Flood 08.0713.00
Ausrichtungsmodul	Orientation Module		Fixed 08.0739.00 Adjustable 08.0740.00
Design-Module	Style Modules		Cone ☐ 08.0721.40 ■ 08.0721.14 Soft ☐ 08.0722.40 ■ 08.0722.14 Flat ☐ 08.0723.40 ■ 08.0723.14

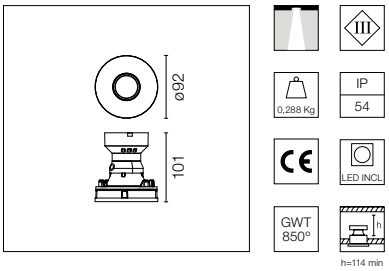
Treiber für die serielle Verbindung / Drivers for Serial Connection

Driver	DIM Protocol	Min-Max Eclectic(s) per Driver.
60.9592	Non Dimmable 32W	1 - 3
60.7677	Non Dimmable 42W	1 - 3
60.7678	Dimmable Dali 2 38W	1 - 4
60.9713.0600	Dimmable Dali 2 20W	1 - 2
60.9208	Dimmable 0-10V 20W	1 - 2
60.9845	Dimmable 0-10V 40W	1 - 3
60.9467	Mains Dimming 20W	1 - 2
60.7785	Casambi 26W	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

Eclectic Ø90 - Fixed Cone

LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90



Eclectic Ø90 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

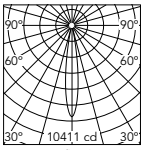
Eclectic Ø90. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8100.40
05.8100.14

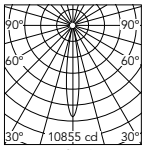


Luminous flux luminaire
862 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10411	0.27
2	2603	0.54
3	1157	0.81
4	651	1.08
5	416	1.36

3000K
Optic Spot
05.8120.40
05.8120.14

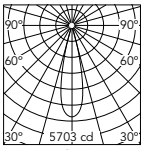


Luminous flux luminaire
899 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10855	0.27
2	2714	0.54
3	1206	0.81
4	678	1.08
5	434	1.36

Optic Medium
05.8101.40
05.8101.14

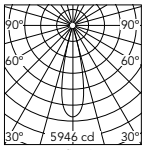


Luminous flux luminaire
923 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5703	0.43
2	1426	0.87
3	634	1.30
4	356	1.73
5	228	2.17

Optic Medium
05.8121.40
05.8121.14

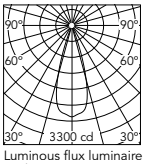


Luminous flux luminaire
963 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5946	0.43
2	1486	0.87
3	661	1.30
4	372	1.73
5	238	2.17

Optic Flood
05.8102.40
05.8102.14

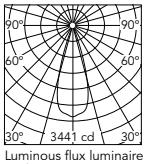


Luminous flux luminaire
925 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3300	0.59
2	825	1.18
3	367	1.78
4	206	2.37
5	132	2.96

Optic Flood
05.8122.40
05.8122.14

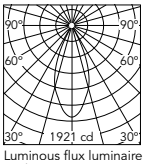


Luminous flux luminaire
964 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3441	0.59
2	860	1.18
3	382	1.78
4	215	2.37
5	138	2.96

Optic Wide Flood
05.8103.40
05.8103.14

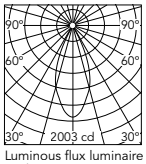


Luminous flux luminaire
861 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1921	0.77
2	480	1.54
3	213	2.31
4	120	3.08
5	77	3.85

Optic Wide Flood
05.8123.40
05.8123.14



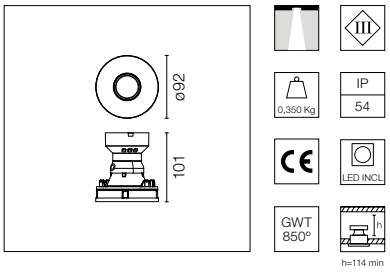
Luminous flux luminaire
898 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2003	0.77
2	501	1.54
3	223	2.31
4	125	3.08
5	80	3.85

Eclectic Ø90 - Fixed Cone

Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90



Eclectic Ø90 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP54. Lichtquelle, Power LED*. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

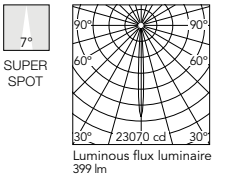
Eclectic Ø90. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.7785	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

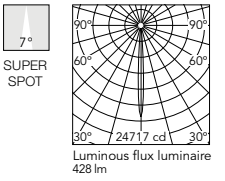
2700K
Optic Super Spot
05.8200.40
05.8200.14



Luminous flux luminaire 399 lm

Beam Angle:	7°	
h(m)	E(lx)	D(m)
1	23070	0.12
2	5768	0.23
3	2563	0.35
4	1442	0.46
5	923	0.58

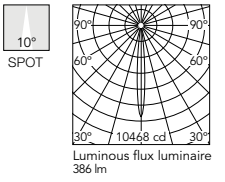
3000K
Optic Super Spot
05.8210.40
05.8210.14



Luminous flux luminaire 428 lm

Beam Angle:	7°	
h(m)	E(lx)	D(m)
1	24717	0.12
2	6179	0.23
3	2746	0.35
4	1545	0.46
5	989	0.58

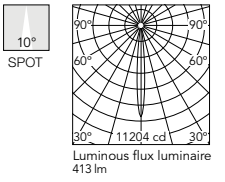
Optic Spot
05.8201.40
05.8201.14



Luminous flux luminaire 386 lm

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	10468	0.17
2	2617	0.34
3	1163	0.50
4	654	0.67
5	419	0.84

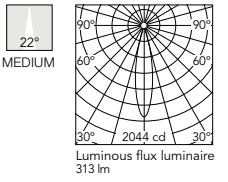
Optic Spot
05.8211.40
05.8211.14



Luminous flux luminaire 413 lm

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	11204	0.17
2	2801	0.34
3	1245	0.50
4	700	0.67
5	448	0.84

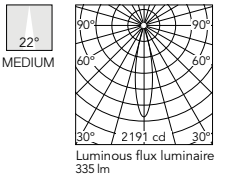
Optic Medium
05.8202.40
05.8202.14



Luminous flux luminaire 313 lm

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	2044	0.38
2	511	0.76
3	227	1.14
4	128	1.52
5	82	1.90

Optic Medium
05.8212.40
05.8212.14



Luminous flux luminaire 335 lm

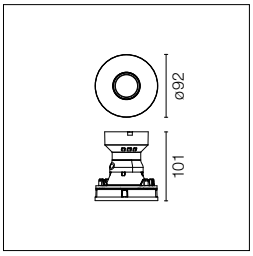
Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	2191	0.38
2	548	0.76
3	243	1.14
4	137	1.52
5	88	1.90

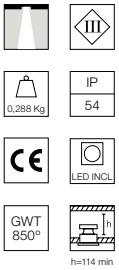
* Die Kombination von Modellen mit den Lichtquellen Power LED und LED Array können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, in einem gemeinschaftlich genutzten Bereich die gleiche Lichtquelle zu benutzen.

* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

Eclectic Ø90 - Fixed Soft

LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90. Non-adjustable Downlight. “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

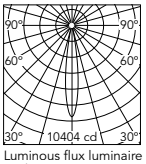
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8105.40
05.8105.14

15° SPOT



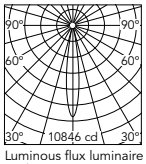
Luminous flux luminaire 860 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10404	0.27
2	2601	0.54
3	1156	0.81
4	650	1.09
5	416	1.36

3000K
Optic Spot
05.8125.40
05.8125.14

15° SPOT



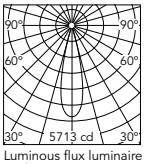
Luminous flux luminaire 896 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10846	0.27
2	2712	0.54
3	1205	0.81
4	678	1.09
5	434	1.36

Optic Medium
05.8106.40
05.8106.14

24° MEDIUM



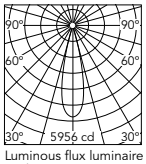
Luminous flux luminaire 922 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5713	0.43
2	1428	0.87
3	635	1.30
4	357	1.73
5	229	2.16

Optic Medium
05.8126.40
05.8126.14

24° MEDIUM



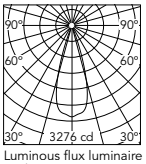
Luminous flux luminaire 961 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5956	0.43
2	1489	0.87
3	662	1.30
4	372	1.73
5	238	2.16

Optic Flood
05.8107.40
05.8107.14

33° FLOOD



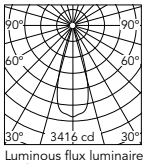
Luminous flux luminaire 925 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3276	0.59
2	819	1.19
3	364	1.78
4	205	2.38
5	131	2.97

Optic Flood
05.8127.40
05.8127.14

33° FLOOD



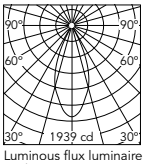
Luminous flux luminaire 964 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3416	0.59
2	854	1.19
3	380	1.78
4	213	2.38
5	137	2.97

Optic Wide Flood
05.8108.40
05.8108.14

42° WIDE FLOOD



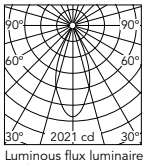
Luminous flux luminaire 862 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1939	0.77
2	485	1.53
3	215	2.30
4	121	3.06
5	78	3.83

Optic Wide Flood
05.8128.40
05.8128.14

42° WIDE FLOOD



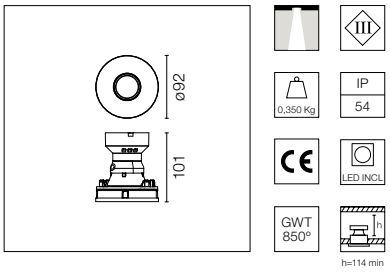
Luminous flux luminaire 899 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2021	0.77
2	505	1.53
3	225	2.30
4	126	3.06
5	81	3.83

Eclectic Ø90 - Fixed Soft

Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90



Eclectic Ø90 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP54. Lichtquelle, Power LED*. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

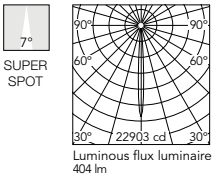
Eclectic Ø90. Non-adjustable Downlight. “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.7785	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Super Spot
05.8203.40
05.8203.14

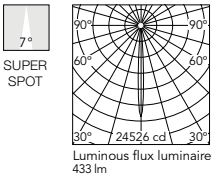


Luminous flux luminaire 404 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	22903	0.12
2	5726	0.23
3	2545	0.35
4	1431	0.47
5	916	0.58

3000K
Optic Super Spot
05.8213.40
05.8213.14

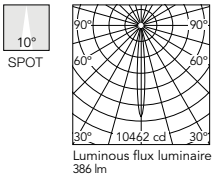


Luminous flux luminaire 433 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24526	0.12
2	6132	0.23
3	2725	0.35
4	1533	0.47
5	981	0.58

Optic Spot
05.8204.40
05.8204.14

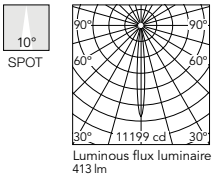


Luminous flux luminaire 386 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10462	0.17
2	2615	0.34
3	1162	0.50
4	654	0.67
5	418	0.84

Optic Spot
05.8214.40
05.8214.14

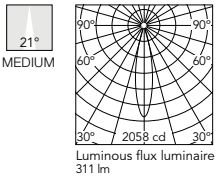


Luminous flux luminaire 413 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11199	0.17
2	2800	0.34
3	1244	0.50
4	700	0.67
5	448	0.84

Optic Medium
05.8205.40
05.8205.14

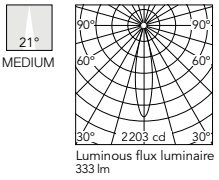


Luminous flux luminaire 311 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2058	0.38
2	514	0.75
3	229	1.13
4	129	1.51
5	82	1.89

Optic Medium
05.8215.40
05.8215.14



Luminous flux luminaire 333 lm

Beam Angle: 21°

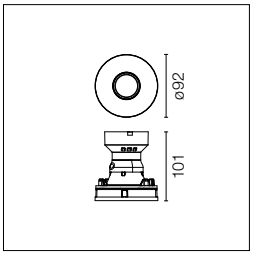
h(m)	E(lx)	D(m)
1	2203	0.38
2	551	0.75
3	245	1.13
4	138	1.51
5	88	1.89

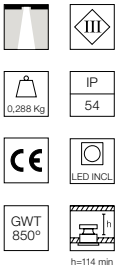
* Die Kombination von Modellen mit den Lichtquellen Power LED und LED Array können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, in einem gemeinschaftlich genutzten Bereich die gleiche Lichtquelle zu benutzen.

* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

Eclectic Ø90 - Fixed Flat

LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 49°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

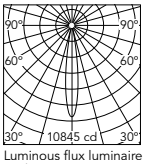
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8110.40
05.8110.14

15° SPOT



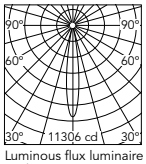
Luminous flux luminaire 860 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10845	0.27
2	2711	0.53
3	1205	0.80
4	678	1.07
5	434	1.34

3000K
Optic Spot
05.8130.40
05.8130.14

15° SPOT



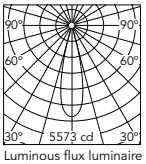
Luminous flux luminaire 897 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11306	0.27
2	2827	0.53
3	1256	0.80
4	707	1.07
5	452	1.34

Optic Medium
05.8111.40
05.8111.14

25° MEDIUM



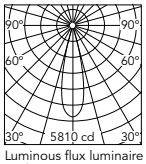
Luminous flux luminaire 903 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5573	0.44
2	1393	0.88
3	619	1.32
4	348	1.76
5	223	2.20

Optic Medium
05.8131.40
05.8131.14

25° MEDIUM



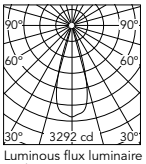
Luminous flux luminaire 942 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5810	0.44
2	1453	0.88
3	646	1.32
4	363	1.76
5	232	2.20

Optic Flood
05.8112.40
05.8112.14

33° FLOOD



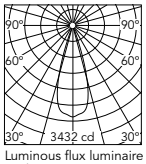
Luminous flux luminaire 901 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3292	0.59
2	823	1.18
3	366	1.77
4	206	2.36
5	132	2.95

Optic Flood
05.8132.40
05.8132.14

33° FLOOD



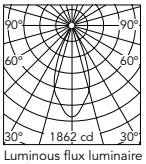
Luminous flux luminaire 939 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3432	0.59
2	858	1.18
3	381	1.77
4	215	2.36
5	137	2.95

Optic Wide Flood
05.8113.40
05.8113.14

42° WIDE FLOOD



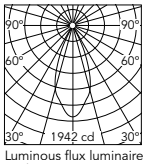
Luminous flux luminaire 809 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1862	0.76
2	466	1.52
3	207	2.28
4	116	3.04
5	74	3.81

Optic Wide Flood
05.8133.40
05.8133.14

42° WIDE FLOOD



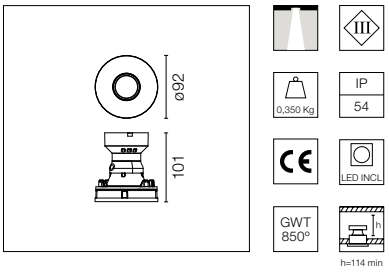
Luminous flux luminaire 844 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1942	0.76
2	485	1.52
3	216	2.28
4	121	3.04
5	78	3.81

Eclectic Ø90 - Fixed Flat

Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90



Eclectic Ø90 mm. Downlight nicht ausrichtbar. Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 49°. Dichtheit IP54. Lichtquelle, Power LED*. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

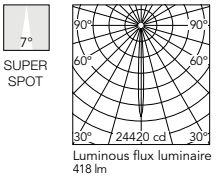
Eclectic Ø90. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49° cut-off angle. IP54 water tightness. Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.7785	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

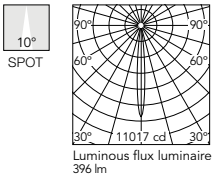
2700K
Optic Super Spot
05.8206.40
05.8206.14



Luminous flux luminaire 418 lm

Beam Angle:		7°
h(m)	E(lx)	D(m)
1	24420	0.12
2	6105	0.23
3	2713	0.35
4	1526	0.46
5	977	0.58

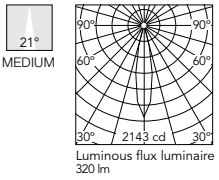
Optic Spot
05.8207.40
05.8207.14



Luminous flux luminaire 396 lm

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	11017	0.17
2	2754	0.34
3	1224	0.50
4	689	0.67
5	441	0.84

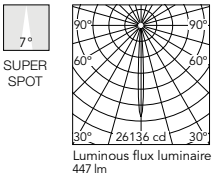
Optic Medium
05.8208.40
05.8208.14



Luminous flux luminaire 320 lm

Beam Angle:		21°
h(m)	E(lx)	D(m)
1	2143	0.37
2	536	0.73
3	238	1.10
4	134	1.46
5	86	1.83

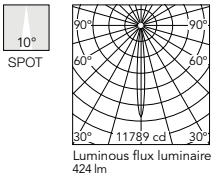
3000K
Optic Super Spot
05.8216.40
05.8216.14



Luminous flux luminaire 447 lm

Beam Angle:		7°
h(m)	E(lx)	D(m)
1	26136	0.12
2	6534	0.23
3	2904	0.35
4	1634	0.46
5	1045	0.58

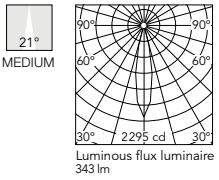
Optic Spot
05.8217.40
05.8217.14



Luminous flux luminaire 424 lm

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	11789	0.17
2	2947	0.34
3	1310	0.50
4	737	0.67
5	472	0.84

Optic Medium
05.8218.40
05.8218.14



Luminous flux luminaire 343 lm

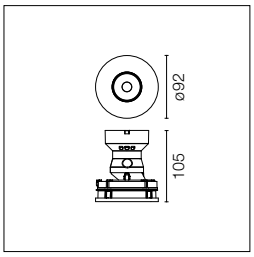
Beam Angle:		21°
h(m)	E(lx)	D(m)
1	2295	0.37
2	574	0.73
3	255	1.10
4	143	1.46
5	92	1.83

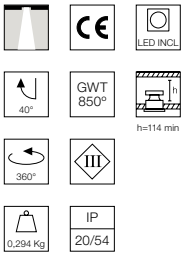
* Die Kombination von Modellen mit den Lichtquellen Power LED und LED Array können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, in einem gemeinschaftlich genutzten Bereich die gleiche Lichtquelle zu benutzen.

* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

Eclectic Ø90 - Adjustable Cone

LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight ausrichtbar (Schwenkbereich 40º, Drehbereich 360º). Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41º. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

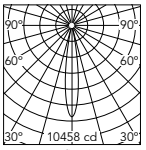
Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8140.40
05.8140.14

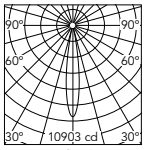


Luminous flux luminaire
884 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	10458	0.28
2	2614	0.56
3	1162	0.84
4	654	1.12
5	418	1.39

3000K
Optic Spot
05.8160.40
05.8160.14

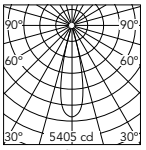


Luminous flux luminaire
922 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	10903	0.28
2	2726	0.56
3	1211	0.84
4	681	1.12
5	436	1.39

Optic Medium
05.8141.40
05.8141.14

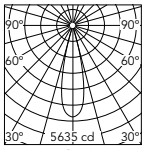


Luminous flux luminaire
898 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5405	0.44
2	1351	0.88
3	601	1.32
4	338	1.76
5	216	2.21

Optic Medium
05.8161.40
05.8161.14

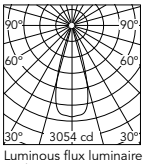


Luminous flux luminaire
937 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5635	0.44
2	1409	0.88
3	626	1.32
4	352	1.76
5	225	2.21

Optic Flood
05.8142.40
05.8142.14

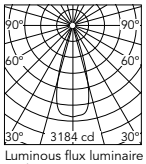


Luminous flux luminaire
906 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3054	0.61
2	764	1.22
3	339	1.82
4	191	2.43
5	122	3.04

Optic Flood
05.8162.40
05.8162.14

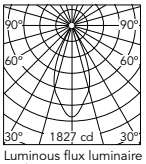


Luminous flux luminaire
945 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3184	0.61
2	796	1.22
3	354	1.82
4	199	2.43
5	127	3.04

Optic Wide Flood
05.8143.40
05.8143.14

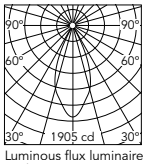


Luminous flux luminaire
836 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1827	0.79
2	457	1.58
3	203	2.37
4	114	3.16
5	73	3.95

Optic Wide Flood
05.8163.40
05.8163.14



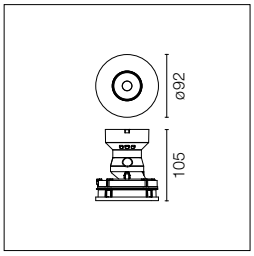
Luminous flux luminaire
872 lm

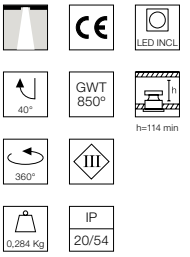
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1905	0.79
2	476	1.58
3	212	2.37
4	119	3.16
5	76	3.95

Eclectic Ø90 - Adjustable Cone

Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight ausrichtbar (Schwenkbereich 40°, Drehbereich 360°). Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Lichtquelle, Power LED*. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

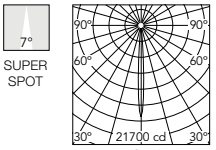
Eclectic Ø90. Adjustable Downlight (40° tilt, 360° rotation). “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.7785	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Super Spot
05.8220.40
05.8220.14

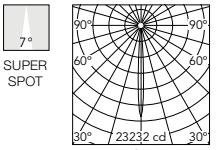


Luminous flux luminaire 393 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	21700	0.12
2	5425	0.24
3	2411	0.35
4	1356	0.47
5	868	0.59

3000K
Optic Super Spot
05.8230.40
05.8230.14

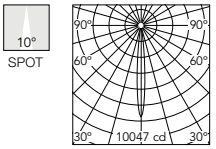


Luminous flux luminaire 421 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	23232	0.12
2	5808	0.24
3	2581	0.35
4	1452	0.47
5	929	0.59

Optic Spot
05.8221.40
05.8221.14

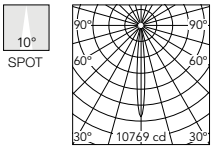


Luminous flux luminaire 380 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10047	0.17
2	2512	0.34
3	1116	0.51
4	628	0.68
5	402	0.85

Optic Spot
05.8231.40
05.8231.14

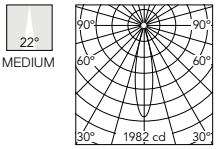


Luminous flux luminaire 407 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10769	0.17
2	2692	0.34
3	1197	0.51
4	673	0.68
5	431	0.85

Optic Medium
05.8222.40
05.8222.14

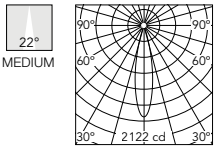


Luminous flux luminaire 309 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1982	0.38
2	495	0.77
3	220	1.15
4	124	1.54
5	79	1.92

Optic Medium
05.8232.40
05.8232.14



Luminous flux luminaire 331 lm

Beam Angle: 22°

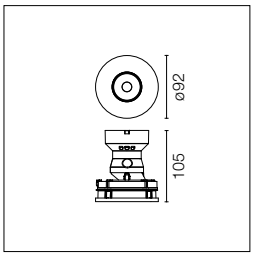
h(m)	E(lx)	D(m)
1	2122	0.38
2	530	0.77
3	236	1.15
4	133	1.54
5	85	1.92

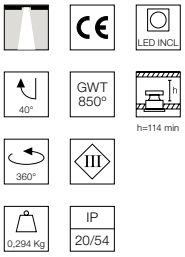
* Die Kombination von Modellen mit den Lichtquellen Power LED und LED Array können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, in einem gemeinschaftlich genutzten Bereich die gleiche Lichtquelle zu benutzen.

* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

Eclectic Ø90 - Adjustable Soft

LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight ausrichtbar (Schwenkbereich 40º, Drehbereich 360º). Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41º. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

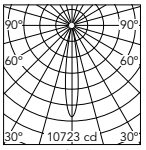
Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8145.40
05.8145.14

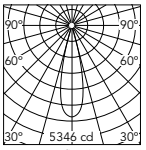


Luminous flux luminaire
868 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	10723	0.27
2	2681	0.55
3	1191	0.82
4	670	1.09
5	429	1.36

Optic Medium
05.8146.40
05.8146.14

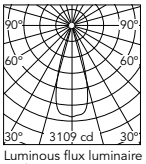


Luminous flux luminaire
900 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5346	0.45
2	1337	0.89
3	594	1.34
4	334	1.78
5	214	2.23

Optic Flood
05.8147.40
05.8147.14

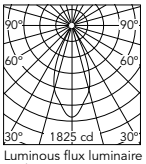


Luminous flux luminaire
904 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3109	0.60
2	777	1.21
3	345	1.81
4	194	2.41
5	124	3.01

Optic Wide Flood
05.8148.40
05.8148.14

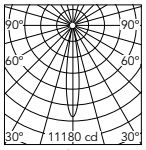


Luminous flux luminaire
837 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1825	0.79
2	456	1.59
3	203	2.38
4	114	3.17
5	73	3.97

3000K
Optic Spot
05.8165.40
05.8165.14

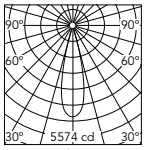


Luminous flux luminaire
905 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	11180	0.27
2	2795	0.55
3	1242	0.82
4	699	1.09
5	447	1.36

Optic Medium
05.8166.40
05.8166.14

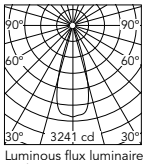


Luminous flux luminaire
938 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5574	0.45
2	1393	0.89
3	619	1.34
4	348	1.78
5	223	2.23

Optic Flood
05.8167.40
05.8167.14

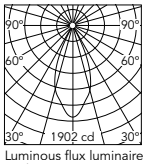


Luminous flux luminaire
942 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3241	0.60
2	810	1.21
3	360	1.81
4	203	2.41
5	130	3.01

Optic Wide Flood
05.8168.40
05.8168.14



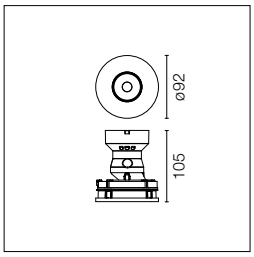
Luminous flux luminaire
873 lm

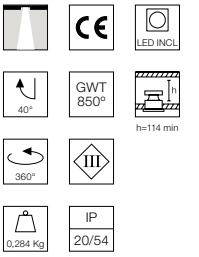
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1902	0.79
2	476	1.59
3	211	2.38
4	119	3.17
5	76	3.97

Eclectic Ø90 - Adjustable Soft

Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight ausrichtbar (Schwenkbereich 40°, Drehbereich 360°). Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Lichtquelle, Power LED*. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

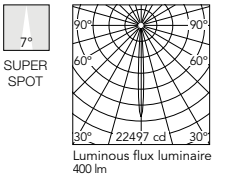
Eclectic Ø90. Adjustable Downlight (40° tilt, 360° rotation). “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.7785	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Super Spot
05.8223.40
05.8223.14

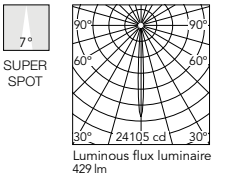


Luminous flux luminaire 400 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	22497	0.12
2	5624	0.23
3	2500	0.35
4	1406	0.47
5	900	0.59

3000K
Optic Super Spot
05.8233.40
05.8233.14

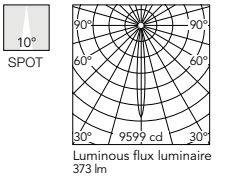


Luminous flux luminaire 429 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24105	0.12
2	6026	0.23
3	2678	0.35
4	1507	0.47
5	964	0.59

Optic Spot
05.8224.40
05.8224.14

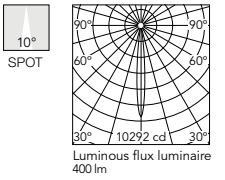


Luminous flux luminaire 373 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	9599	0.17
2	2400	0.35
3	1067	0.52
4	600	0.70
5	384	0.87

Optic Spot
05.8234.40
05.8234.14

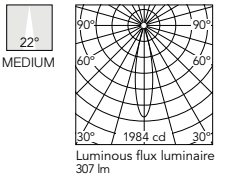


Luminous flux luminaire 400 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10292	0.17
2	2573	0.35
3	1144	0.52
4	643	0.70
5	412	0.87

Optic Medium
05.8225.40
05.8225.14

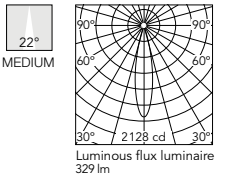


Luminous flux luminaire 307 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1984	0.38
2	496	0.77
3	220	1.15
4	124	1.54
5	79	1.92

Optic Medium
05.8235.40
05.8235.14



Luminous flux luminaire 329 lm

Beam Angle: 22°

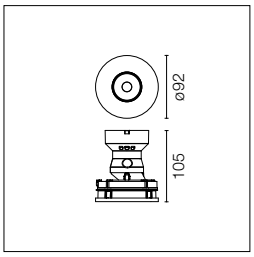
h(m)	E(lx)	D(m)
1	2128	0.38
2	532	0.77
3	236	1.15
4	133	1.54
5	85	1.92

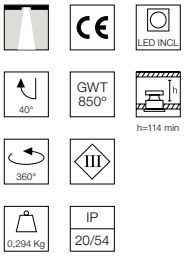
* Die Kombination von Modellen mit den Lichtquellen Power LED und LED Array können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, in einem gemeinschaftlich genutzten Bereich die gleiche Lichtquelle zu benutzen.

* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

Eclectic Ø90 - Adjustable Flat

LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight ausrichtbar (Schwenkbereich 40º, Drehbereich 360º). Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 49º. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

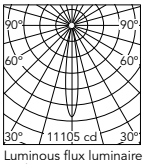
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Spot
05.8150.40
05.8150.14

15° SPOT



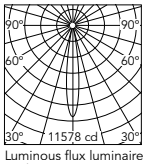
Luminous flux luminaire 852 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11105	0.27
2	2776	0.53
3	1234	0.80
4	694	1.06
5	444	1.33

3000K
Optic Spot
05.8170.40
05.8170.14

15° SPOT



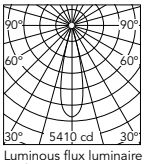
Luminous flux luminaire 889 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11578	0.27
2	2894	0.53
3	1286	0.80
4	724	1.06
5	463	1.33

Optic Medium
05.8151.40
05.8151.14

25° MEDIUM



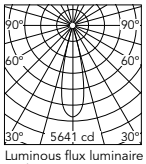
Luminous flux luminaire 874 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5410	0.44
2	1352	0.88
3	601	1.32
4	338	1.76
5	216	2.20

Optic Medium
05.8171.40
05.8171.14

25° MEDIUM



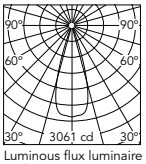
Luminous flux luminaire 912 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5641	0.44
2	1410	0.88
3	627	1.32
4	353	1.76
5	226	2.20

Optic Flood
05.8152.40
05.8152.14

34° FLOOD



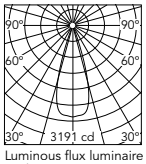
Luminous flux luminaire 885 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3061	0.60
2	765	1.21
3	340	1.81
4	191	2.41
5	122	3.02

Optic Flood
05.8172.40
05.8172.14

34° FLOOD



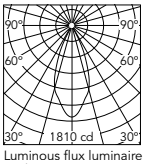
Luminous flux luminaire 923 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3191	0.60
2	798	1.21
3	355	1.81
4	199	2.41
5	128	3.02

Optic Wide Flood
05.8153.40
05.8153.14

41° WIDE FLOOD



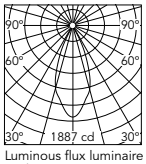
Luminous flux luminaire 782 lm

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1810	0.75
2	452	1.51
3	201	2.26
4	113	3.01
5	72	3.76

Optic Wide Flood
05.8173.40
05.8173.14

41° WIDE FLOOD



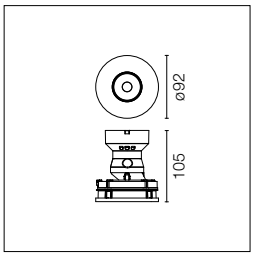
Luminous flux luminaire 815 lm

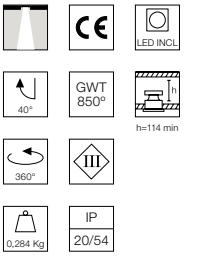
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1887	0.75
2	472	1.51
3	210	2.26
4	118	3.01
5	75	3.76

Eclectic Ø90 - Adjustable Flat

Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90





Eclectic Ø90 mm. Downlight ausrichtbar (Schwenkbereich 40º, Drehbereich 360º). Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 49º. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Lichtquelle, Power LED*. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

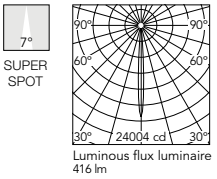
Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Empfohlene Netzgeräte / Recommended power supply*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.7785	1 - 3

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
Optic Super Spot
05.8226.40
05.8226.14

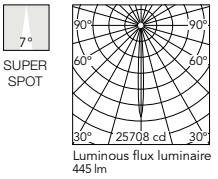


Luminous flux luminaire 416 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24004	0.12
2	6001	0.23
3	2667	0.35
4	1500	0.47
5	960	0.58

3000K
Optic Super Spot
05.8236.40
05.8236.14

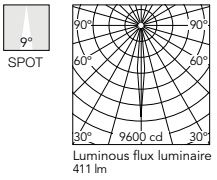


Luminous flux luminaire 445 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	25708	0.12
2	6427	0.23
3	2856	0.35
4	1607	0.47
5	1028	0.58

Optic Spot
05.8227.40
05.8227.14

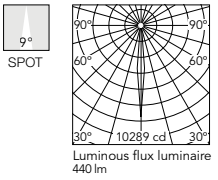


Luminous flux luminaire 411 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	9600	0.16
2	2400	0.33
3	1067	0.49
4	600	0.65
5	384	0.81

Optic Spot
05.8237.40
05.8237.14

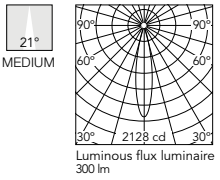


Luminous flux luminaire 440 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	10289	0.16
2	2572	0.33
3	1143	0.49
4	643	0.65
5	412	0.81

Optic Medium
05.8228.40
05.8228.14

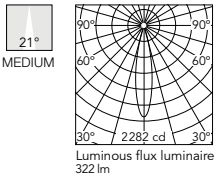


Luminous flux luminaire 300 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2128	0.36
2	532	0.73
3	236	1.09
4	133	1.46
5	85	1.82

Optic Medium
05.8238.40
05.8238.14



Luminous flux luminaire 322 lm

Beam Angle: 21°

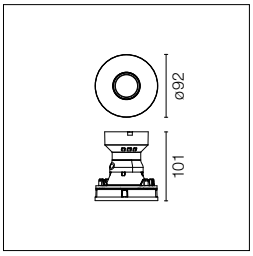
h(m)	E(lx)	D(m)
1	2282	0.36
2	570	0.73
3	254	1.09
4	143	1.46
5	91	1.82

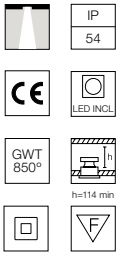
* Die Kombination von Modellen mit den Lichtquellen Power LED und LED Array können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, in einem gemeinschaftlich genutzten Bereich die gleiche Lichtquelle zu benutzen.

* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

Eclectic Ø90 Dim To Warm. Fixed Cone

LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90





Eclectic Ø90 Dim To Warm mm. Downlight nicht ausrichtbar. Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90 Dim To Warm. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

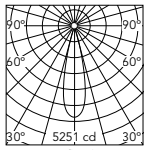
Optic Medium

Dali 2
- 05.8301.40.DA
- 05.8301.14.DA

1-10V
- 05.8301.40.1V
- 05.8301.14.1V

Casambi
- 05.8301.40.CB
- 05.8301.14.CB

Mains Dimming
- 05.8301.40.NI
- 05.8301.14.NI



Luminous flux luminaire
850 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5251	0.43
2	1313	0.87
3	583	1.30
4	328	1.73
5	210	2.17

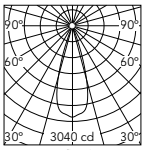
Optic Flood

Dali 2
- 05.8302.40.DA
- 05.8302.14.DA

1-10V
- 05.8302.40.1V
- 05.8302.14.1V

Casambi
- 05.8302.40.CB
- 05.8302.14.CB

Mains Dimming
- 05.8302.40.NI
- 05.8302.14.NI



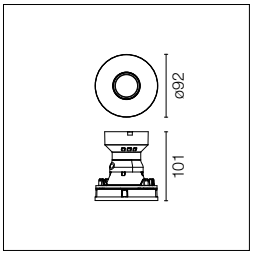
Luminous flux luminaire
852 lm

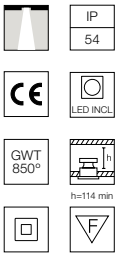
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3040	0.59
2	760	1.18
3	338	1.78
4	190	2.37
5	122	2.96

Eclectic Ø90 Dim To Warm. Fixed Soft

LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90





Eclectic Ø90 Dim To Warm mm. Downlight nicht ausrichtbar. Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90 Dim To Warm. Non-adjustable Downlight. “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

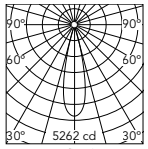
Optic Medium

Dali 2
- 05.8306.40.DA
- 05.8306.14.DA

1-10V
- 05.8306.40.1V
- 05.8306.14.1V

Casambi
- 05.8306.40.CB
- 05.8306.14.CB

Mains Dimming
- 05.8306.40.NI
- 05.8306.14.NI



Luminous flux luminaire
849 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5262	0.43
2	1316	0.87
3	585	1.30
4	329	1.73
5	210	2.16

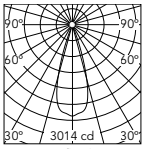
Optic Flood

Dali 2
- 05.8307.40.DA
- 05.8307.14.DA

1-10V
- 05.8307.40.1V
- 05.8307.14.1V

Casambi
- 05.8307.40.CB
- 05.8307.14.CB

Mains Dimming
- 05.8307.40.NI
- 05.8307.14.NI



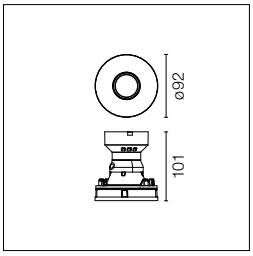
Luminous flux luminaire
851 lm

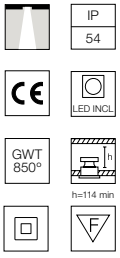
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3014	0.59
2	754	1.19
3	335	1.78
4	188	2.38
5	121	2.97

Eclectic Ø90 Dim To Warm. Fixed Flat

LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90





Eclectic Ø90 Dim To Warm mm. Downlight nicht ausrichtbar. Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 49°. Dichtheit IP54. Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90 Dim To Warm. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

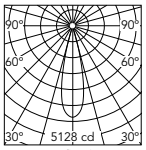
Optic Medium

Dali 2
- 05.8311.40.DA
- 05.8311.14.DA

1-10V
- 05.8311.40.1V
- 05.8311.14.1V

Casambi
- 05.8311.40.CB
- 05.8311.14.CB

Mains Dimming
- 05.8311.40.NI
- 05.8311.14.NI



Luminous flux luminaire
831 lm

Beam Angle:		25°
h(m)	E(lx)	D(m)
1	5128	0.44
2	1282	0.88
3	570	1.32
4	321	1.76
5	205	2.20

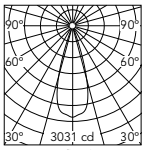
Optic Flood

Dali 2
- 05.8312.40.DA
- 05.8312.14.DA

1-10V
- 05.8312.40.1V
- 05.8312.14.1V

Casambi
- 05.8312.40.CB
- 05.8312.14.CB

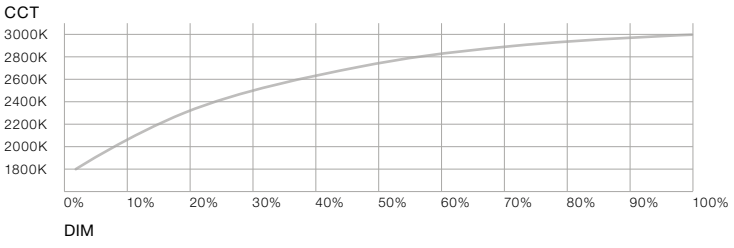
Mains Dimming
- 05.8312.40.NI
- 05.8312.14.NI



Luminous flux luminaire
829 lm

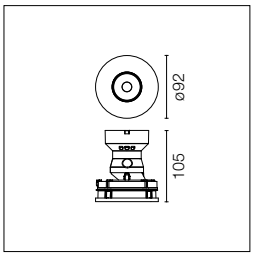
Beam Angle:		33°
h(m)	E(lx)	D(m)
1	3031	0.59
2	758	1.18
3	337	1.77
4	189	2.36
5	121	2.95

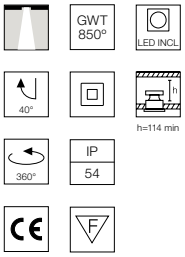
ECLECTIC DIM TO WARM. HOW IT WORKS?



Eclectic Ø90 Dim To Warm. Adjustable Cone

LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90





Eclectic Ø90 Dim To Warmmm. Downlight ausrichtbar (Schwenkbereich 40°, Drehbereich 360°). Blende mit dem Design „Cone“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90 Dim To Warm. Adjustable Downlight (40° tilt, 360° rotation). “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Optic Medium

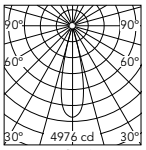
Dali 2
- 05.8341.40.DA
- 05.8341.14.DA

1-10V
- 05.8341.40.1V
- 05.8341.14.1V

Casambi
- 05.8341.40.CB
- 05.8341.14.CB

Mains Dimming
- 05.8341.40.NI
- 05.8341.14.NI

25°
MEDIUM



Luminous flux luminaire
827 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	4976	0.44
2	1244	0.88
3	553	1.32
4	311	1.76
5	199	2.21

Optic Flood

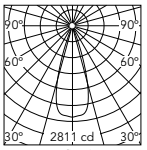
Dali 2
- 05.8342.40.DA
- 05.8342.14.DA

1-10V
- 05.8342.40.1V
- 05.8342.14.1V

Casambi
- 05.8342.40.CB
- 05.8342.14.CB

Mains Dimming
- 05.8342.40.NI
- 05.8342.14.NI

34°
FLOOD



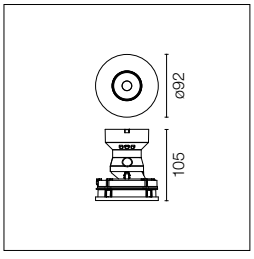
Luminous flux luminaire
834 lm

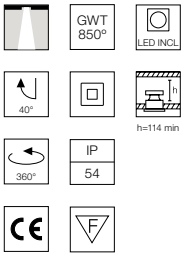
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2811	0.61
2	703	1.22
3	312	1.82
4	176	2.43
5	112	3.04

Eclectic Ø90 Dim To Warm. Adjustable Soft

LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90





Eclectic Ø90 Dim To Warmmm. Downlight ausrichtbar (Schwenkbereich 40°, Drehbereich 360°). Blende mit dem Design „Soft“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 41°. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90 Dim To Warm. Adjustable Downlight (40° tilt, 360° rotation). “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Optic Medium

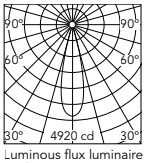
Dali 2
- 05.8346.40.DA
- 05.8346.14.DA

1-10V
- 05.8346.40.1V
- 05.8346.14.1V

Casambi
- 05.8346.40.CB
- 05.8346.14.CB

Mains Dimming
- 05.8346.40.NI
- 05.8346.14.NI

25°
MEDIUM



Luminous flux luminaire
828 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	4920	0.45
2	1230	0.89
3	547	1.34
4	308	1.78
5	197	2.23

Optic Flood

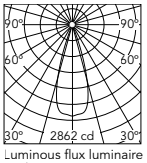
Dali 2
- 05.8347.40.DA
- 05.8347.14.DA

1-10V
- 05.8347.40.1V
- 05.8347.14.1V

Casambi
- 05.8347.40.CB
- 05.8347.14.CB

Mains Dimming
- 05.8347.40.NI
- 05.8347.14.NI

34°
FLOOD



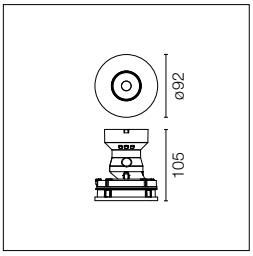
Luminous flux luminaire
832 lm

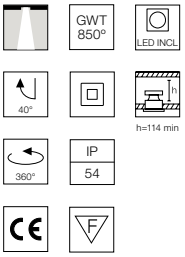
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2862	0.60
2	716	1.21
3	318	1.81
4	179	2.41
5	114	3.01

Eclectic Ø90 Dim To Warm. Adjustable Flat

LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90





Eclectic Ø90 Dim To Warm mm. Downlight ausrichtbar (Schwenkbereich 40º, Drehbereich 360º). Blende mit dem Design „Flat“. Montagerahmen erforderlich, nicht enthalten (separat zu bestellen). Position der LED zurückversetzt: Abstrahlwinkel von 49º. Dichtheit IP20 (Für IP54 wird spezifisches Zubehör benötigt). Alternative Optionen zu Linsen, Modulen für die Ausrichtbarkeit und dem Design der Blende sind als Ersatz- oder Austauschteile erhältlich.

Eclectic Ø90 Dim To Warm. Adjustable Downlight (40º tilt, 360º rotation). “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

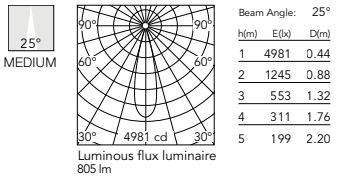
Optic Medium

Dali 2
- 05.8351.40.DA
- 05.8351.14.DA

1-10V
- 05.8351.40.1V
- 05.8351.14.1V

Casambi
- 05.8351.40.CB
- 05.8351.14.CB

Mains Dimming
- 05.8351.40.NI
- 05.8351.14.NI



Luminous flux luminaire
805 lm

Beam Angle:		25°
h(m)	E(lx)	D(m)
1	4981	0.44
2	1245	0.88
3	553	1.32
4	311	1.76
5	199	2.20

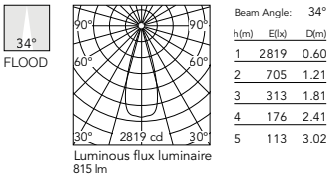
Optic Flood

Dali 2
- 05.8352.40.DA
- 05.8352.14.DA

1-10V
- 05.8352.40.1V
- 05.8352.14.1V

Casambi
- 05.8352.40.CB
- 05.8352.14.CB

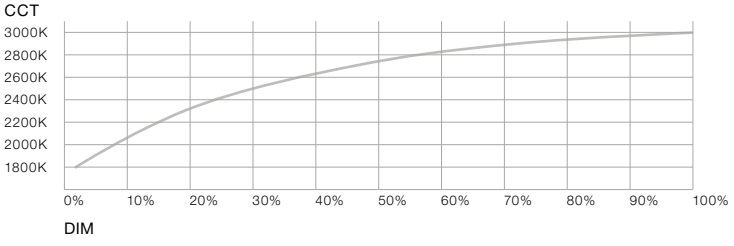
Mains Dimming
- 05.8352.40.NI
- 05.8352.14.NI



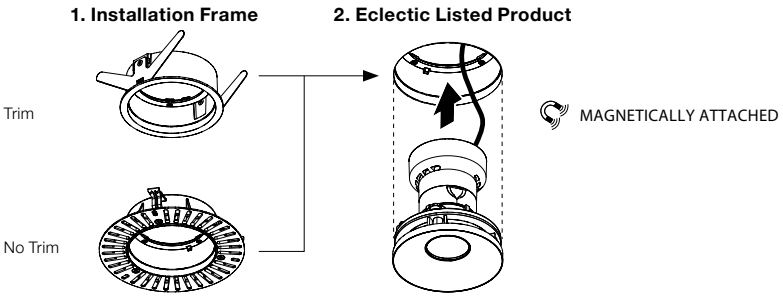
Luminous flux luminaire
815 lm

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	2819	0.60
2	705	1.21
3	313	1.81
4	176	2.41
5	113	3.02

ECLECTIC DIM TO WARM. HOW IT WORKS?

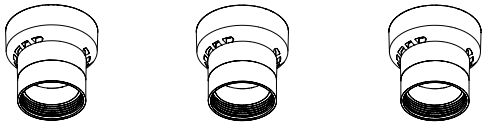


HOW TO ORDER ECLECTIC Ø90



ACCESSORIES & SPARE PARTS ECLECTIC Ø90

LIGHT ENGINE MODULE
Not Sold as Spare Part



LED Array | Power LED | LED Array DIM To Warm*

LENS MODULE
Spare Part

Super Spot | Spot | Medium | Flood | Wide Flood

ACCESSORIES

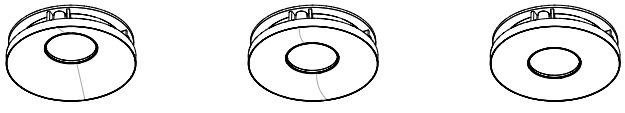
Honeycomb | Dichroic filter CCT Increase | Dichroic filter CCT Decrease | IP 54 Accessory (Only for adjustable)

ORIENTATION MODULE
Spare Part

Fixed | Adjustable

MAGNETICALLY ATTACHED | MAGNETICALLY ATTACHED

STYLE MODULE
Spare Part



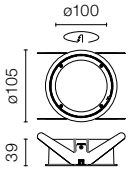
Cone | Soft | Flat

Light Engine Module not Sold as Spare Part. Special Orders Please Consult.
* In Dim to Warm models the driver is included. In the rest of the models, it is supplied separately.

Zubehör Ø90 / Accessories Ø90

Rahmen Blende.
Vollständige Information über Installationsmaße und – Anforderungen finden Sie in der Montageanleitung.

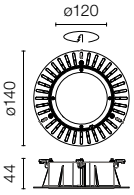
Trim Frame.
For further and full installation measures & requirements, please consult mounting instructions.



08.0671.40
08.0671.14

Rahmen ohne Blende.
Vollständige Information über Installationsmaße und – Anforderungen finden Sie in der Montageanleitung.

No Trim Frame.
For further and full installation measures & requirements, please consult mounting instructions.



08.0673.00

Wabenraster — Honeycomb

08.0728.00

IP54 einstellbar — Adjustable IP 54

08.0730.00

Dichroitischer CCT-Filter — Dichroic CCT Filter

Increase
2700K >> 3125±75K
3000K >> 3600±75K
08.0735.00

Decrease
2700K >> 2450±75K
3000K >> 2700±75K
08.0736.00

Ersatzteile Ø90 / Spare parts Ø90

Linsen — Lenses

LED Array
Opic Spot
08.0714.00
Opic Medium
08.0715.00
Opic Flood
08.0716.00
Opic Wide Flood
08.0717.00

LED Array DIM To Warm
Opic Medium
08.0715.00
Opic Flood
08.0716.00

Power LED
Opic Super Spot
08.0718.00
Opic Spot
08.0719.00
Opic Medium
08.0720.00

Ausrichtungsmodul — Orientation Module

Fixed
08.0741.00

Adjustable
08.0742.00

Design-Module — Style Modules

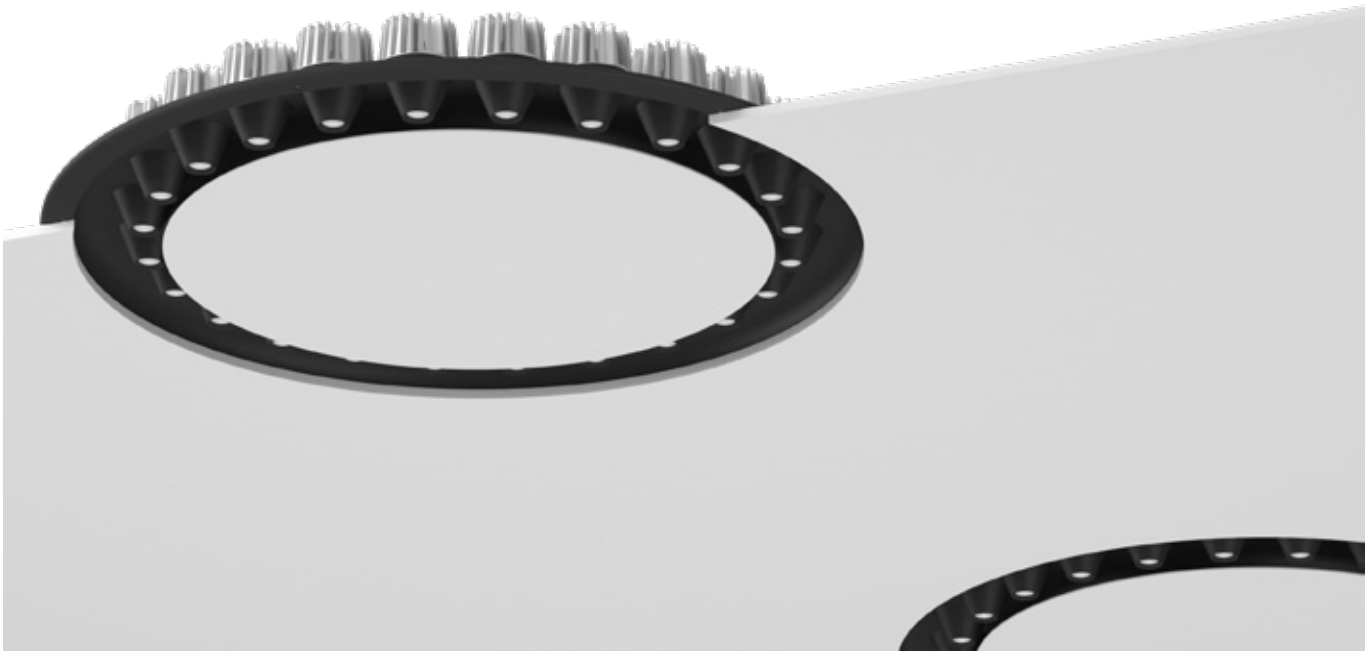
Cone
08.0724.40
08.0724.14

Soft
08.0725.40
08.0725.14

Flat
08.0726.40
08.0726.14

CIRCLE OF LIGHT

DESIGNED BY FLOS ARCHITECTURAL



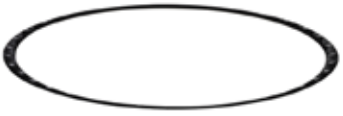
CIRCLE OF LIGHT
300 mm

LIGHT SOURCE
POWER LED
12x3W
12x325 lm
2700K/CRI 90
12x3W
12x370 lm
3000K/CRI 90

CIRCLE OF LIGHT
600 mm

LIGHT SOURCE
POWER LED
24x3W
24x325 lm
2700K/CRI 90
24x3W
24x370 lm
3000K/CRI 90

CIRCLE OF LIGHT
900 mm



LIGHT SOURCE
POWER LED
36x3W
36x325 lm
2700K/CRI 90
36x3W
36x370 lm
3000K/CRI 90

14 Schwarz
14 Black

reddot design award
winner 2013

Produktbeschreibung
Einbauleuchte für Innenräume zur problemlosen Installation in Gipskartondecken. Die Leuchte besteht aus einer runden Struktur, auf der ein LED-Beleuchtungsmodul positioniert wird, das sich den ganzen Umkreis entlang fortsetzt.
Das Produkt wird vorinstalliert auf einem Profil vom Typ “Soft Architecture” geliefert, um einfache Montage und perfekte Integration in der Decke zu gewährleisten.
Durch das magnetische Befestigungssystem können sowohl die Installation der Lichtmodule als auch spätere Wartungsmaßnahmen ohne Spezialwerkzeuge vorgenommen werden.
Circle of Light ist in drei Durchmessern erhältlich: 300, 600 und 900 mm mit jeweils 12, 24 oder 36 Strahlern.

Reflektoren
Die Leuchte ist in der Version Akzentbeleuchtung mit intensiven Optiken (accent lighting) oder in der Version Allgemeinbeleuchtung mit extensiven Optiken (general lighting) erhältlich. Das System verfügt somit über eine gewisse Flexibilität zur Anpassung an die jeweiligen Beleuchtungsanforderungen.

Betriebsgerät
Fern-Netzteil 1050 mA eingeschlossen.
Treiber 1-10V (1V arbeitet mit 10%) für passive Controller (Sink-System). Auch kompatibel mit aktiven Dimmreglern von 0,6-10 V (Quellsystem).
Die Version 1-10V kann auch über einen einfachen Taster ohne Innenlampe gesteuert werden. Verfügbare Synchronisationskabel zwischen Treibern (für weitere Details zur Installation wenden Sie sich an die technische Abteilung).

Zusatzinformationen
Im Lieferumfang der Leuchte ist ein Fern-Netzteil 24V enthalten. Der Anschluss an den Wandler DC-DC erfolgt über ein Kabel mit Schnellanschlussklemmen, womit eine korrekte Installation gewährleistet wird und keine Spezialwerkzeuge erforderlich sind.
Der spätere Zugriff auf Netzteil und Wandler DC-DC sowie die Verbindungskabel wird dank der Möglichkeit gewährleistet, das Mittelteil der Leuchte zu entfernen. Auf diese Weise lassen sich Wartungsarbeiten einfach und problemlos durchführen.
Schutzgrad IP20.
Schutzklasse II.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
A lighting system for indoor application comprised of a circular metal structure on which individual LED lighting spots are placed. The fitting is pre-wired and comes with a “Soft Architecture” type frame for an easy and seamless installation on the plasterboard ceiling.
The LED lighting modules are attached with a magnet for an easy mounting and for the maintenance no special tools are needed.
Circle of Light is available in three diameters: 300, 600 or 900 mm comprised of 12, 24 or 36 LED Lighting Spots, according to each size.

Reflectors
The LED spotlight set for the Circle of Light is available for Accent Lighting or General Lighting optic concepts. Herewith this fitting offers a some flexibility to create the desired ambiance.

Power Supply
Remote equipment 1050 mA included.
Driver 1-10V (1V means 10%) for passive dimming controls (sink system). Also compatible with active dimming controls 0,6-10V (source system).
The 1–10-V version can also be controlled a simple button without courtesy light. Cables available for synchronization between drivers (contact the technical department for more details about installation).

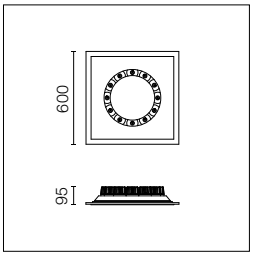
Additional Information
The luminaire is supplied with a constant current remote power supply which is connected to a connection distributor equipped with quick connections, to ensure a successful installation where no specific tools are required. Since the central part of the luminaire can be removed, subsequent access to both the power supply and the connection distributor and its interconnecting wiring is ensured. This means that the maintenance work can be carried out easily and conveniently.
IP20 protection grade.
Insulation class II.

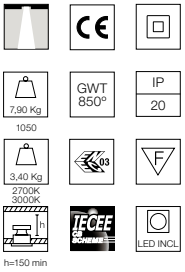
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance Of Standards And Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Circle Of Light 300 mm

Power LED 12x4,5W - 12x315 lm - 2700K/CRI 90 / 12x4,5W - 12x297 lm - 3000K/CRI 90





Perfekt in der Decke integriertes Beleuchtungssystem für die Aufnahme von 12 Strahlern vom Typ LED. Set aus 12 Strahlern mit dem dazugehörigen Elektrosystem nicht eingeschlossen, wird separat geliefert. Die Version 1-10V ermöglicht eine Helligkeitsregelung von 10% bis 100%.

Akzent- und Allgemeines Beleuchtung: man muss 1 Stück bestellen.

Für Casambi-Versionen wenden Sie sich an das Front Office.

Lighting system, seamless ceiling mounted, for 12 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

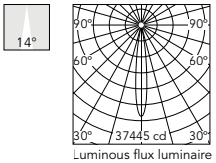
Accent lighting and general lighting: 1 unit must be ordered.

For Casambi versions consult the Front Office.

Ø300
Soft Plate
SA.1050.1

2700K
Set of 12 spots. Accent Lighting

No DIM
08.8662.14D
1-10V
08.8662.14D1V
Dali Version
08.8662.14DDA

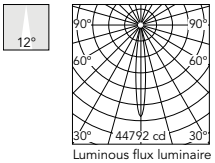


Luminous flux luminaire
2263 lm *1 x Set 12 Spots

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	37445	0.24
2	9361	0.48
3	4161	0.72
4	2340	0.95
5	1498	1.19

3000K
Set of 12 spots. Accent Lighting

No DIM
08.8572.14D
1-10V
08.8572.14D1V
Dali Version
08.8572.14DDA

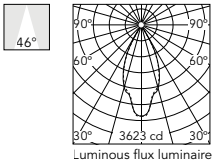


Luminous flux luminaire
2417 lm *1 x Set 12 Spots

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	44792	0.22
2	11198	0.43
3	4977	0.65
4	2800	0.87
5	1792	1.08

2700K
Set of 12 spots. General Lighting

No DIM
08.8663.14D
1-10V
08.8663.14D1V
Dali Version
08.8663.14DDA

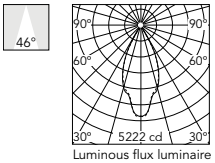


Luminous flux luminaire
1799 lm *1 x Set 12 Spots

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	3622	0.84
2	905	1.69
3	402	2.53
4	226	3.37
5	145	4.22

3000K
Set of 12 spots. General Lighting

No DIM
08.8573.14D
1-10V
08.8573.14D1V
Dali Version
08.8573.14DDA

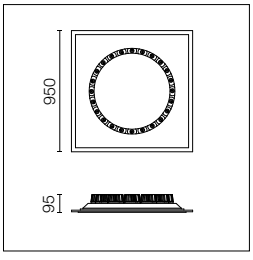


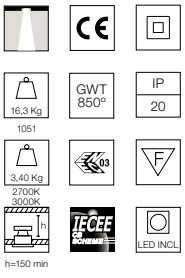
Luminous flux luminaire
2592 lm *1 x Set 12 Spots

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	5219	0.84
2	1305	1.69
3	580	2.53
4	326	3.37
5	209	4.22

Circle Of Light 600 mm

Power LED 24x4,5W - 24x315 lm - 2700K/CRI 90 / 24x4,5W - 24x297 lm - 3000K/CRI 90





Perfekt in der Decke integriertes Beleuchtungssystem für die Aufnahme von 24 Strahlern vom Typ LED. Sets aus 12 Strahlern mit den dazugehörigen Elektrosystemen nicht eingeschlossen, werden separat geliefert. Die Version 1-10V ermöglicht eine Helligkeitsregelung von 10% bis 100%.

Akzent- und Allgemeines Beleuchtung: man muss 2 Stück bestellen.

Für Casambi-Versionen wenden Sie sich an das Front Office.

Lighting system, seamless ceiling mounted, for 24 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

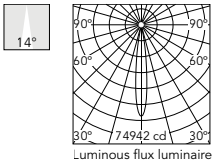
Accent lighting and general lighting: 2 units must be ordered.

For Casambi versions consult the Front Office.

Ø600
Soft Plate
SA.1051.1

2700K
Set of 12 spots. Accent Lighting

No DIM
08.8662.14D
1-10V
08.8662.14D1V
Dali Version
08.8662.14DDA

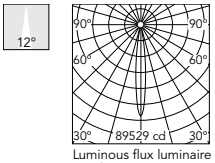


Luminous flux luminaire
4529 lm *2 x Set 12 Spots

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	74942	0.24
2	18736	0.48
3	8327	0.72
4	4684	0.95
5	2998	1.19

3000K
Set of 12 spots. Accent Lighting

No DIM
08.8572.14D
1-10V
08.8572.14D1V
Dali Version
08.8572.14DDA

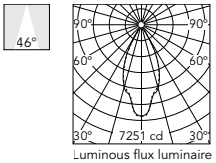


Luminous flux luminaire
4831 lm *2 x Set 12 Spots

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	89529	0.22
2	22382	0.43
3	9948	0.65
4	5596	0.87
5	3581	1.08

2700K
Set of 12 spots. General Lighting

No DIM
08.8663.14D
1-10V
08.8663.14D1V
Dali Version
08.8663.14DDA

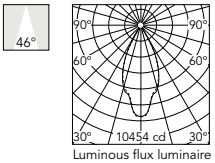


Luminous flux luminaire
3600 lm *2 x Set 12 Spots

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	7248	0.84
2	1812	1.69
3	805	2.53
4	453	3.37
5	290	4.22

3000K
Set of 12 spots. General Lighting

No DIM
08.8573.14D
1-10V
08.8573.14D1V
Dali Version
08.8573.14DDA

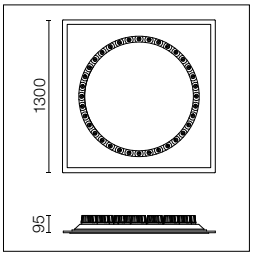


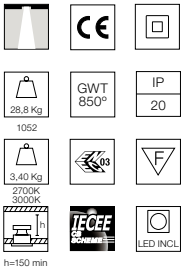
Luminous flux luminaire
5189 lm *2 x Set 12 Spots

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	10449	0.84
2	2612	1.69
3	1161	2.53
4	653	3.37
5	418	4.22

Circle Of Light 900 mm

Power LED 36x4,5W - 36x315 lm - 2700K/CRI 90 / 36x4,5W - 36x297 lm - 3000K/CRI 90





Perfekt in der Decke integriertes Beleuchtungssystem für die Aufnahme von 36 Strahlern vom Typ LED. Sets aus 12 Strahlern mit den dazugehörigen Elektrosystemen nicht eingeschlossen, werden separat geliefert. Die Version 1-10V ermöglicht eine Helligkeitsregelung von 10% bis 100%.

Akzent- und Allgemeines Beleuchtung: man muss 3 Stück bestellen.

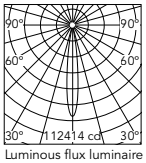
Lighting system, seamless ceiling mounted, for 36 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Accent lighting and general lighting: 3 units must be ordered.

Ø900
Soft Plate
SA.1052.1

2700K
Set of 12 spots. Accent Lighting

14°



Luminous flux luminaire
6794 lm *3 x Set 12 Spots

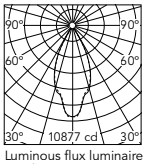
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	112414	0.24
2	28103	0.48
3	12490	0.72
4	7026	0.95
5	4497	1.19

No DIM
08.8662.14D
1-10V
08.8662.14D1V
Dali Version
08.8662.14DDA

2700K
Set of 12 spots. General Lighting

46°



Luminous flux luminaire
5399 lm *3 x Set 12 Spots

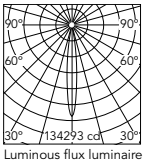
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	10872	0.84
2	2718	1.69
3	1208	2.53
4	680	3.37
5	435	4.22

No DIM
08.8663.14D
1-10V
08.8663.14D1V
Dali Version
08.8663.14DDA

3000K
Set of 12 spots. Accent Lighting

12°



Luminous flux luminaire
7246 lm *3 x Set 12 Spots

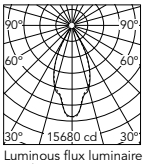
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	134293	0.22
2	33573	0.43
3	14921	0.65
4	8393	0.87
5	5372	1.08

No DIM
08.8572.14D
1-10V
08.8572.14D1V
Dali Version
08.8572.14DDA

3000K
Set of 12 spots. General Lighting

46°



Luminous flux luminaire
7784 lm *3 x Set 12 Spots

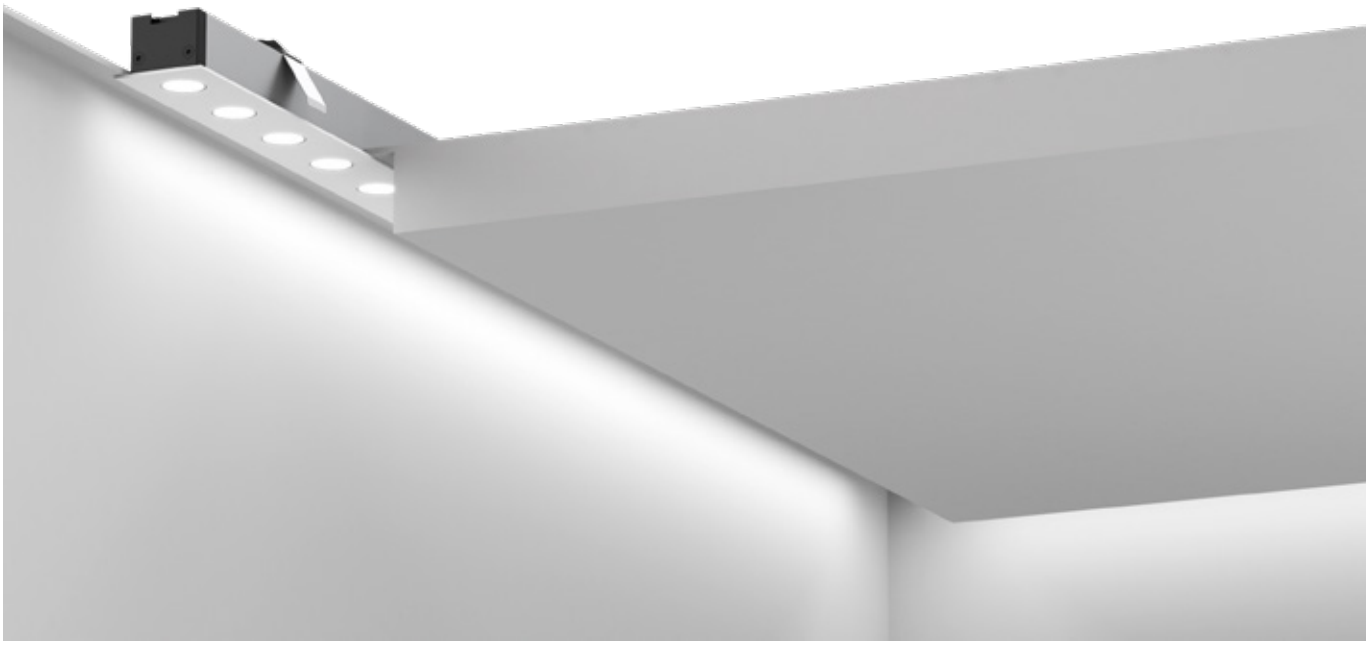
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	15673	0.84
2	3918	1.69
3	1741	2.53
4	980	3.37
5	627	4.22

No DIM
08.8573.14D
1-10V
08.8573.14D1V
Dali Version
08.8573.14DDA

LED CURTAIN

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SOURCE
POWER LED
29W/m
24V
2845 lm/m
3000K/CRI 90
3495 lm/m
4000K/CRI 90

☐ 30 Weiss
30 White

Produktbeschreibung
Einbauleuchte für LED-Lichtquelle. Sie besteht aus zwei stranggepressten Aluminiumprofilen, die den Hochleistungs-LEDs als Kühlelement dienen.
Ellipsenförmige Linsen sorgen für eine perfekte Lichtstreuung.
Verfügbar in Modulen in unterschiedlichen Längen, die über ein Verbundkabel mit Schnellanschluss vom Typ Tyco miteinander verbunden werden können.

Betriebsgerät
24-V-Netzgeräte erhältlich für 20W bis 100W Leistung (max. Länge 3 meter). Dimmer-Systeme mit 1-10V oder Dali verfügbar.

Zusatzinformationen
LED-Module verschiedener Längen, die untereinander über das als Zubehör erhältliche Verbundkabel zu verbinden sind. Verfügen über Schnellanschlüsse vom Typ Tyco, weshalb die Stromversorgung über das vorgesehene Zubehörkabel zu erfolgen hat.
Die maximale Länge ab dem Versorgungspunkt beträgt 3 Meter.
Schutzgrad IP20.
Schutzklasse III.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Embedded light fixtures for LED light source. Made of two extruded aluminium sections used to dissipate the heat from the power LEDs.
With elliptical lenses for perfect light distribution.
Available in modules of different lengths which can be interconnected by a Tyco-type fast-connection cable.

Power Supply
24V power supplies available with a power of between 20W and 100W (maximum 3 metres in length).
Control system with 1-10V dimmer or Dali available.

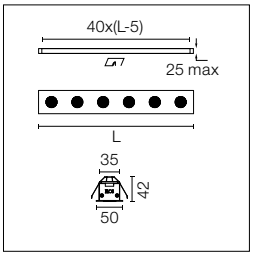
Additional Information
LED modules of different lengths, inter-connectable using the connection cable. With fast Tyco-type connectors, for power supply with the cable provided for this purpose, available with accessories. Maximum length from a connection point 3 metres.
IP20 protection grade.
Insulation class III.

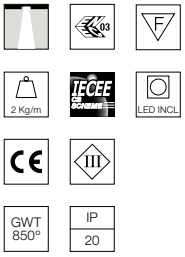
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

LED Curtain

Power LED 29W/m - 24V - 2845 lm/m - 3000K/CRI 90 / 29W/m - 24V - 3495 lm/m - 4000K/CRI 90



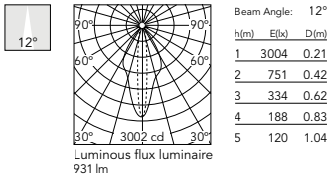


Einbauleuchte für direkte LED Beleuchtung. Inklusive ellipsenförmige Linse 12°x52°. Fern-Driver ist nicht eingeschlossen.

Recessed luminaire for direct lighting with LED. Elliptical lens 12°x52° incorporated. Remote transformer not included.

3000K

L: 600 mm
17,3W - 1906 lm - 12 LEDs
☐ 03.3902.30E



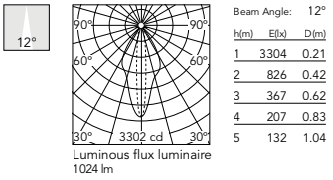
Luminous flux luminaire
931 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	3004	0.21
2	751	0.42
3	334	0.62
4	188	0.83
5	120	1.04

4000K

L: 600 mm
17,3W - 2097 lm - 12 LEDs
☐ 03.3922.30E

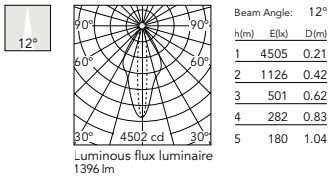


Luminous flux luminaire
1024 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	3304	0.21
2	826	0.42
3	367	0.62
4	207	0.83
5	132	1.04

L: 900 mm
26W - 2859 lm - 18 LEDs
☐ 03.3903.30E

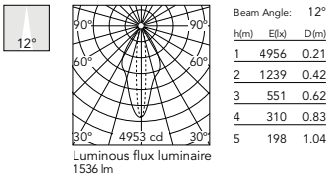


Luminous flux luminaire
1396 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	4505	0.21
2	1126	0.42
3	501	0.62
4	282	0.83
5	180	1.04

L: 900 mm
26W - 3146 lm - 18 LEDs
☐ 03.3923.30E

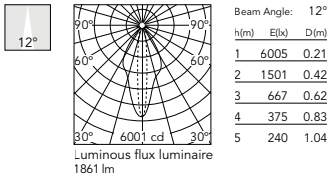


Luminous flux luminaire
1536 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	4956	0.21
2	1239	0.42
3	551	0.62
4	310	0.83
5	198	1.04

L: 1200 mm
34,7W - 3412 lm - 24 LEDs
☐ 03.3904.30E

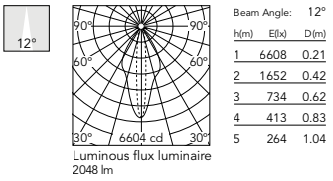


Luminous flux luminaire
1861 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	6005	0.21
2	1501	0.42
3	667	0.62
4	375	0.83
5	240	1.04

L: 1200 mm
34,7W - 4194 lm - 24 LEDs
☐ 03.3924.30E



Luminous flux luminaire
2048 lm

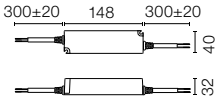
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	6608	0.21
2	1652	0.42
3	734	0.62
4	413	0.83
5	264	1.04

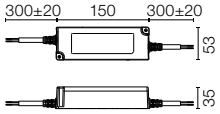
Treiber / Drivers

Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.

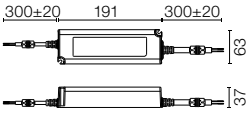
Electronic transformer with constant voltage (24V) for LED. 100/240V.



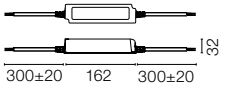
25W
60.8703



60W
60.9089



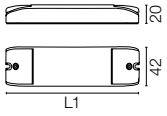
120W
60.9407



60W
60.8515

Steuereinheit für Dimmung; 1-Kanal-Steuerung für 24V-LED-Module; Netzgerät nicht inbegriffen. Max. 120W - 5A.

Dimmable control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.



1-10V
60.8640
L1: 172

DALI
60.9766
L1: 181

Verbundkabel für Module mit Schnellanschluss Typ Tyco.

Connection cable between modules with Tyco fast connection cable.

L: 100 mm
06.1032.00
L: 500 mm
06.1033.00

Netzkabel mit Schnellanschluss Typ Tyco. Maximale Netzkabellänge 3 meter.

Power cable with Tyco fast connection cable. Maximum supply length 3 metres.

L: 500 mm
06.1034.00

DOWNLIGHTS

Kap, Bon Jour, UT Downlight, Light Supply,
Wan Downlight, Johnny.

KAP

DESIGNED BY FLOS ARCHITECTURAL

KAP Ø50

FIXED

ADJUSTABLE

LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

KAP 80

FIXED

LIGHT SOURCE
KAP 80
LED ARRAY
9,2W
935 lm
2700K/CRI 90
974 lm
3000K/CRI 90

LIGHT SOURCE
KAP 80 PLUS
LED ARRAY
13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

ADJUSTABLE

LIGHT SOURCE
KAP 80 DTW
LED ARRAY
13W
1023 lm
1800K-2850K
CRI 95
Dim To Warm

WALL-WASHER

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

KAP Ø105

FIXED

LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

ADJUSTABLE

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

WALL-WASHER

LIGHT SOURCE
LED
PAR 16
GZ10

DEEP

LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

SQUARE FIXED

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

KAP COLORS - TRIMLESS MOUNTING

B1 Weiss
B1 White

GL Mattgold
GL Matte Gold

74 Schwarz
74 Black

EASY KAP

DESIGNED BY FLOS ARCHITECTURAL

EASY KAP Ø30

FIXED

ADJUSTABLE

LIGHTSOURCE
POWER LED
3W
222 lm
2700K/CRI90
229 lm
3000K/CRI95

EASY KAP Ø50

FIXED

ADJUSTABLE

LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

EASY KAP 80

FIXED

ADJUSTABLE

WALL-WASHER

LIGHT SOURCE
EASY KAP 80
LED ARRAY
9,2W
935 lm
2700K/CRI 90
974 lm
3000K/CRI 90

LIGHT SOURCE
EASY KAP 80 PLUS
LED ARRAY
13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

LIGHT SOURCE
EASY KAP 80 DTW
LED ARRAY
13W
1023 lm
1800K-2850K
CRI 95
Dim To Warm

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

EASY KAP Ø105

FIXED

ADJUSTABLE

WALL-WASHER

LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

EASY KAP COLORS - TRIM MOUNTING

B1 Weiss
B1 White

GL Mattgold
GL Matte Gold

74 Schwarz
74 Black

Produktbeschreibung
Deckeneinbauleuchte für Halogenlampen, Halogen-Metalldampflampen und LEDs.
Die Easy Kap-Version verfügt über ein druckgegossenes Aluminiumgehäuse für die Versionen mit 50, 80 und 105 mm, mit Flüssiglack- oder Pulverbeschichtung und einem Diffusor aus Glas oder Kunststoff, je nach Ausführung. Easy Kap: Kein Vorinstallationsrahmen erforderlich.
Die Kap-Version hat ein druckgegossenes Aluminiumgehäuse mit Flüssiglack-Finish. Erhältlich in drei Durchmessern: 50 mm, 80 mm und 105 mm.
Ausführung je nach Version in glänzendem, eloxiertem Aluminium mit Diffusorelement aus Glas oder Kunststoff.
Lampenfassung mit Kühlkörper aus Aluminium-Spritzguss und Einbauring für das optische Gehäuse aus thermoplastischem Material.

Einspeisung
Easy Kap 30/50/80/105 LED und Kap 50 and 80: Fernansteuerung nicht inbegriffen.
Kap 105 LED/Kap 80 und Easy Kap 80 Dim To Warm: 1-10V Fernansteuerung inbegriffen. Die Ausgangsspannung des Geräts muss immer unter 60 VDC liegen.

Zubehör
Vorinstallationsrahmen für die Modelle Kap 50 und 80 round und square, und Kap 105 round.
Deckendose für die Installation auf Zement erhältlich.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber“.

Zusatzinformationen
Schutzgrad IP20, IP23, IP43, IP44, IP54, IP65 je nach Modell.
Schutzklasse I, II, III je nach Modell.
- KAP 50 / 80 / 105:
Die LED-Module der Modellreihe LED Array entsprechen dem neuesten Stand der Technik, der sich durch eine geringere Durchschnittstemperatur im elektronischen Betrieb auszeichnet. Dank dieser Eigenschaft kann die Lichtquelle, innerhalb der Sicherheitsparameter, mit einer höheren Leistung betrieben werden und einen 20 % größeren Lichtstrom erzeugen.
Die neue “Dim To Warm” -Technologie reproduziert die Wirkung der alten Halogenlampen durch Regelung und bietet durch Verringern der Lichtintensität mehr Wärme.
“Dim To Warm” -Leuchten werden durch das 1-10V-Protokoll geregelt.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Luminaire for embedded installation in ceilings for LEDs lamps.
The Easy Kap version has an aluminium injected body for the 50, 80 and 105 mm versions, with a liquid paint or dust with a glass or plastic diffuser depending on the version. Easy Kap: does not need a pre-installation frame.
The Kap version has an aluminium-injected body with a liquid paint finish. Available in three diameters: 50 mm, 80 mm and 105 mm.
Main optics in shiny anodised aluminium with a glass or plastic diffuser element, depending on the version.
Lamp holder with a dissipating element in injected aluminium and a thermoplastic embedding ring for the optic body.

Power Supply
Easy Kap 30/50/80/105 LED and Kap 50 and 80: Remote equipment not included.
Kap 105 LED/Kap 80 and Easy Kap 80 Dim To Warm: 1-10V remote equipment included. The output voltage of the equipment must always be less than 60Vdc.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Accessories
Pre-installation frame for the round and square Kap 50 and 80 and 105 version.
Available for installation on cement.

Additional Information
IP20, IP23, IP43, IP44, IP54, IP65 protection grade depending on the versions.
Insulation class I, II, III depending on the versions.
- KAP 50 / 80 / 105:
The LED modules installed on the LED Array versions have cutting-edge technology that permits a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters yet still offer 20% added luminous flux.
The new “Dim To Warm” technology reproduces the effect of a traditional lamp, offering a warmer light by reducing the light intensity.
The “Dim To Warm” luminaries are dimmed through the 1-10V protocol.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

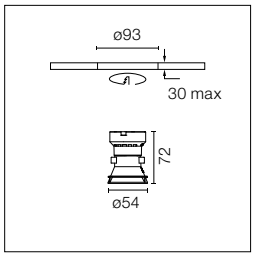
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

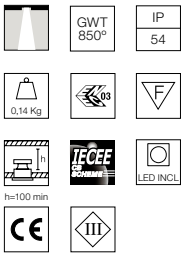
Easy Kap

Kap

Kap Ø50 Fixed

LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Remote-Netzteil zur Anbringung an einer zugänglichen Stelle. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

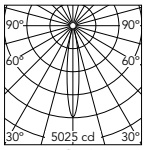
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali 2	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7300.B1
- 05.7300.GL
- 05.7300.74

15° SPOT



Luminous flux luminaire 543 lm [EXTREME CUT OFF]
@White (B1)

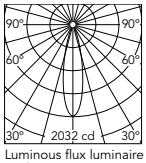
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7301.B1
- 05.7301.GL
- 05.7301.74

24° MEDIUM



Luminous flux luminaire 488 lm [EXTREME CUT OFF]
@White (B1)

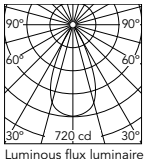
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7302.B1
- 05.7302.GL
- 05.7302.74

49° FLOOD



Luminous flux luminaire 496 lm [EXTREME CUT OFF]
@White (B1)

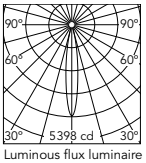
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7305.B1
- 05.7305.GL
- 05.7305.74

15° SPOT



Luminous flux luminaire 583 lm [EXTREME CUT OFF]
@White (B1)

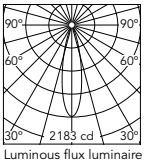
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7306.B1
- 05.7306.GL
- 05.7306.74

24° MEDIUM



Luminous flux luminaire 524 lm [EXTREME CUT OFF]
@White (B1)

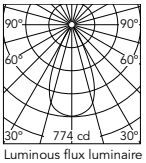
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7307.B1
- 05.7307.GL
- 05.7307.74

49° FLOOD



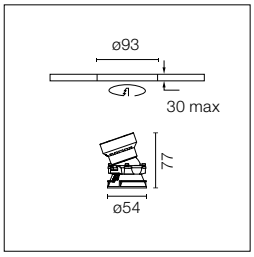
Luminous flux luminaire 532 lm [EXTREME CUT OFF]
@White (B1)

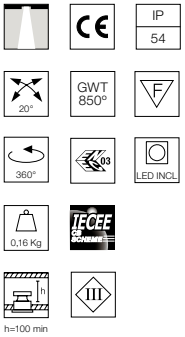
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Kap Ø50 Adjustable

LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Remote-Netzteil zur Anbringung an einer zugänglichen Stelle. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

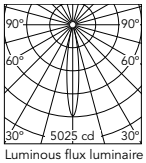
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7310.B1
- 05.7310.GL
- 05.7310.74

15° SPOT



Luminous flux luminaire
543 lm (EXTREME CUT OFF)
@White (B1)

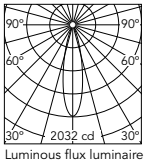
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7311.B1
- 05.7311.GL
- 05.7311.74

24° MEDIUM



Luminous flux luminaire
488 lm (EXTREME CUT OFF)
@White (B1)

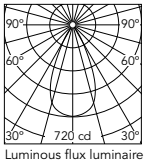
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7312.B1
- 05.7312.GL
- 05.7312.74

49° FLOOD



Luminous flux luminaire
496 lm (EXTREME CUT OFF)
@White (B1)

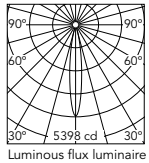
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7315.B1
- 05.7315.GL
- 05.7315.74

15° SPOT



Luminous flux luminaire
583 lm (EXTREME CUT OFF)
@White (B1)

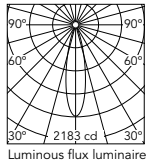
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7316.B1
- 05.7316.GL
- 05.7316.74

24° MEDIUM



Luminous flux luminaire
524 lm (EXTREME CUT OFF)
@White (B1)

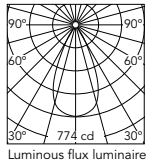
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7317.B1
- 05.7317.GL
- 05.7317.74

49° FLOOD



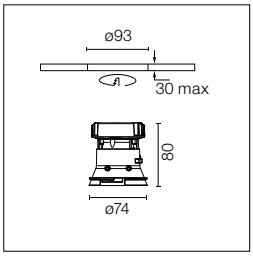
Luminous flux luminaire
532 lm (EXTREME CUT OFF)
@White (B1)

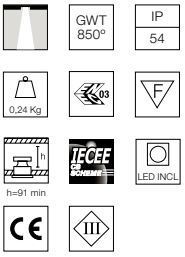
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Kap Ø80 - Fixed

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

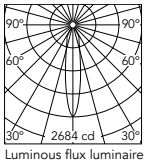
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4531.B1
- 03.4531.GL
- 03.4531.74

19° SPOT



Luminous flux luminaire 710 lm [EXTREME CUT OFF]
@White (B1)

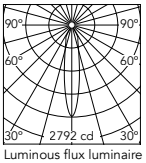
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2684	0.34
2	671	0.68
3	298	1.02
4	168	1.36
5	107	1.70

Optic Spot 3000K

- 03.4530.B1
- 03.4530.GL
- 03.4530.74

19° SPOT



Luminous flux luminaire 739 lm [EXTREME CUT OFF]
@White (B1)

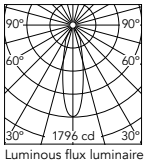
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2792	0.34
2	698	0.68
3	310	1.02
4	175	1.36
5	112	1.70

Optic Medium 2700K

- 03.4181.B1
- 03.4181.GL
- 03.4181.74

26° MEDIUM



Luminous flux luminaire 606 lm [EXTREME CUT OFF]
@White (B1)

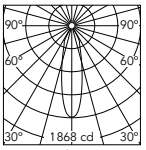
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1796	0.46
2	449	0.92
3	200	1.39
4	112	1.85
5	72	2.31

Optic Medium 3000K

- 03.4180.B1
- 03.4180.GL
- 03.4180.74

26° MEDIUM



Luminous flux luminaire 630 lm [EXTREME CUT OFF]
@White (B1)

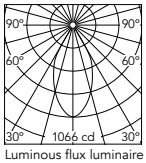
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1868	0.46
2	467	0.92
3	208	1.39
4	117	1.85
5	75	2.31

Optic Flood 2700K

- 03.4533.B1
- 03.4533.GL
- 03.4533.74

50° FLOOD



Luminous flux luminaire 688 lm [EXTREME CUT OFF]
@White (B1)

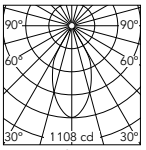
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1066	0.93
2	266	1.86
3	118	2.79
4	67	3.72
5	43	4.65

Optic Flood 3000K

- 03.4532.B1
- 03.4532.GL
- 03.4532.74

50° FLOOD



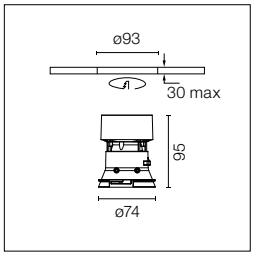
Luminous flux luminaire 715 lm [EXTREME CUT OFF]
@White (B1)

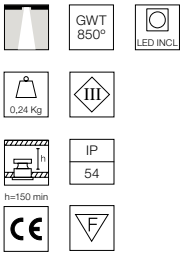
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1108	0.93
2	277	1.86
3	123	2.79
4	69	3.72
5	44	4.65

Kap Ø80 Plus - Fixed

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

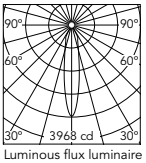
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7451.B1
- 05.7451.GL
- 05.7451.74

19° SPOT



Luminous flux luminaire
1050 lm (EXTREME CUT OFF)
@White (B1)

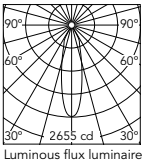
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3968	0.34
2	992	0.68
3	441	1.02
4	248	1.36
5	159	1.70

Optic Medium 2700K

- 05.7411.B1
- 05.7411.GL
- 05.7411.74

26° MEDIUM



Luminous flux luminaire
896 lm (EXTREME CUT OFF)
@White (B1)

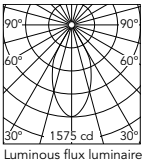
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2655	0.46
2	664	0.92
3	295	1.39
4	166	1.85
5	106	2.31

Optic Flood 2700K

- 05.7453.B1
- 05.7453.GL
- 05.7453.74

50° FLOOD



Luminous flux luminaire
1017 lm (EXTREME CUT OFF)
@White (B1)

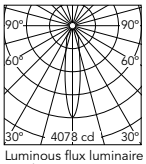
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1575	0.93
2	394	1.86
3	175	2.79
4	98	3.72
5	63	4.65

Optic Spot 3000K

- 05.7450.B1
- 05.7450.GL
- 05.7450.74

19° SPOT



Luminous flux luminaire
1079 lm (EXTREME CUT OFF)
@White (B1)

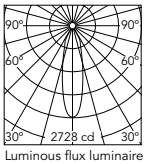
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4078	0.34
2	1019	0.68
3	453	1.02
4	255	1.36
5	163	1.70

Optic Medium 3000K

- 05.7410.B1
- 05.7410.GL
- 05.7410.74

26° MEDIUM



Luminous flux luminaire
921 lm (EXTREME CUT OFF)
@White (B1)

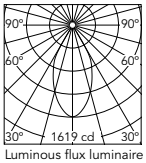
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2728	0.46
2	682	0.92
3	303	1.39
4	170	1.85
5	109	2.31

Optic Flood 3000K

- 05.7452.B1
- 05.7452.GL
- 05.7452.74

50° FLOOD



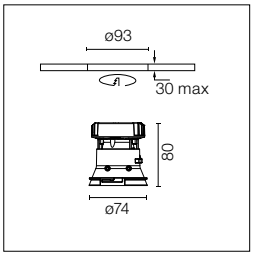
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@White (B1)

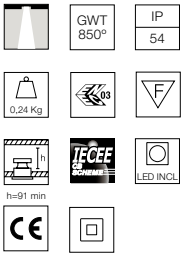
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1619	0.93
2	405	1.86
3	180	2.79
4	101	3.72
5	65	4.65

Kap Ø80 Fixed - Dim To Warm

LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

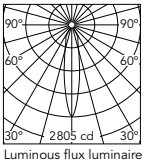




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included. Pre-installation frame. To be ordered separately.

Optic Spot
1800K-2850K
- 03.4530.B1.LE
- 03.4530.GL.LE
- 03.4530.74.LE

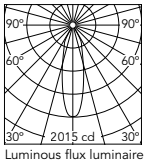


Luminous flux luminaire
740 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2805	0.35
2	701	0.69
3	312	1.04
4	175	1.39
5	112	1.74

Optic Medium
1800K-2850K
- 03.4180.B1.LE
- 03.4180.GL.LE
- 03.4180.74.LE

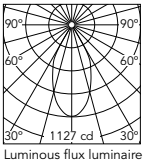


Luminous flux luminaire
735 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2015	0.49
2	504	0.98
3	224	1.46
4	126	1.95
5	81	2.44

Optic Flood
1800K-2850K
- 03.4532.B1.LE
- 03.4532.GL.LE
- 03.4532.74.LE



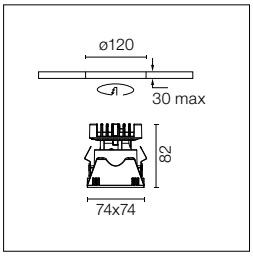
Luminous flux luminaire
729 lm [EXTREME CUT OFF]
@White (B1)

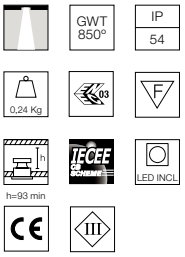
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1127	0.92
2	282	1.83
3	125	2.75
4	70	3.67
5	45	4.59

Kap 80 Square - Fixed

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

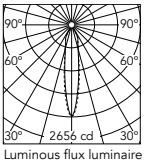
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4535.B1
- 03.4535.GL
- 03.4535.74

18° SPOT



Luminous flux luminaire 741 lm (EXTREME CUT OFF) @White (B1)

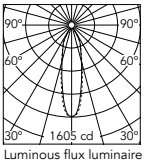
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2656	0.31
2	664	0.62
3	295	0.94
4	166	1.25
5	106	1.56

Optic Medium 2700K

- 03.4183.B1
- 03.4183.GL
- 03.4183.74

25° MEDIUM



Luminous flux luminaire 615 lm (EXTREME CUT OFF) @White (B1)

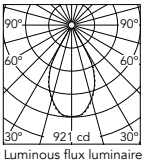
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1605	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

Optic Flood 2700K

- 03.4537.B1
- 03.4537.GL
- 03.4537.74

55° FLOOD



Luminous flux luminaire 723 lm (EXTREME CUT OFF) @White (B1)

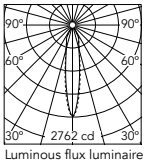
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	921	1.03
2	230	2.07
3	102	3.10
4	58	4.14
5	37	5.17

Optic Spot 3000K

- 03.4534.B1
- 03.4534.GL
- 03.4534.74

18° SPOT



Luminous flux luminaire 771 lm (EXTREME CUT OFF) @White (B1)

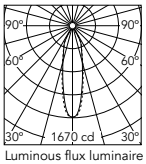
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2762	0.31
2	691	0.62
3	307	0.94
4	173	1.25
5	110	1.56

Optic Medium 3000K

- 03.4182.B1
- 03.4182.GL
- 03.4182.74

25° MEDIUM



Luminous flux luminaire 640 lm (EXTREME CUT OFF) @White (B1)

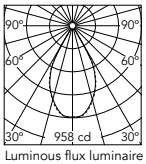
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1670	0.45
2	417	0.90
3	186	1.34
4	104	1.79
5	67	2.24

Optic Flood 3000K

- 03.4536.B1
- 03.4536.GL
- 03.4536.74

55° FLOOD



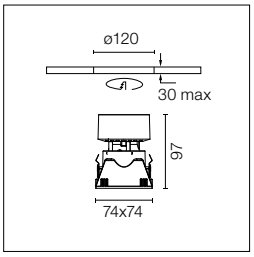
Luminous flux luminaire 752 lm (EXTREME CUT OFF) @White (B1)

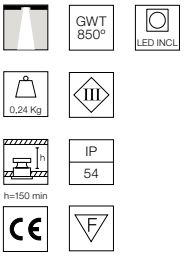
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	958	1.03
2	240	2.07
3	106	3.10
4	60	4.14
5	38	5.17

Kap 80 Plus Square - Fixed

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

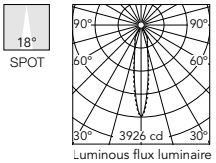
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7455.B1
- 05.7455.GL
- 05.7455.74



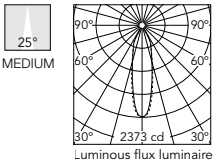
Luminous flux luminaire
1096 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3926	0.31
2	981	0.62
3	436	0.94
4	245	1.25
5	157	1.56

Optic Medium 2700K

- 05.7413.B1
- 05.7413.GL
- 05.7413.74



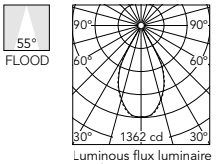
Luminous flux luminaire
910 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2373	0.45
2	593	0.90
3	264	1.34
4	148	1.79
5	95	2.24

Optic Flood 2700K

- 05.7457.B1
- 05.7457.GL
- 05.7457.74



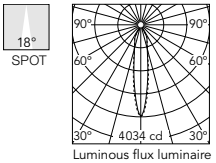
Luminous flux luminaire
1069 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1362	1.03
2	340	2.07
3	151	3.10
4	85	4.14
5	54	5.17

Optic Spot 3000K

- 05.7454.B1
- 05.7454.GL
- 05.7454.74



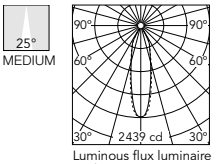
Luminous flux luminaire
1126 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4034	0.31
2	1009	0.62
3	448	0.94
4	252	1.25
5	161	1.56

Optic Medium 3000K

- 05.7412.B1
- 05.7412.GL
- 05.7412.74



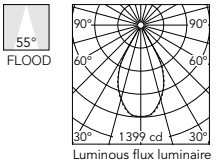
Luminous flux luminaire
935 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2439	0.45
2	610	0.90
3	271	1.34
4	152	1.79
5	98	2.24

Optic Flood 3000K

- 05.7456.B1
- 05.7456.GL
- 05.7456.74



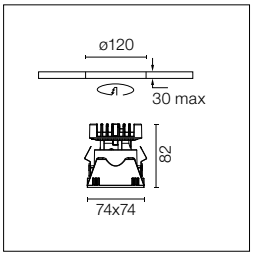
Luminous flux luminaire
1099 lm (EXTREME CUT OFF)
@White (B1)

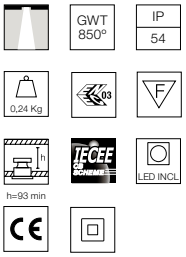
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1399	1.03
2	350	2.07
3	155	3.10
4	87	4.14
5	56	5.17

Kap 80 Square Fixed - Dim To Warm

LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

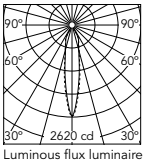




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included. Pre-installation frame. To be ordered separately.

Optic Spot
1800K-2850K
- 03.4534.B1.LE
- 03.4534.GL.LE
- 03.4534.74.LE

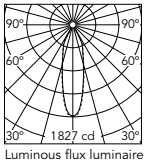


Luminous flux luminaire
753 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2620	0.32
2	655	0.64
3	291	0.96
4	164	1.28
5	105	1.60

Optic Medium
1800K-2850K
- 03.4182.B1.LE
- 03.4182.GL.LE
- 03.4182.74.LE

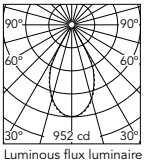


Luminous flux luminaire
750 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1827	0.48
2	457	0.96
3	203	1.45
4	114	1.93
5	73	2.41

Optic Flood
1800K-2850K
- 03.4536.B1.LE
- 03.4536.GL.LE
- 03.4536.74.LE



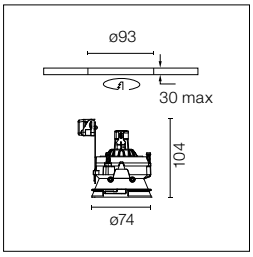
Luminous flux luminaire
736 lm [EXTREME CUT OFF]
@White (B1)

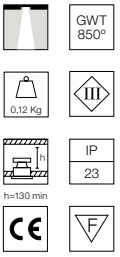
Beam Angle: 54°

h(m)	E(lx)	D(m)
1	952	1.02
2	238	2.04
3	106	3.06
4	59	4.08
5	38	5.10

Kap Ø80 Fixed

LED QR-CBC 51 GX5.3





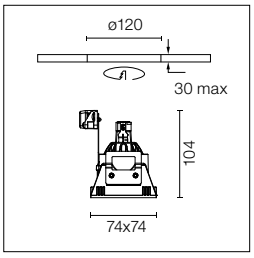
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

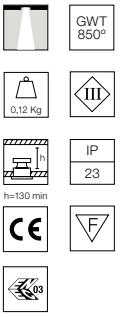
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

03.4228.B1
03.4228.GL
03.4228.74

Kap 80 Square Fixed

LED QR-CBC 51 GX5.3





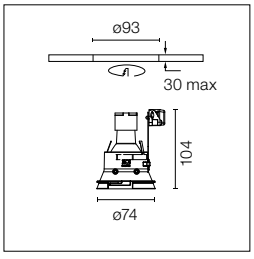
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

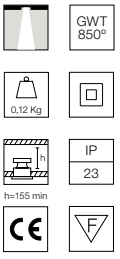
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

03.4226.B1
03.4226.GL
03.4226.74

Kap Ø80 Fixed

LED PAR 16 GZ10





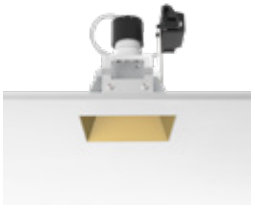
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

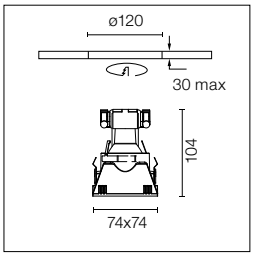
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

03.4229.B1
03.4229.GL
03.4229.74

Kap 80 Square Fixed

LED PAR 16 GZ10





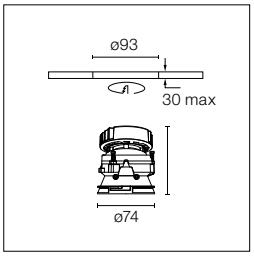
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

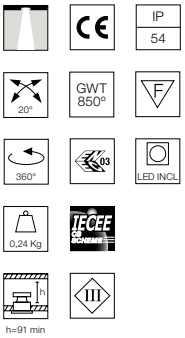
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

03.4227.B1
03.4227.GL
03.4227.74

Kap Ø80 - Adjustable

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

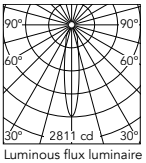
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4539.B1
- 03.4539.GL
- 03.4539.74

19° SPOT



Luminous flux luminaire 704 lm (EXTREME CUT OFF)
@White (B1)

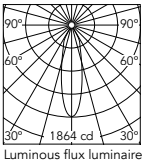
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2811	0.33
2	703	0.66
3	312	0.99
4	176	1.33
5	112	1.66

Optic Medium 2700K

- 03.4185.B1
- 03.4185.GL
- 03.4185.74

26° MEDIUM



Luminous flux luminaire 664 lm (EXTREME CUT OFF)
@White (B1)

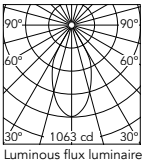
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1864	0.47
2	466	0.93
3	207	1.40
4	116	1.87
5	75	2.33

Optic Flood 2700K

- 03.4541.B1
- 03.4541.GL
- 03.4541.74

50° FLOOD



Luminous flux luminaire 688 lm (EXTREME CUT OFF)
@White (B1)

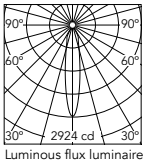
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1063	0.94
2	266	1.89
3	118	2.83
4	66	3.77
5	43	4.71

Optic Spot 3000K

- 03.4538.B1
- 03.4538.GL
- 03.4538.74

19° SPOT



Luminous flux luminaire 732 lm (EXTREME CUT OFF)
@White (B1)

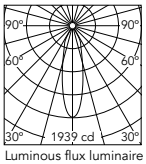
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2924	0.33
2	731	0.66
3	325	0.99
4	183	1.33
5	117	1.66

Optic Medium 3000K

- 03.4184.B1
- 03.4184.GL
- 03.4184.74

26° MEDIUM



Luminous flux luminaire 691 lm (EXTREME CUT OFF)
@White (B1)

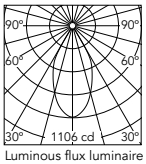
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1939	0.47
2	485	0.93
3	215	1.40
4	121	1.87
5	78	2.33

Optic Flood 3000K

- 03.4540.B1
- 03.4540.GL
- 03.4540.74

50° FLOOD



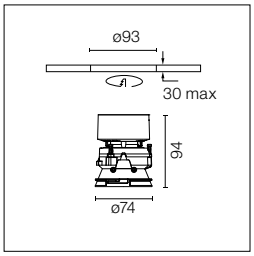
Luminous flux luminaire 716 lm (EXTREME CUT OFF)
@White (B1)

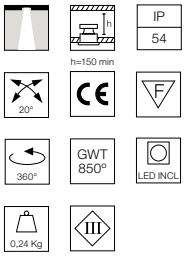
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1106	0.94
2	276	1.89
3	123	2.83
4	69	3.77
5	44	4.71

Kap Ø80 Plus - Adjustable

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

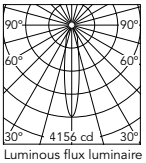
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7459.B1
- 05.7459.GL
- 05.7459.74

19° SPOT



Luminous flux luminaire 1040 lm (EXTREME CUT OFF)

@White (B1)

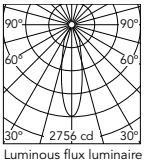
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4156	0.33
2	1039	0.66
3	462	0.99
4	260	1.33
5	166	1.66

Optic Medium 2700K

- 05.7415.B1
- 05.7415.GL
- 05.7415.74

26° MEDIUM



Luminous flux luminaire 982 lm (EXTREME CUT OFF)

@White (B1)

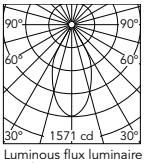
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2756	0.47
2	689	0.93
3	306	1.40
4	172	1.87
5	110	2.33

Optic Flood 2700K

- 05.7461.B1
- 05.7461.GL
- 05.7461.74

50° FLOOD



Luminous flux luminaire 1017 lm (EXTREME CUT OFF)

@White (B1)

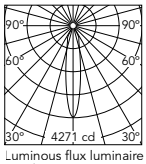
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1571	0.94
2	393	1.89
3	175	2.83
4	98	3.77
5	63	4.71

Optic Spot 3000K

- 05.7458.B1
- 05.7458.GL
- 05.7458.74

19° SPOT



Luminous flux luminaire 1069 lm (EXTREME CUT OFF)

@White (B1)

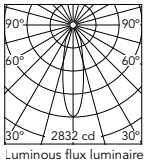
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4271	0.33
2	1068	0.66
3	475	0.99
4	267	1.33
5	171	1.66

Optic Medium 3000K

- 05.7414.B1
- 05.7414.GL
- 05.7414.74

26° MEDIUM



Luminous flux luminaire 1009 lm (EXTREME CUT OFF)

@White (B1)

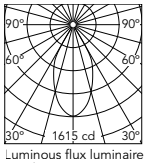
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2832	0.47
2	708	0.93
3	315	1.40
4	177	1.87
5	113	2.33

Optic Flood 3000K

- 05.7460.B1
- 05.7460.GL
- 05.7460.74

50° FLOOD



Luminous flux luminaire 1045 lm (EXTREME CUT OFF)

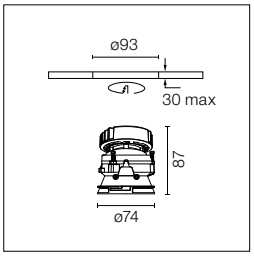
@White (B1)

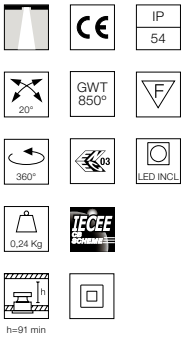
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1615	0.94
2	404	1.89
3	179	2.83
4	101	3.77
5	65	4.71

Kap Ø80 Adjustable - Dim To Warm

LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm



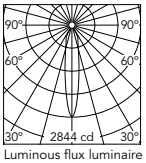


LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included. Pre-installation frame. To be ordered separately.

Optic Spot
1800K-2850K

- 03.4538.B1.LE
- 03.4538.GL.LE
- 03.4538.74.LE



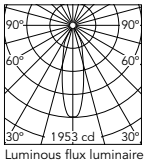
Luminous flux luminaire
716 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2844	0.31
2	711	0.63
3	316	0.94
4	178	1.25
5	114	1.56

Optic Medium
1800K-2850K

- 03.4184.B1.LE
- 03.4184.GL.LE
- 03.4184.74.LE



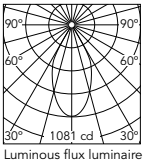
Luminous flux luminaire
722 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1953	0.48
2	488	0.97
3	217	1.45
4	122	1.94
5	78	2.42

Optic Flood
1800K-2850K

- 03.4540.B1.LE
- 03.4540.GL.LE
- 03.4540.74.LE



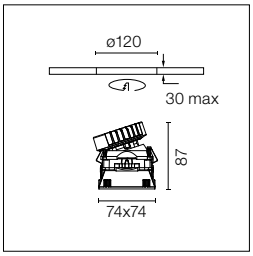
Luminous flux luminaire
707 lm [EXTREME CUT OFF]
@White (B1)

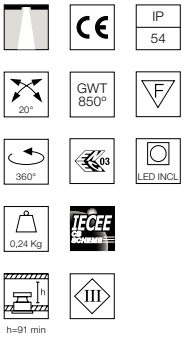
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1081	0.94
2	270	1.89
3	120	2.83
4	68	3.78
5	43	4.72

Kap 80 Square - Adjustable

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

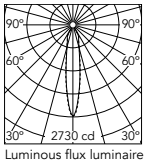
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4543.B1
- 03.4543.GL
- 03.4543.74

18° SPOT



Luminous flux luminaire
738 lm [EXTREME CUT OFF]
@White (B1)

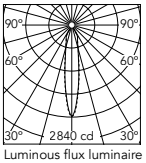
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2730	0.31
2	682	0.62
3	303	0.93
4	171	1.24
5	109	1.55

Optic Spot 3000K

- 03.4542.B1
- 03.4542.GL
- 03.4542.74

18° SPOT



Luminous flux luminaire
768 lm [EXTREME CUT OFF]
@White (B1)

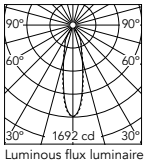
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2840	0.31
2	710	0.62
3	316	0.93
4	177	1.24
5	114	1.55

Optic Medium 2700K

- 03.4187.B1
- 03.4187.GL
- 03.4187.74

25° MEDIUM



Luminous flux luminaire
630 lm [EXTREME CUT OFF]
@White (B1)

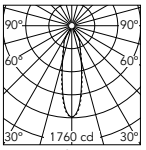
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1692	0.44
2	423	0.88
3	188	1.32
4	106	1.76
5	68	2.20

Optic Medium 3000K

- 03.4186.B1
- 03.4186.GL
- 03.4186.74

25° MEDIUM



Luminous flux luminaire
656 lm [EXTREME CUT OFF]
@White (B1)

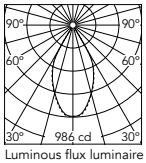
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1760	0.44
2	440	0.88
3	196	1.32
4	110	1.76
5	70	2.20

Optic Flood 2700K

- 03.4545.B1
- 03.4545.GL
- 03.4545.74

53° FLOOD



Luminous flux luminaire
722 lm [EXTREME CUT OFF]
@White (B1)

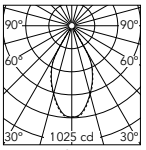
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	0.99
2	246	1.98
3	110	2.98
4	62	3.97
5	39	4.96

Optic Flood 3000K

- 03.4544.B1
- 03.4544.GL
- 03.4544.74

53° FLOOD



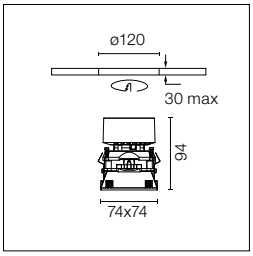
Luminous flux luminaire
751 lm [EXTREME CUT OFF]
@White (B1)

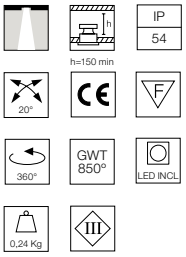
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1025	0.99
2	256	1.98
3	114	2.98
4	64	3.97
5	41	4.96

Kap 80 Plus Square - Adjustable

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

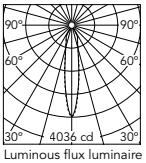
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7463.B1
- 05.7463.GL
- 05.7463.74

18° SPOT



Luminous flux luminaire 1092 lm (EXTREME CUT OFF)

@White (B1)

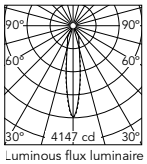
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4036	0.31
2	1009	0.62
3	448	0.93
4	252	1.24
5	161	1.55

Optic Spot 3000K

- 05.7462.B1
- 05.7462.GL
- 05.7462.74

18° SPOT



Luminous flux luminaire 1122 lm (EXTREME CUT OFF)

@White (B1)

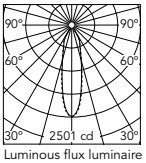
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4147	0.31
2	1037	0.62
3	461	0.93
4	259	1.24
5	166	1.55

Optic Medium 2700K

- 05.7417.B1
- 05.7417.GL
- 05.7417.74

25° MEDIUM



Luminous flux luminaire 932 lm (EXTREME CUT OFF)

@White (B1)

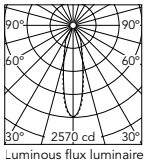
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2501	0.44
2	625	0.88
3	278	1.32
4	156	1.76
5	100	2.20

Optic Medium 3000K

- 05.7416.B1
- 05.7416.GL
- 05.7416.74

25° MEDIUM



Luminous flux luminaire 958 lm (EXTREME CUT OFF)

@White (B1)

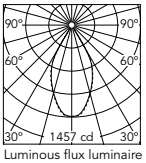
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2570	0.44
2	643	0.88
3	286	1.32
4	161	1.76
5	103	2.20

Optic Flood 2700K

- 05.7465.B1
- 05.7465.GL
- 05.7465.74

53° FLOOD



Luminous flux luminaire 1068 lm (EXTREME CUT OFF)

@White (B1)

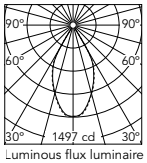
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1457	0.99
2	364	1.98
3	162	2.98
4	91	3.97
5	58	4.96

Optic Flood 3000K

- 05.7464.B1
- 05.7464.GL
- 05.7464.74

53° FLOOD



Luminous flux luminaire 1097 lm (EXTREME CUT OFF)

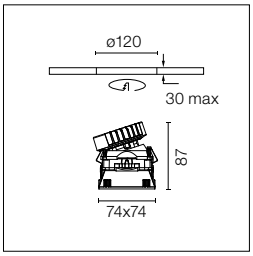
@White (B1)

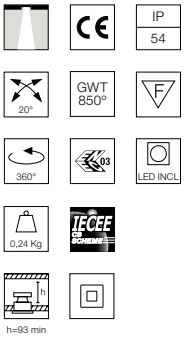
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1497	0.99
2	374	1.98
3	166	2.98
4	94	3.97
5	60	4.96

Kap 80 Square Adjustable - Dim To Warm

LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

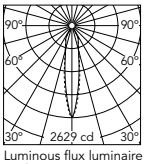




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included. Pre-installation frame. To be ordered separately.

Optic Spot
1800K-2850K
- 03.4542.B1.LE
- 03.4542.GL.LE
- 03.4542.74.LE

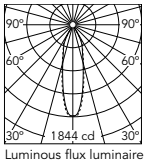


Luminous flux luminaire
754 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2629	0.31
2	657	0.63
3	292	0.94
4	164	1.26
5	105	1.57

Optic Medium
1800K-2850K
- 03.4186.B1.LE
- 03.4186.GL.LE
- 03.4186.74.LE

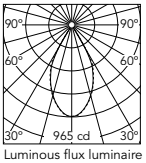


Luminous flux luminaire
752 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1844	0.47
2	461	0.94
3	205	1.41
4	115	1.88
5	74	2.35

Optic Flood
1800K-2850K
- 03.4544.B1.LE
- 03.4544.GL.LE
- 03.4544.74.LE



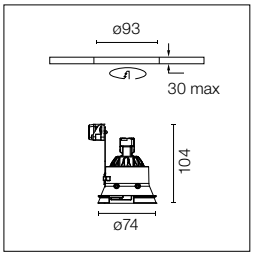
Luminous flux luminaire
732 lm [EXTREME CUT OFF]
@White (B1)

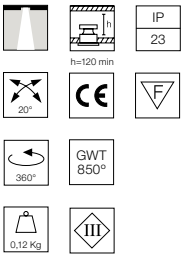
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	965	1.01
2	241	2.01
3	107	3.02
4	60	4.03
5	39	5.03

Kap Ø80 Adjustable

LED QR-CBC 51 GX5.3





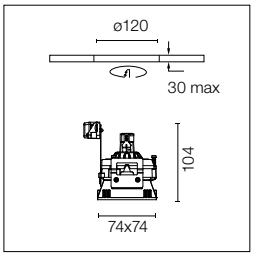
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

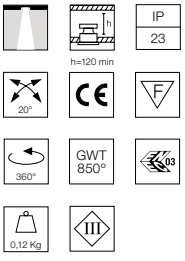
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4236.B1
- 03.4236.GL
- 03.4236.74

Kap 80 Square Adjustable

LED QR-CBC 51 GX5.3





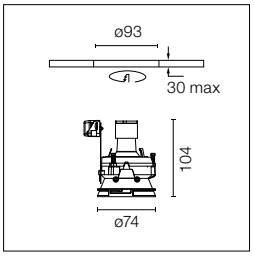
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

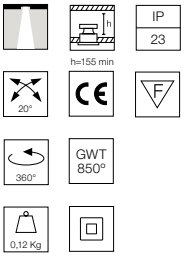
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4234.B1
- 03.4234.GL
- 03.4234.74

Kap Ø80 Adjustable

LED PAR 16 GZ10





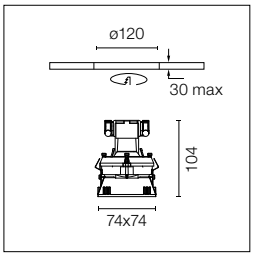
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

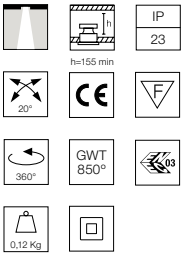
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4237.B1
- 03.4237.GL
- 03.4237.74

Kap 80 Square Adjustable

LED PAR 16 GZ10





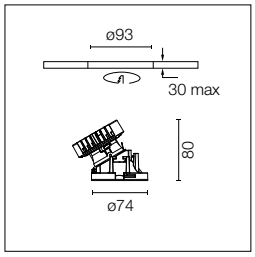
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

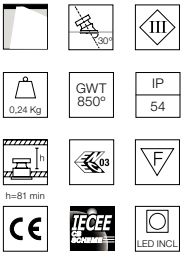
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4235.B1
- 03.4235.GL
- 03.4235.74

Kap Ø80 - Wall-Washer

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Elliptische linse enthalten. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

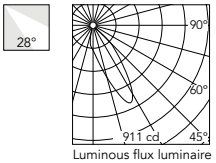
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 03.4189.B1
- 03.4189.GL
- 03.4189.74



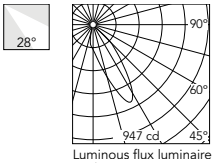
Luminous flux luminaire
598 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	911	0.62
2	228	1.24
3	101	1.87
4	57	2.49
5	36	3.11

3000K

- 03.4188.B1
- 03.4188.GL
- 03.4188.74



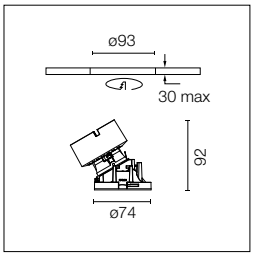
Luminous flux luminaire
622 lm [EXTREME CUT OFF]
@White (B1)

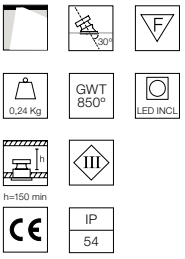
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	947	0.62
2	237	1.24
3	105	1.87
4	59	2.49
5	38	3.11

Kap Ø80 Plus - Wall-Washer

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Elliptische linse enthalten. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

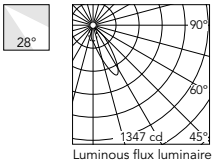
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 05.7421.B1
- 05.7421.GL
- 05.7421.74



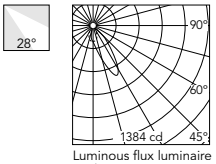
Luminous flux luminaire
884 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1347	0.62
2	337	1.24
3	150	1.87
4	84	2.49
5	54	3.11

3000K

- 05.7420.B1
- 05.7420.GL
- 05.7420.74



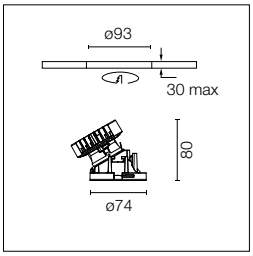
Luminous flux luminaire
908 lm [EXTREME CUT OFF]
@White (B1)

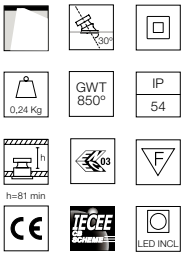
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1384	0.62
2	346	1.24
3	154	1.87
4	86	2.49
5	55	3.11

Kap Ø80 Wall-Washer - Dim To Warm

LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm



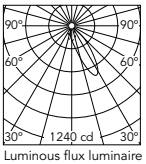


LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included. Pre-installation frame. To be ordered separately.

1800K-2850K

- 03.4188.B1.LE
- 03.4188.GL.LE
- 03.4188.74.LE



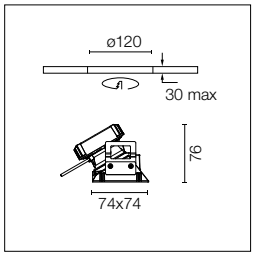
Luminous flux luminaire
770 lm [EXTREME CUT OFF]
@White (B1)

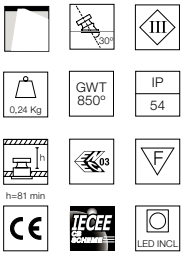
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1240	0.64
2	310	1.29
3	138	1.93
4	78	2.58
5	50	3.22

Kap 80 - Square Wall-Washer

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Elliptische linse enthalten. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

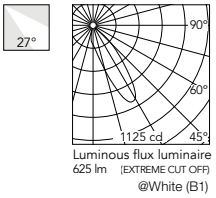
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 03.4191.B1
- 03.4191.GL
- 03.4191.74



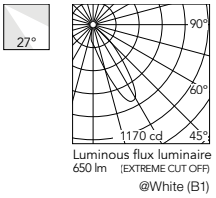
Luminous flux luminaire
625 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1125	0.62
2	281	1.24
3	125	1.85
4	70	2.47
5	45	3.09

3000K

- 03.4190.B1
- 03.4190.GL
- 03.4190.74



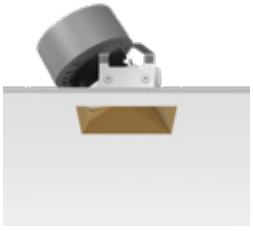
Luminous flux luminaire
650 lm (EXTREME CUT OFF)
@White (B1)

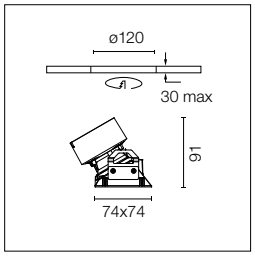
Beam Angle: 27°

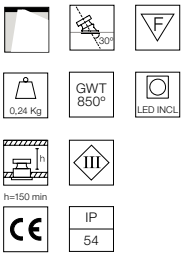
h(m)	E(lx)	D(m)
1	1170	0.62
2	292	1.24
3	130	1.85
4	73	2.47
5	47	3.09

Kap 80 Plus - Square Wall-Washer

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







LED Einbauleuchte. Ohne Netzgerät. Elliptische linse enthalten. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

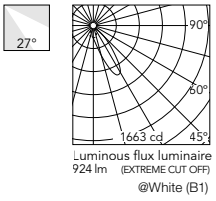
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 05.7423.B1
- 05.7423.GL
- 05.7423.74



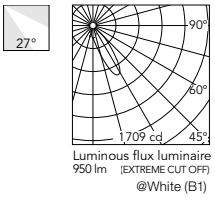
Luminous flux luminaire
924 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1663	0.62
2	416	1.24
3	185	1.85
4	104	2.47
5	67	3.09

3000K

- 05.7422.B1
- 05.7422.GL
- 05.7422.74



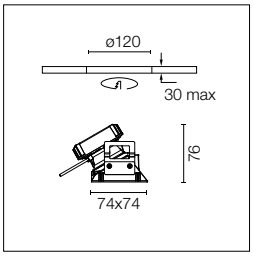
Luminous flux luminaire
950 lm (EXTREME CUT OFF)
@White (B1)

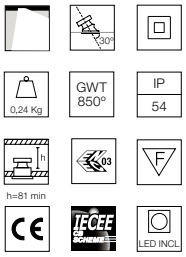
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1709	0.62
2	427	1.24
3	190	1.85
4	107	2.47
5	68	3.09

Kap 80 Square Wall-Washer - Dim To Warm

LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm



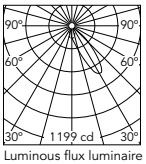


LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Diffusorlinse inbegriffen. Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included. Pre-installation frame. To be ordered separately.

1800K-2850K

- 03.4190.B1.LE
- 03.4190.GL.LE
- 03.4190.74.LE



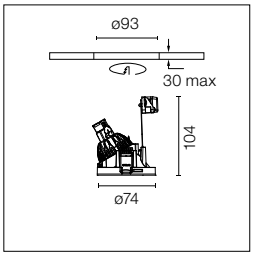
Luminous flux luminaire
723 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1199	0.68
2	300	1.37
3	133	2.05
4	75	2.74
5	48	3.42

Kap Ø80 Wall-Washer

LED QR-CBC 51 GX5.3



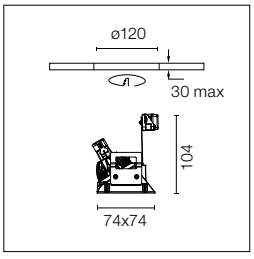
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4244.B1
- 03.4244.GL
- 03.4244.74

Kap 80 Square Wall-Washer

LED QR-CBC 51 GX5.3



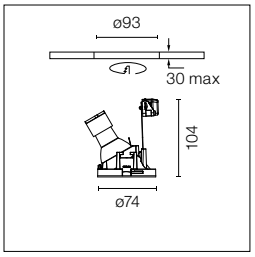
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4242.B1
- 03.4242.GL
- 03.4242.74

Kap Ø80 Wall-Washer

LED PAR 16 GZ10



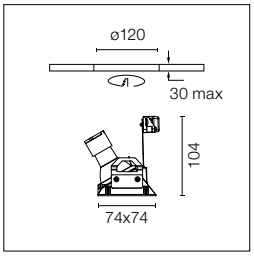
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

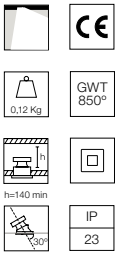
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4245.B1
- 03.4245.GL
- 03.4245.74

Kap 80 Square Wall-Washer

LED PAR 16 GZ10





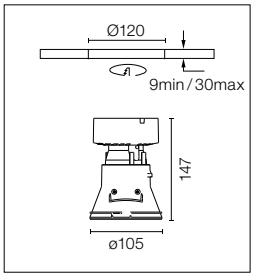
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

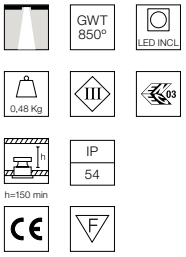
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 03.4243.B1
- 03.4243.GL
- 03.4243.74

Kap Ø105 Fixed

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90





LED Einbauleuchte. Transformator nicht inbegriffen.
Diffusorlinse inbegriffen.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

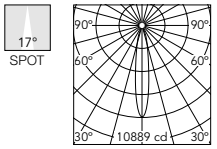
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7100.B1
- 05.7100.GL
- 05.7100.74



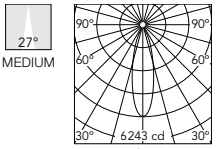
Luminous flux luminaire
1715 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Medium 2700K

- 05.7101.B1
- 05.7101.GL
- 05.7101.74



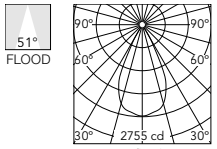
Luminous flux luminaire
1675 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Flood 2700K

- 05.7102.B1
- 05.7102.GL
- 05.7102.74



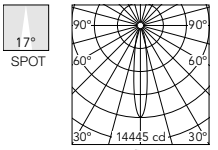
Luminous flux luminaire
1815 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Spot 3000K

- 05.7105.B1
- 05.7105.GL
- 05.7105.74



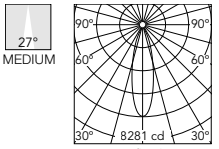
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 3000K

- 05.7106.B1
- 05.7106.GL
- 05.7106.74



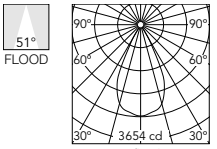
Luminous flux luminaire
2222 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 3000K

- 05.7107.B1
- 05.7107.GL
- 05.7107.74



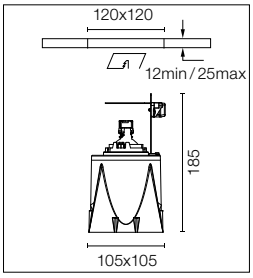
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)
@White (B1)

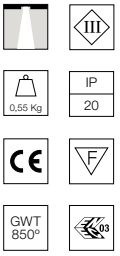
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Kap 105 Square

LED QR-CBC 51 GX5.3





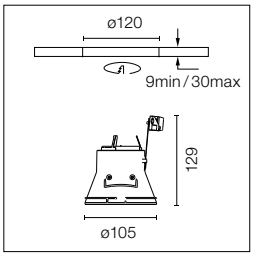
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

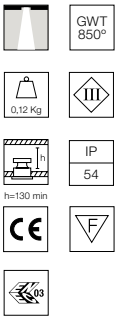
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

03.4572.B1
03.4572.GL
03.4572.74

Kap Ø105 Fixed

LED QR-CBC 51 GX5.3





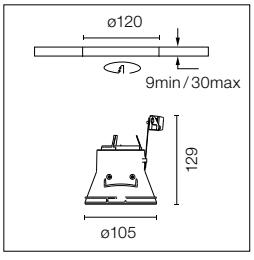
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

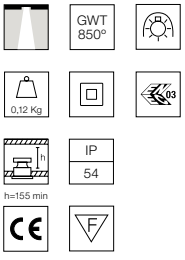
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

05.7130.B1
05.7130.GL
05.7130.74

Kap Ø105 Fixed

LED PAR 16 GZ10





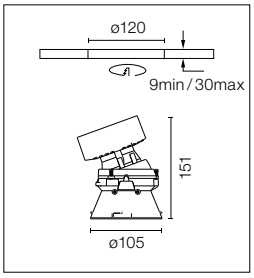
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

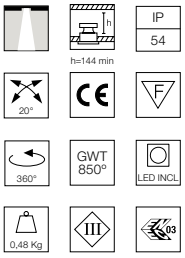
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

05.7131.B1
05.7131.GL
05.7131.74

Kap Ø105 Adjustable

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90





LED Einbauleuchte. Transformator nicht inbegriffen.
Diffusorlinse inbegriffen.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

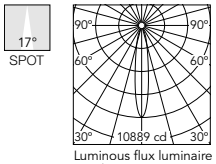
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7110.B1
- 05.7110.GL
- 05.7110.74



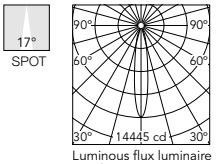
Luminous flux luminaire 1715 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Spot 3000K

- 05.7115.B1
- 05.7115.GL
- 05.7115.74



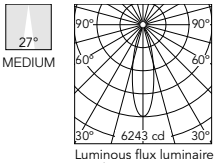
Luminous flux luminaire 2275 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 2700K

- 05.7111.B1
- 05.7111.GL
- 05.7111.74



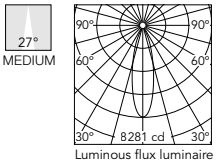
Luminous flux luminaire 1675 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Medium 3000K

- 05.7116.B1
- 05.7116.GL
- 05.7116.74



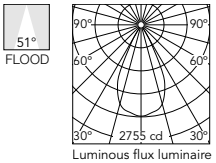
Luminous flux luminaire 2222 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 2700K

- 05.7112.B1
- 05.7112.GL
- 05.7112.74



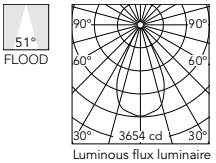
Luminous flux luminaire 1815 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Flood 3000K

- 05.7117.B1
- 05.7117.GL
- 05.7117.74



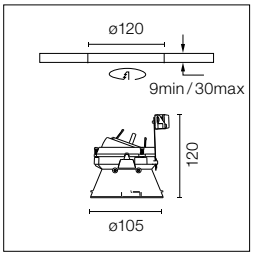
Luminous flux luminaire 2407 lm (EXTREME CUT OFF) @White (B1)

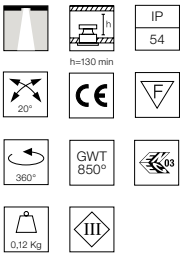
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Kap Ø105 Adjustable

LED QR-CBC 51 GX5.3





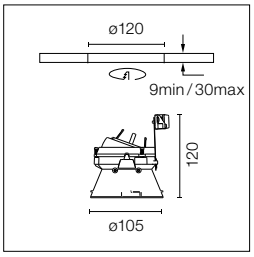
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

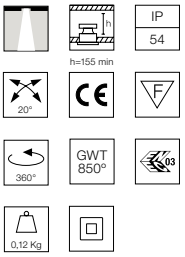
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 05.7135.B1
- 05.7135.GL
- 05.7135.74

Kap Ø105 Adjustable

LED PAR 16 GZ10





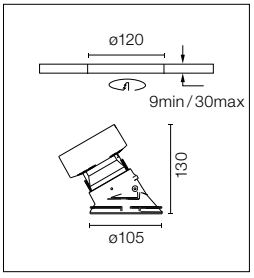
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 05.7136.B1
- 05.7136.GL
- 05.7136.74

Kap Ø105 Wall-Washer

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



GWT 850°
LED INCL.
0,48 Kg
III
03
h
IP 54
h=134 min
CE
F

LED Einbauleuchte. Elektronischer Ferntransformator 220/240V nicht inbegriffen.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included.
Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

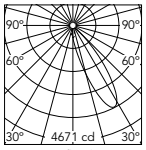
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 05.7120.B1
- 05.7120.GL
- 05.7120.74

26°
MEDIUM



Luminous flux luminaire
1621 lm (EXTREME CUT OFF)
@White (B1)

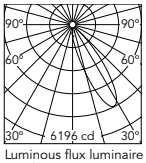
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4671	0.58
2	1168	1.15
3	519	1.73
4	292	2.31
5	187	2.89

3000K

- 05.7121.B1
- 05.7121.GL
- 05.7121.74

26°
MEDIUM



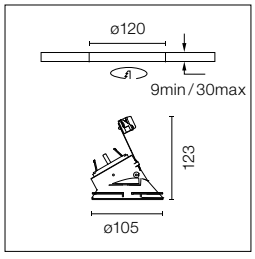
Luminous flux luminaire
2151 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6196	0.58
2	1549	1.15
3	688	1.73
4	387	2.31
5	248	2.89

Kap Ø105 Wall-Washer

LED QR-CBC 51 GX5.3



GWT 850°
0,12 Kg
III
h
IP 54
h=130 min
CE
F
03

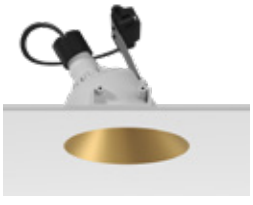
Einbauleuchte für 12V LEDlampe. Separater Transformator nicht inbegriffen.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

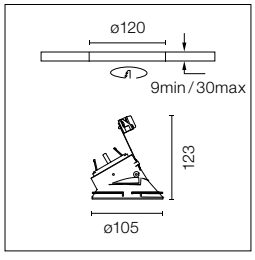
Recessed 12V LED lamp luminaire. Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 05.7140.B1
- 05.7140.GL
- 05.7140.74

Kap Ø105 Wall-Washer

LED PAR 16 GZ10





GWT 850°
0,12 Kg
h
IP 54
h=155 min
CE
F
03

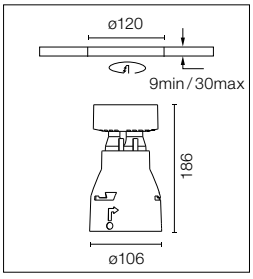
Einbauleuchte für Netzspannung.
Objektivzubehör nicht erhältlich.
Vorinstallationsrahmen. Muss separat bestellt werden.

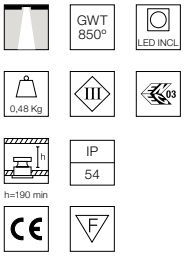
Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

- 05.7141.B1
- 05.7141.GL
- 05.7141.74

Kap Ø105 Deep

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90





LED Einbauleuchte. Elektronischer Ferntransformator 220/240V nicht inbegriffen.
Vorinstallationsrahmen. Muss separat bestellt werden.

Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included.
Pre-installation frame. To be ordered separately.

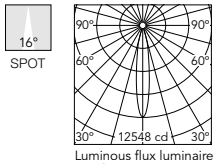
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7150.B1
- 05.7150.GL
- 05.7150.74

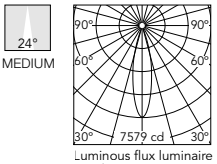


Luminous flux luminaire
1602 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	12548	0.29
2	3137	0.57
3	1394	0.86
4	784	1.14
5	502	1.43

Optic Medium 2700K

- 05.7151.B1
- 05.7151.GL
- 05.7151.74

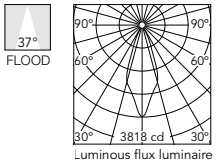


Luminous flux luminaire
1537 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	7579	0.42
2	1895	0.84
3	842	1.26
4	474	1.69
5	303	2.11

Optic Flood 2700K

- 05.7152.B1
- 05.7152.GL
- 05.7152.74

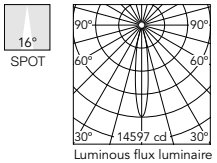


Luminous flux luminaire
1581 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	3818	0.68
2	954	1.36
3	424	2.03
4	239	2.71
5	153	3.39

Optic Spot 3000K

- 05.7155.B1
- 05.7155.GL
- 05.7155.74

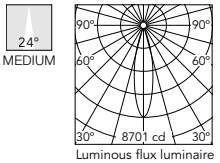


Luminous flux luminaire
1836 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	14597	0.28
2	3649	0.56
3	1622	0.84
4	912	1.13
5	584	1.41

Optic Medium 3000K

- 05.7156.B1
- 05.7156.GL
- 05.7156.74

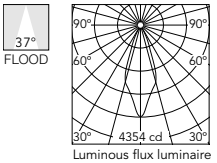


Luminous flux luminaire
1759 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	8701	0.42
2	2175	0.84
3	967	1.26
4	544	1.68
5	348	2.10

Optic Flood 3000K

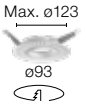
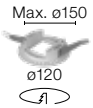
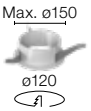
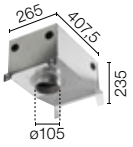
- 05.7157.B1
- 05.7157.GL
- 05.7157.74



Luminous flux luminaire
1795 lm (EXTREME CUT OFF)
@White (B1)

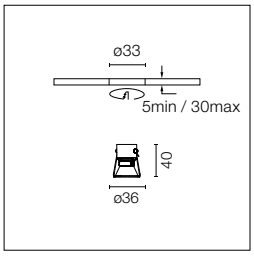
Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	4354	0.68
2	1089	1.35
3	484	2.03
4	272	2.71
5	174	3.38

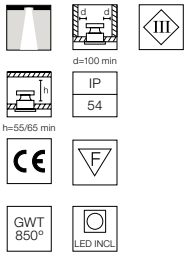
Zubehör / Accessories

Vorinstallationsrahmen No Trim. Kap ø50.	Installation frame No Trim. Kap ø50.		Kap ø50 Round ☐ 08.9114.00
Vorinstallationsrahmen No Trim. Kap ø80/ø80 Plus.	Installation frame No Trim. Kap ø80/ø80 Plus.		Kap ø80 Round ☐ 08.9102.00
Installationsrahmen No Trim. Kap 80 Square/80 Plus Square.	Installation frame No Trim. Kap 80 Square/80 Plus Square.		Kap 80 Square ☐ 08.9103.00
Installationsrahmen No Trim. Kap ø105 Deep.	Installation frame No Trim. Kap ø105 Deep.		Kap ø105 Deep ☐ 08.9104.00
Installationsrahmen No Trim. Kap ø105.	Installation frame No Trim. Kap ø105.		Kap ø105 ☐ 08.0132.00
Vorinstallationsrahmen No Trim. Kap 105 Square.	Installation frame No Trim. Kap 105 Square.		Kap 105 Square ☐ 08.8479.00
Installationshülse für Konkret der Ausführung. Kap ø105 Deep.	Installation can for concrete. Kap ø105 Deep.		Kap ø105 Deep ☐ 08.8420.00

Easy Kap Ø30 Fixed

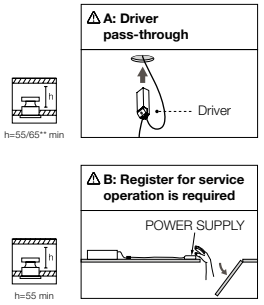
Power LED DC 900 mA - 3W - 222 lm - 2700K/CRI 90 / 3W - 229 lm - 3000K/CRI 95
Driver pass-through. Power LED DC 700 mA - 3,2W - 174 lm - 2700K/CRI 90 / 3,2W - 199 lm - 3000K/CRI 95





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.



Empfohlene Netzgeräte / Recommended power supply*:

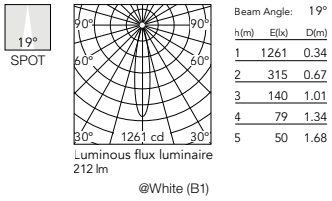
		Serial Con.	⚠
Non Dimmable 220-240V 700mA	60.9988	1	A
Non Dimmable 220-240V 900mA	60.9958	1 - 11	B
Dali 2 220-240V 900mA	60.9602	1 - 5	B
Dali 2 220-240V 900mA	60.9957	3 - 11	B
1-10V 220-240V 900mA	60.9414	1 - 5	B
1-10V 110-127 / 220-240 900mA	60.9208	2 - 5	B
Casambi 220-240V 900mA	06.1974.00	1 - 5	B
Mains Dimming 220-240V 900mA	60.9467	2 - 7	B
Mains Dimming 220-240V 900mA	60.9692	4 - 9	B

* Siehe Treiberkapitel / Refer to the Drivers chapter

** Mindesteinbauhöhe 65 mm nur für 30 mm Deckenstärke /
Minimum embedding height 65mm only for 30mm ceiling thickness

Optic Spot
2700K

Set of 1 spot
- 05.7600.B1A
- 05.7600.GLA
- 05.7600.74A



Luminous flux luminaire
212 lm

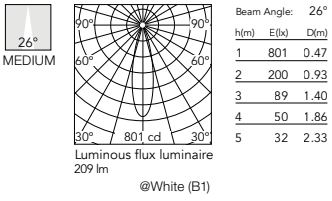
@White (B1)

Beam Angle:		19°
h(m)	E(lx)	D(m)
1	1261	0.34
2	315	0.67
3	140	1.01
4	79	1.34
5	50	1.68

Set of 4 spots
- 05.7620.B1A
- 05.7620.GLA
- 05.7620.74A

Optic Medium
2700K

Set of 1 spot
- 05.7601.B1A
- 05.7601.GLA
- 05.7601.74A



Luminous flux luminaire
209 lm

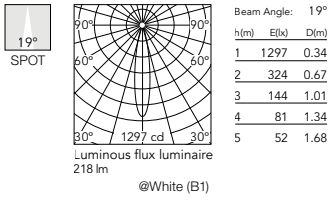
@White (B1)

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	801	0.47
2	200	0.93
3	89	1.40
4	50	1.86
5	32	2.33

Set of 4 spots
- 05.7621.B1A
- 05.7621.GLA
- 05.7621.74A

3000K

Set of 1 spot
- 05.7605.B1A
- 05.7605.GLA
- 05.7605.74A



Luminous flux luminaire
218 lm

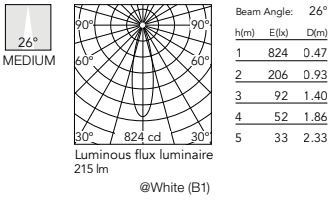
@White (B1)

Beam Angle:		19°
h(m)	E(lx)	D(m)
1	1297	0.34
2	324	0.67
3	144	1.01
4	81	1.34
5	52	1.68

Set of 4 spots
- 05.7625.B1A
- 05.7625.GLA
- 05.7625.74A

3000K

Set of 1 spot
- 05.7606.B1A
- 05.7606.GLA
- 05.7606.74A



Luminous flux luminaire
215 lm

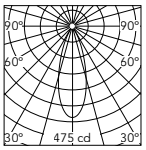
@White (B1)

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	824	0.47
2	206	0.93
3	92	1.40
4	52	1.86
5	33	2.33

Set of 4 spots
- 05.7626.B1A
- 05.7626.GLA
- 05.7626.74A

Optic Flood
2700K

Set of 1 spot
05.7602.B1A
05.7602.GLA
05.7602.74A



Luminous flux luminaire
197 lm

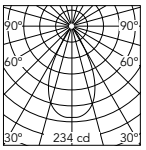
@White (B1)

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	475	0.62
2	119	1.23
3	53	1.85
4	30	2.47
5	19	3.09

Set of 4 spots
05.7622.B1A
05.7622.GLA
05.7622.74A

Optic Wide Flood
2700K

Set of 1 spot
05.7603.B1A
05.7603.GLA
05.7603.74A



Luminous flux luminaire
179 lm

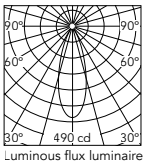
@White (B1)

Beam Angle:		53°
h(m)	E(lx)	D(m)
1	234	1.00
2	59	2.00
3	26	3.01
4	15	4.01
5	9	5.01

Set of 4 spots
05.7623.B1A
05.7623.GLA
05.7623.74A

3000K

Set of 1 spot
05.7607.B1A
05.7607.GLA
05.7607.74A



Luminous flux luminaire
203 lm

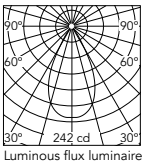
@White (B1)

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	490	0.62
2	122	1.23
3	54	1.85
4	31	2.47
5	20	3.09

Set of 4 spots
05.7627.B1A
05.7627.GLA
05.7627.74A

3000K

Set of 1 spot
05.7608.B1A
05.7608.GLA
05.7608.74A



Luminous flux luminaire
185 lm

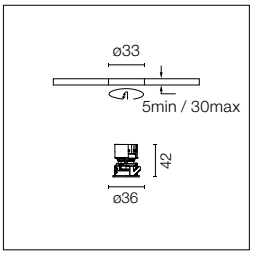
@White (B1)

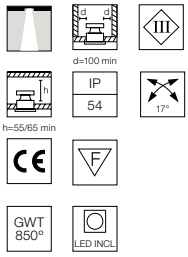
Beam Angle:		53°
h(m)	E(lx)	D(m)
1	242	1.00
2	60	2.00
3	27	3.01
4	15	4.01
5	10	5.01

Set of 4 spots
05.7628.B1A
05.7628.GLA
05.7628.74A

Easy Kap Ø30 Adjustable

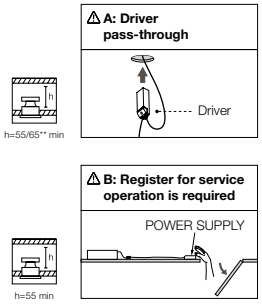
Power LED DC 900 mA - 3W - 222 lm - 2700K/CRI 90 / 3W - 229 lm - 3000K/CRI 95
Driver pass-through. Power LED DC 700 mA - 3,2W - 174 lm - 2700K/CRI 90 / 3,2W - 199 lm - 3000K/CRI 95





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.



Empfohlene Netzgeräte / Recommended power supply*:

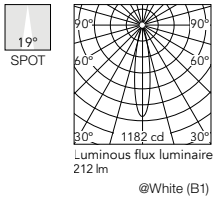
		Serial Con.	⚠
Non Dimmable 220-240V 700mA	60.9988	1	A
Non Dimmable 220-240V 900mA	60.9958	1 - 11	B
Dali 2 220-240V 900mA	60.9602	1 - 5	B
Dali 2 220-240V 900mA	60.9957	3 - 11	B
1-10V 220-240V 900mA	60.9414	1 - 5	B
1-10V 110-127 / 220-240 900mA	60.9208	2 - 5	B
Casambi 220-240V 900mA	06.1974.00	1 - 5	B
Mains Dimming 220-240V 900mA	60.9467	2 - 7	B
Mains Dimming 220-240V 900mA	60.9692	4 - 9	B

* Siehe Treiberkapitel / Refer to the Drivers chapter

** Mindesteinbauhöhe 65 mm nur für 30 mm Deckenstärke /
Minimum embedding height 65mm only for 30mm ceiling thickness

Optic Spot 2700K

Set of 1 spot
- 05.7610.B1A
- 05.7610.GLA
- 05.7610.74A



Luminous flux luminaire 212 lm

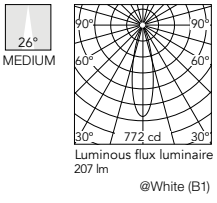
@White (B1)

Beam Angle:	19°
h(m)	E(lx) D(m)
1	1182 0.34
2	296 0.68
3	131 1.02
4	74 1.36
5	47 1.70

Set of 4 spots
- 05.7630.B1A
- 05.7630.GLA
- 05.7630.74A

Optic Medium 2700K

Set of 1 spot
- 05.7611.B1A
- 05.7611.GLA
- 05.7611.74A



Luminous flux luminaire 207 lm

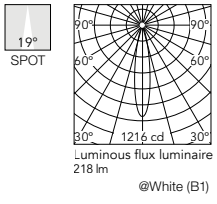
@White (B1)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	772 0.47
2	193 0.94
3	86 1.40
4	48 1.87
5	31 2.34

Set of 4 spots
- 05.7631.B1A
- 05.7631.GLA
- 05.7631.74A

3000K

Set of 1 spot
- 05.7615.B1A
- 05.7615.GLA
- 05.7615.74A



Luminous flux luminaire 218 lm

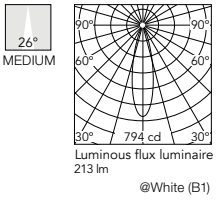
@White (B1)

Beam Angle:	19°
h(m)	E(lx) D(m)
1	1216 0.34
2	304 0.68
3	135 1.02
4	76 1.36
5	49 1.70

Set of 4 spots
- 05.7635.B1A
- 05.7635.GLA
- 05.7635.74A

3000K

Set of 1 spot
- 05.7616.B1A
- 05.7616.GLA
- 05.7616.74A



Luminous flux luminaire 213 lm

@White (B1)

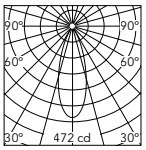
Beam Angle:	26°
h(m)	E(lx) D(m)
1	794 0.47
2	199 0.94
3	88 1.40
4	50 1.87
5	32 2.34

Set of 4 spots
- 05.7636.B1A
- 05.7636.GLA
- 05.7636.74A

Optic Flood
2700K

Set of 1 spot

05.7612.B1A
05.7612.GLA
05.7612.74A



Luminous flux luminaire
197 lm

@White (B1)

Beam Angle:		35°
h(m)	E(lx)	D(m)
1	472	0.62
2	118	1.24
3	52	1.87
4	29	2.49
5	19	3.11

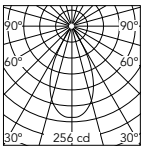
Set of 4 spots

05.7632.B1A
05.7632.GLA
05.7632.74A

Optic Wide Flood
2700K

Set of 1 spot

05.7613.B1A
05.7613.GLA
05.7613.74A



Luminous flux luminaire
182 lm

@White (B1)

Beam Angle:		51°
h(m)	E(lx)	D(m)
1	256	0.96
2	64	1.91
3	28	2.87
4	16	3.82
5	10	4.78

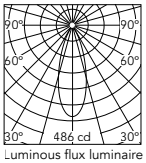
Set of 4 spots

05.7633.B1A
05.7633.GLA
05.7633.74A

3000K

Set of 1 spot

05.7617.B1A
05.7617.GLA
05.7617.74A



Luminous flux luminaire
203 lm

@White (B1)

Beam Angle:		35°
h(m)	E(lx)	D(m)
1	486	0.62
2	121	1.24
3	54	1.87
4	30	2.49
5	19	3.11

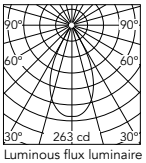
Set of 4 spots

05.7637.B1A
05.7637.GLA
05.7637.74A

3000K

Set of 1 spot

05.7618.B1A
05.7618.GLA
05.7618.74A



Luminous flux luminaire
187 lm

@White (B1)

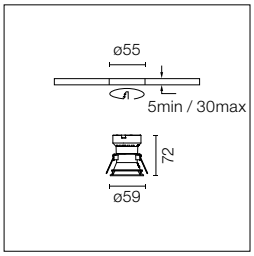
Beam Angle:		51°
h(m)	E(lx)	D(m)
1	263	0.96
2	66	1.91
3	29	2.87
4	16	3.82
5	11	4.78

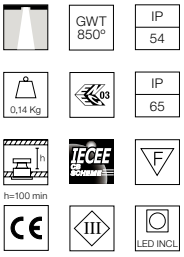
Set of 4 spots

05.7638.B1A
05.7638.GLA
05.7638.74A

Easy Kap Ø50 Fixed

LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

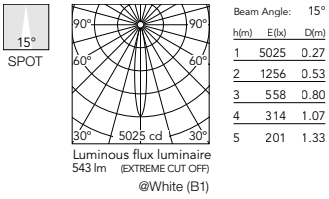
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7200.B1
- 05.7200.GL
- 05.7200.74

Optic Spot 2700K - IP65

- 05.7220.B1
- 05.7220.GL
- 05.7220.74



Luminous flux luminaire 543 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle: 15°

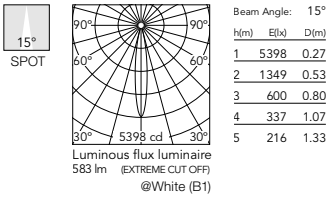
h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Spot 3000K

- 05.7205.B1
- 05.7205.GL
- 05.7205.74

Optic Spot 3000K - IP65

- 05.7226.B1
- 05.7226.GL
- 05.7226.74



Luminous flux luminaire 583 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle: 15°

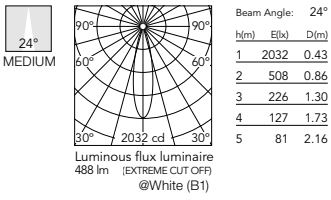
h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 2700K

- 05.7201.B1
- 05.7201.GL
- 05.7201.74

Optic Medium 2700K - IP65

- 05.7223.B1
- 05.7223.GL
- 05.7223.74



Luminous flux luminaire 488 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle: 24°

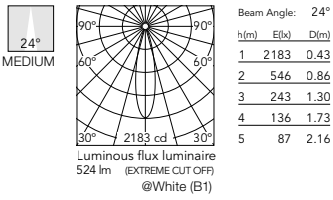
h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Medium 3000K

- 05.7206.B1
- 05.7206.GL
- 05.7206.74

Optic Medium 3000K - IP65

- 05.7225.B1
- 05.7225.GL
- 05.7225.74



Luminous flux luminaire 524 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle: 24°

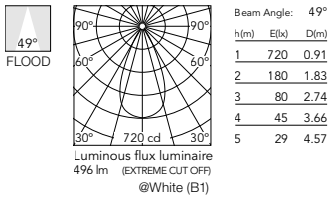
h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 2700K

- 05.7202.B1
- 05.7202.GL
- 05.7202.74

Optic Flood 2700K - IP65

- 05.7224.B1
- 05.7224.GL
- 05.7224.74



Luminous flux luminaire 496 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle: 49°

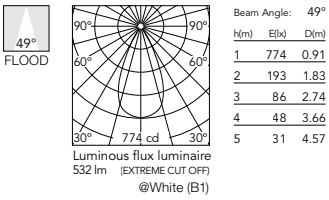
h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Flood 3000K

- 05.7207.B1
- 05.7207.GL
- 05.7207.74

Optic Flood 3000K - IP65

- 05.7222.B1
- 05.7222.GL
- 05.7222.74



Luminous flux luminaire 532 lm (EXTREME CUT OFF)

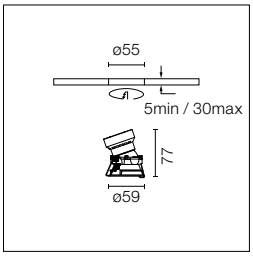
@White (B1)

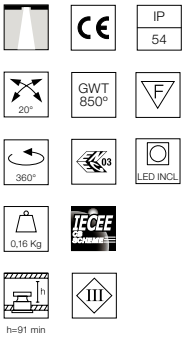
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Easy Kap Ø50 Adjustable

LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Empfohlene Netzgeräte / Recommended power supply*:

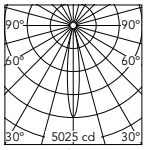
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7210.B1
- 05.7210.GL
- 05.7210.74

15° SPOT



Luminous flux luminaire
543 lm (EXTREME CUT OFF)
@White (B1)

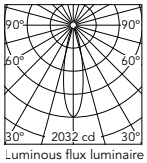
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7211.B1
- 05.7211.GL
- 05.7211.74

24° MEDIUM



Luminous flux luminaire
488 lm (EXTREME CUT OFF)
@White (B1)

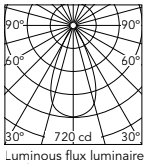
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7212.B1
- 05.7212.GL
- 05.7212.74

49° FLOOD



Luminous flux luminaire
496 lm (EXTREME CUT OFF)
@White (B1)

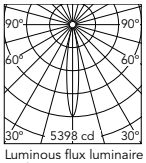
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7215.B1
- 05.7215.GL
- 05.7215.74

15° SPOT



Luminous flux luminaire
583 lm (EXTREME CUT OFF)
@White (B1)

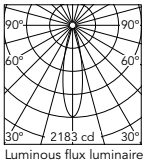
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7216.B1
- 05.7216.GL
- 05.7216.74

24° MEDIUM



Luminous flux luminaire
524 lm (EXTREME CUT OFF)
@White (B1)

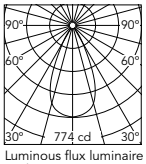
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7217.B1
- 05.7217.GL
- 05.7217.74

49° FLOOD



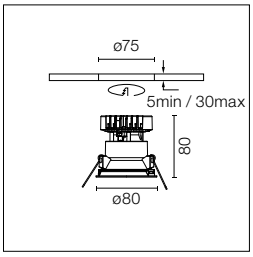
Luminous flux luminaire
532 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Easy Kap Ø80 - Fixed

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90



GWT 850°

IP 54

0,24 Kg

IP 65

h=91 min

LED INCL.

LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

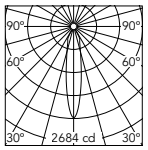
Optic Spot 2700K

- 03.4288.B1
- 03.4288.GL
- 03.4288.74

Optic Spot 2700K - IP65

- 05.7700.B1
- 05.7700.GL
- 05.7700.74

19° SPOT



Luminous flux luminaire 710 lm (EXTREME CUT OFF) @White (B1)

Beam Angle:	19°

h(m)	E(lx)	D(m)
1	2684	0.34
2	671	0.68
3	298	1.02
4	168	1.36
5	107	1.70

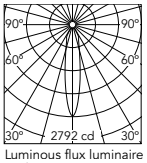
Optic Spot 3000K

- 03.4287.B1
- 03.4287.GL
- 03.4287.74

Optic Spot 3000K - IP65

- 05.7705.B1
- 05.7705.GL
- 05.7705.74

19° SPOT



Luminous flux luminaire 739 lm (EXTREME CUT OFF) @White (B1)

Beam Angle:	19°

h(m)	E(lx)	D(m)
1	2792	0.34
2	698	0.68
3	310	1.02
4	175	1.36
5	112	1.70

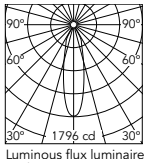
Optic Medium 2700K

- 03.4193.B1
- 03.4193.GL
- 03.4193.74

Optic Medium 2700K - IP65

- 05.7701.B1
- 05.7701.GL
- 05.7701.74

26° MEDIUM



Luminous flux luminaire 606 lm (EXTREME CUT OFF) @White (B1)

Beam Angle:	26°

h(m)	E(lx)	D(m)
1	1796	0.46
2	449	0.92
3	200	1.39
4	112	1.85
5	72	2.31

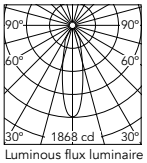
Optic Medium 3000K

- 03.4192.B1
- 03.4192.GL
- 03.4192.74

Optic Medium 3000K - IP65

- 05.7706.B1
- 05.7706.GL
- 05.7706.74

26° MEDIUM



Luminous flux luminaire 630 lm (EXTREME CUT OFF) @White (B1)

Beam Angle:	26°

h(m)	E(lx)	D(m)
1	1868	0.46
2	467	0.92
3	208	1.39
4	117	1.85
5	75	2.31

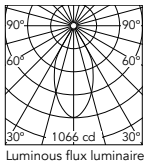
Optic Flood 2700K

- 03.4298.B1
- 03.4298.GL
- 03.4298.74

Optic Flood 2700K - IP65

- 05.7702.B1
- 05.7702.GL
- 05.7702.74

50° FLOOD



Luminous flux luminaire 688 lm (EXTREME CUT OFF) @White (B1)

Beam Angle:	50°

h(m)	E(lx)	D(m)
1	1066	0.93
2	266	1.86
3	118	2.79
4	67	3.72
5	43	4.65

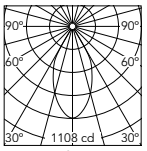
Optic Flood 3000K

- 03.4297.B1
- 03.4297.GL
- 03.4297.74

Optic Flood 3000K - IP65

- 05.7707.B1
- 05.7707.GL
- 05.7707.74

50° FLOOD



Luminous flux luminaire 715 lm (EXTREME CUT OFF) @White (B1)

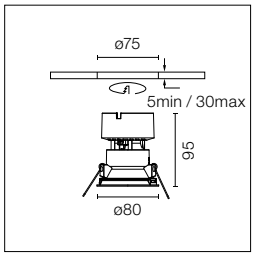
Beam Angle:	50°

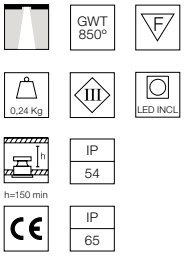
h(m)	E(lx)	D(m)
1	1108	0.93
2	277	1.86
3	123	2.79
4	69	3.72
5	44	4.65

NEW

Easy Kap Ø80 Plus - Fixed

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

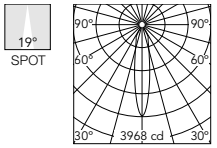
* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7441.B1
- 05.7441.GL
- 05.7441.74

Optic Spot 2700K - IP65

- 05.7710.B1
- 05.7710.GL
- 05.7710.74



Luminous flux luminaire
1050 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°

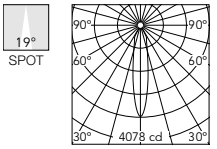
h(m)	E(lx)	D(m)
1	3968	0.34
2	992	0.68
3	441	1.02
4	248	1.36
5	159	1.70

Optic Spot 3000K

- 05.7440.B1
- 05.7440.GL
- 05.7440.74

Optic Spot 3000K - IP65

- 05.7715.B1
- 05.7715.GL
- 05.7715.74



Luminous flux luminaire
1079 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°

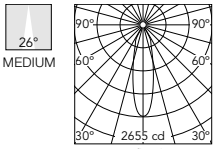
h(m)	E(lx)	D(m)
1	4078	0.34
2	1019	0.68
3	453	1.02
4	255	1.36
5	163	1.70

Optic Medium 2700K

- 05.7431.B1
- 05.7431.GL
- 05.7431.74

Optic Medium 2700K - IP65

- 05.7711.B1
- 05.7711.GL
- 05.7711.74



Luminous flux luminaire
896 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

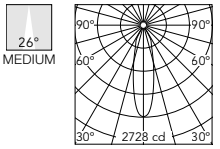
h(m)	E(lx)	D(m)
1	2655	0.46
2	664	0.92
3	295	1.39
4	166	1.85
5	106	2.31

Optic Medium 3000K

- 05.7430.B1
- 05.7430.GL
- 05.7430.74

Optic Medium 3000K - IP65

- 05.7716.B1
- 05.7716.GL
- 05.7716.74



Luminous flux luminaire
921 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

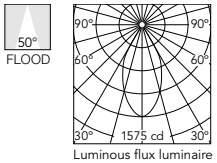
h(m)	E(lx)	D(m)
1	2728	0.46
2	682	0.92
3	303	1.39
4	170	1.85
5	109	2.31

Optic Flood 2700K

- 05.7447.B1
- 05.7447.GL
- 05.7447.74

Optic Flood 2700K - IP65

- 05.7712.B1
- 05.7712.GL
- 05.7712.74



Luminous flux luminaire
1017 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 50°

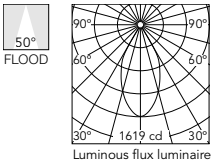
h(m)	E(lx)	D(m)
1	1575	0.93
2	394	1.86
3	175	2.79
4	98	3.72
5	63	4.65

Optic Flood 3000K

- 05.7446.B1
- 05.7446.GL
- 05.7446.74

Optic Flood 3000K - IP65

- 05.7717.B1
- 05.7717.GL
- 05.7717.74



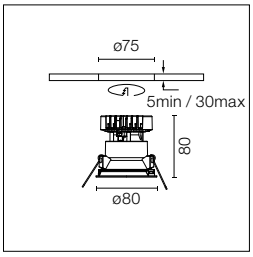
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@White (B1)

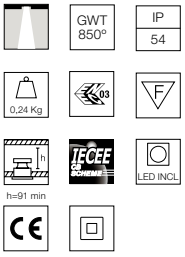
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1619	0.93
2	405	1.86
3	180	2.79
4	101	3.72
5	65	4.65

Easy Kap Ø80 Fixed - Dim To Warm

LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

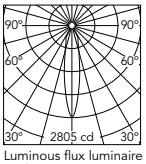




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Optic Spot
1800K-2850K
- 03.4287.B1.LE
- 03.4287.GL.LE
- 03.4287.74.LE

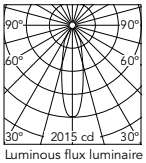


Luminous flux luminaire
740 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2805	0.35
2	701	0.69
3	312	1.04
4	175	1.39
5	112	1.74

Optic Medium
1800K-2850K
- 03.4192.B1.LE
- 03.4192.GL.LE
- 03.4192.74.LE

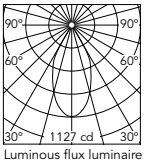


Luminous flux luminaire
735 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2015	0.49
2	504	0.98
3	224	1.46
4	126	1.95
5	81	2.44

Optic Flood
1800K-2850K
- 03.4297.B1.LE
- 03.4297.GL.LE
- 03.4297.74.LE



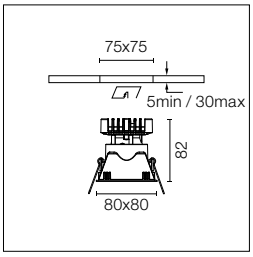
Luminous flux luminaire
729 lm [EXTREME CUT OFF]
@White (B1)

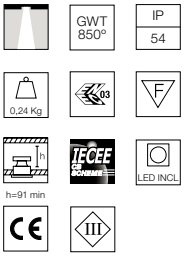
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1127	0.92
2	282	1.83
3	125	2.75
4	70	3.67
5	45	4.59

Easy Kap 80 Square - Fixed

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

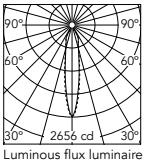
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4177.B1
- 03.4177.GL
- 03.4177.74

18° SPOT



Luminous flux luminaire 741 lm (EXTREME CUT OFF)

@White (B1)

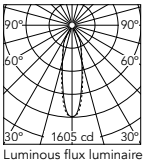
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2656	0.31
2	664	0.62
3	295	0.94
4	166	1.25
5	106	1.56

Optic Medium 2700K

- 03.4195.B1
- 03.4195.GL
- 03.4195.74

25° MEDIUM



Luminous flux luminaire 615 lm (EXTREME CUT OFF)

@White (B1)

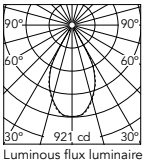
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1605	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

Optic Flood 2700K

- 03.4179.B1
- 03.4179.GL
- 03.4179.74

55° FLOOD



Luminous flux luminaire 723 lm (EXTREME CUT OFF)

@White (B1)

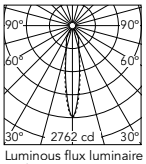
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	921	1.03
2	230	2.07
3	102	3.10
4	58	4.14
5	37	5.17

Optic Spot 3000K

- 03.4176.B1
- 03.4176.GL
- 03.4176.74

18° SPOT



Luminous flux luminaire 771 lm (EXTREME CUT OFF)

@White (B1)

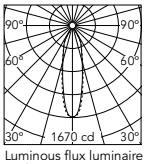
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2762	0.31
2	691	0.62
3	307	0.94
4	173	1.25
5	110	1.56

Optic Medium 3000K

- 03.4194.B1
- 03.4194.GL
- 03.4194.74

25° MEDIUM



Luminous flux luminaire 640 lm (EXTREME CUT OFF)

@White (B1)

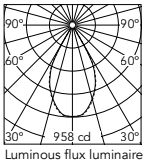
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1670	0.45
2	417	0.90
3	186	1.34
4	104	1.79
5	67	2.24

Optic Flood 3000K

- 03.4178.B1
- 03.4178.GL
- 03.4178.74

55° FLOOD



Luminous flux luminaire 752 lm (EXTREME CUT OFF)

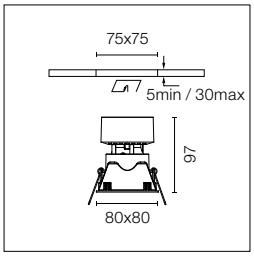
@White (B1)

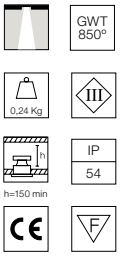
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	958	1.03
2	240	2.07
3	106	3.10
4	60	4.14
5	38	5.17

Easy Kap 80 Square Plus - Fixed

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

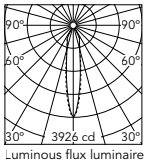
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7407.B1
- 05.7407.GL
- 05.7407.74

18° SPOT



Luminous flux luminaire 1096 lm (EXTREME CUT OFF)

@White (B1)

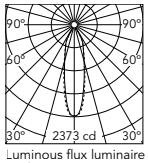
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3926	0.31
2	981	0.62
3	436	0.94
4	245	1.25
5	157	1.56

Optic Medium 2700K

- 05.7433.B1
- 05.7433.GL
- 05.7433.74

25° MEDIUM



Luminous flux luminaire 910 lm (EXTREME CUT OFF)

@White (B1)

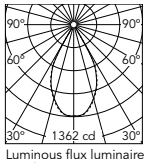
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2373	0.45
2	593	0.90
3	264	1.34
4	148	1.79
5	95	2.24

Optic Flood 2700K

- 05.7409.B1
- 05.7409.GL
- 05.7409.74

55° FLOOD



Luminous flux luminaire 1069 lm (EXTREME CUT OFF)

@White (B1)

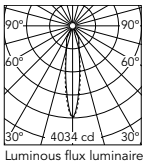
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1362	1.03
2	340	2.07
3	151	3.10
4	85	4.14
5	54	5.17

Optic Spot 3000K

- 05.7406.B1
- 05.7406.GL
- 05.7406.74

18° SPOT



Luminous flux luminaire 1126 lm (EXTREME CUT OFF)

@White (B1)

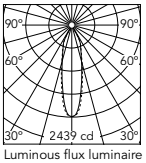
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4034	0.31
2	1009	0.62
3	448	0.94
4	252	1.25
5	161	1.56

Optic Medium 3000K

- 05.7432.B1
- 05.7432.GL
- 05.7432.74

25° MEDIUM



Luminous flux luminaire 935 lm (EXTREME CUT OFF)

@White (B1)

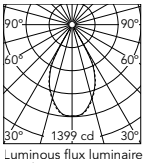
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2439	0.45
2	610	0.90
3	271	1.34
4	152	1.79
5	98	2.24

Optic Flood 3000K

- 05.7408.B1
- 05.7408.GL
- 05.7408.74

55° FLOOD



Luminous flux luminaire 1099 lm (EXTREME CUT OFF)

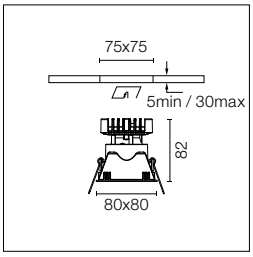
@White (B1)

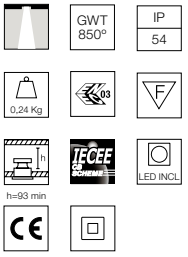
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1399	1.03
2	350	2.07
3	155	3.10
4	87	4.14
5	56	5.17

Easy Kap 80 Square Fixed - Dim To Warm

LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

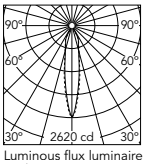




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Optic Spot
1800K-2850K
- 03.4176.B1.LE
- 03.4176.GL.LE
- 03.4176.74.LE

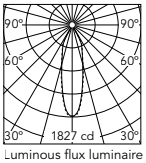


Luminous flux luminaire
753 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2620	0.32
2	655	0.64
3	291	0.96
4	164	1.28
5	105	1.60

Optic Medium
1800K-2850K
- 03.4194.B1.LE
- 03.4194.GL.LE
- 03.4194.74.LE

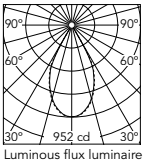


Luminous flux luminaire
750 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1827	0.48
2	457	0.96
3	203	1.45
4	114	1.93
5	73	2.41

Optic Flood
1800K-2850K
- 03.4178.B1.LE
- 03.4178.GL.LE
- 03.4178.74.LE



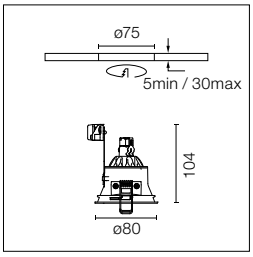
Luminous flux luminaire
736 lm (EXTREME CUT OFF)
@White (B1)

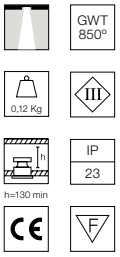
Beam Angle: 54°

h(m)	E(lx)	D(m)
1	952	1.02
2	238	2.04
3	106	3.06
4	59	4.08
5	38	5.10

Easy Kap Ø80 Fixed

LED QR-CBC 51 GX5.3





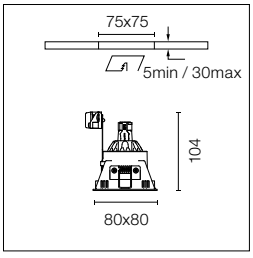
Einbauleuchte für 12V lampe. Separater Transformator nicht inbegriffen. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

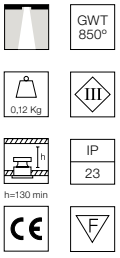
Recessed 12V lamp luminaire. Remote transformer not included. Installation frame not necessary. Not suitable for lens accessories.

03.4210.B1
03.4210.GL
03.4210.74

Easy Kap 80 Square Fixed

LED QR-CBC 51 GX5.3





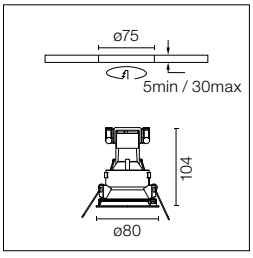
Einbauleuchte für 12V lampe. Separater Transformator nicht inbegriffen. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

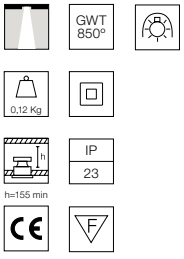
Recessed 12V lamp luminaire. Remote transformer not included. Installation frame not necessary. Not suitable for lens accessories.

03.4208.B1
03.4208.GL
03.4208.74

Easy Kap Ø80 Fixed

LED PAR 16 GZ10





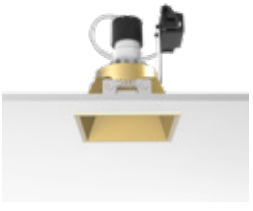
Einbauleuchte für Netzspannung. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

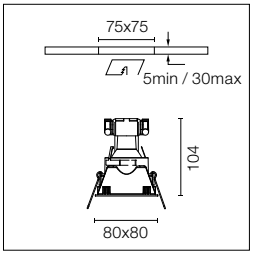
Recessed luminaire with main voltage source.Installation frame not necessary.
Not suitable for lens accessories.

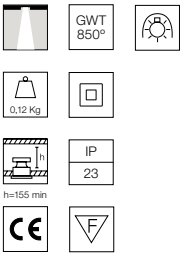
03.4211.B1
03.4211.GL
03.4211.74

Easy Kap 80 Square Fixed

LED PAR 16 GZ10







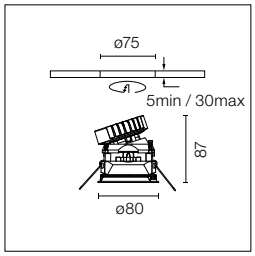
Einbauleuchte für Netzspannung. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

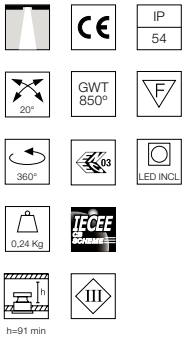
Recessed luminaire with main voltage source.Installation frame not necessary.
Not suitable for lens accessories.

03.4209.B1
03.4209.GL
03.4209.74

Easy Kap Ø80 - Adjustable

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

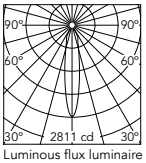
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4153.B1
- 03.4153.GL
- 03.4153.74

18° SPOT



Luminous flux luminaire
704 lm (EXTREME CUT OFF)
@White (B1)

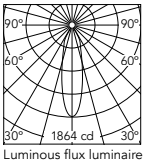
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2811	0.33
2	703	0.66
3	312	0.99
4	176	1.33
5	112	1.66

Optic Medium 2700K

- 03.4155.B1
- 03.4155.GL
- 03.4155.74

26° MEDIUM



Luminous flux luminaire
664 lm (EXTREME CUT OFF)
@White (B1)

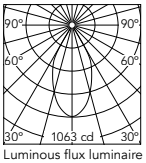
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1864	0.47
2	466	0.93
3	207	1.40
4	116	1.87
5	75	2.33

Optic Flood 2700K

- 03.4157.B1
- 03.4157.GL
- 03.4157.74

47° FLOOD



Luminous flux luminaire
688 lm (EXTREME CUT OFF)
@White (B1)

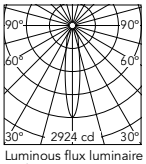
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1063	0.94
2	266	1.89
3	118	2.83
4	66	3.77
5	43	4.71

Optic Spot 3000K

- 03.4170.B1
- 03.4170.GL
- 03.4170.74

18° SPOT



Luminous flux luminaire
732 lm (EXTREME CUT OFF)
@White (B1)

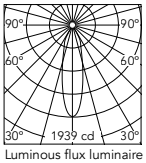
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2924	0.33
2	731	0.66
3	325	0.99
4	183	1.33
5	117	1.66

Optic Medium 3000K

- 03.4171.B1
- 03.4171.GL
- 03.4171.74

26° MEDIUM



Luminous flux luminaire
691 lm (EXTREME CUT OFF)
@White (B1)

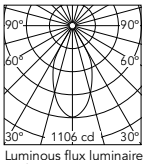
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1939	0.47
2	485	0.93
3	215	1.40
4	121	1.87
5	78	2.33

Optic Flood 3000K

- 03.4172.B1
- 03.4172.GL
- 03.4172.74

47° FLOOD



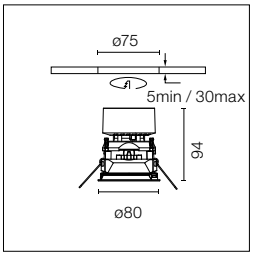
Luminous flux luminaire
716 lm (EXTREME CUT OFF)
@White (B1)

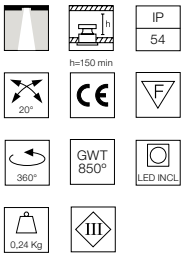
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1106	0.94
2	276	1.89
3	123	2.83
4	69	3.77
5	44	4.71

Easy Kap Ø80 Plus - Adjustable

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

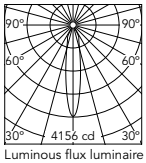
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7400.B1
- 05.7400.GL
- 05.7400.74

19° SPOT



Luminous flux luminaire 1040 lm (EXTREME CUT OFF)
@White (B1)

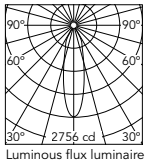
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4156	0.33
2	1039	0.66
3	462	0.99
4	260	1.33
5	166	1.66

Optic Medium 2700K

- 05.7401.B1
- 05.7401.GL
- 05.7401.74

26° MEDIUM



Luminous flux luminaire 982 lm (EXTREME CUT OFF)
@White (B1)

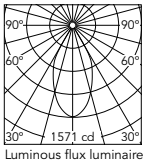
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2756	0.47
2	689	0.93
3	306	1.40
4	172	1.87
5	110	2.33

Optic Flood 2700K

- 05.7402.B1
- 05.7402.GL
- 05.7402.74

50° FLOOD



Luminous flux luminaire 1017 lm (EXTREME CUT OFF)
@White (B1)

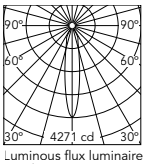
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1571	0.94
2	393	1.89
3	175	2.83
4	98	3.77
5	63	4.71

Optic Spot 3000K

- 05.7403.B1
- 05.7403.GL
- 05.7403.74

19° SPOT



Luminous flux luminaire 1069 lm (EXTREME CUT OFF)
@White (B1)

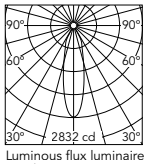
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4271	0.33
2	1068	0.66
3	475	0.99
4	267	1.33
5	171	1.66

Optic Medium 3000K

- 05.7404.B1
- 05.7404.GL
- 05.7404.74

26° MEDIUM



Luminous flux luminaire 1009 lm (EXTREME CUT OFF)
@White (B1)

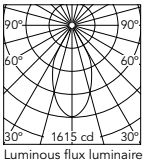
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2832	0.47
2	708	0.93
3	315	1.40
4	177	1.87
5	113	2.33

Optic Flood 3000K

- 05.7405.B1
- 05.7405.GL
- 05.7405.74

50° FLOOD



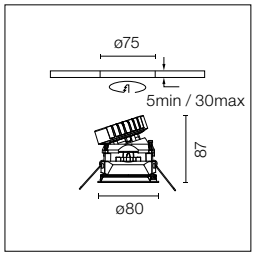
Luminous flux luminaire 1045 lm (EXTREME CUT OFF)
@White (B1)

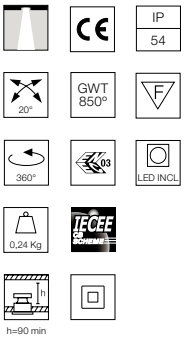
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1615	0.94
2	404	1.89
3	179	2.83
4	101	3.77
5	65	4.71

Easy Kap Ø80 Adjustable - Dim To Warm

LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

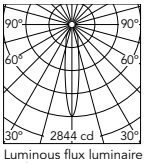




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Optic Spot
1800K-2850K
- 03.4170.B1.LE
- 03.4170.GL.LE
- 03.4170.74.LE

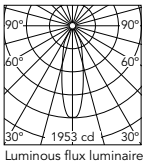


Luminous flux luminaire
716 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2844	0.31
2	711	0.63
3	316	0.94
4	178	1.25
5	114	1.56

Optic Medium
1800K-2850K
- 03.4171.B1.LE
- 03.4171.GL.LE
- 03.4171.74.LE

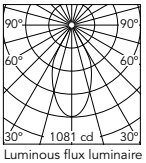


Luminous flux luminaire
722 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1953	0.48
2	488	0.97
3	217	1.45
4	122	1.94
5	78	2.42

Optic Flood
1800K-2850K
- 03.4172.B1.LE
- 03.4172.GL.LE
- 03.4172.74.LE



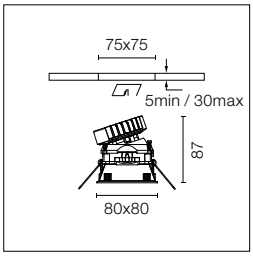
Luminous flux luminaire
707 lm (EXTREME CUT OFF)
@White (B1)

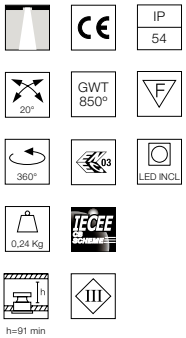
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1081	0.94
2	270	1.89
3	120	2.83
4	68	3.78
5	43	4.72

Easy Kap 80 Square - Adjustable

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

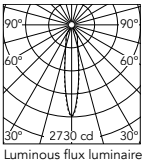
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 03.4294.B1
- 03.4294.GL
- 03.4294.74

18° SPOT



Luminous flux luminaire 738 lm (EXTREME CUT OFF)
@White (B1)

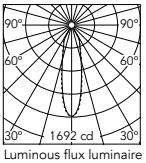
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2730	0.31
2	682	0.62
3	303	0.93
4	171	1.24
5	109	1.55

Optic Medium 2700K

- 03.4201.B1
- 03.4201.GL
- 03.4201.74

25° MEDIUM



Luminous flux luminaire 630 lm (EXTREME CUT OFF)
@White (B1)

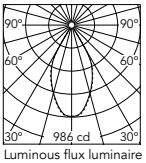
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1692	0.44
2	423	0.88
3	188	1.32
4	106	1.76
5	68	2.20

Optic Flood 2700K

- 03.4296.B1
- 03.4296.GL
- 03.4296.74

53° FLOOD



Luminous flux luminaire 722 lm (EXTREME CUT OFF)
@White (B1)

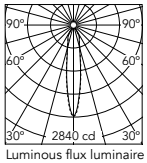
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	0.99
2	246	1.98
3	110	2.98
4	62	3.97
5	39	4.96

Optic Spot 3000K

- 03.4293.B1
- 03.4293.GL
- 03.4293.74

18° SPOT



Luminous flux luminaire 768 lm (EXTREME CUT OFF)
@White (B1)

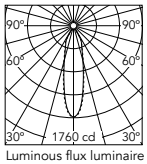
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2840	0.31
2	710	0.62
3	316	0.93
4	177	1.24
5	114	1.55

Optic Medium 3000K

- 03.4200.B1
- 03.4200.GL
- 03.4200.74

25° MEDIUM



Luminous flux luminaire 656 lm (EXTREME CUT OFF)
@White (B1)

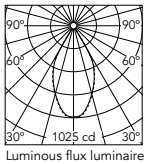
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1760	0.44
2	440	0.88
3	196	1.32
4	110	1.76
5	70	2.20

Optic Flood 3000K

- 03.4295.B1
- 03.4295.GL
- 03.4295.74

53° FLOOD



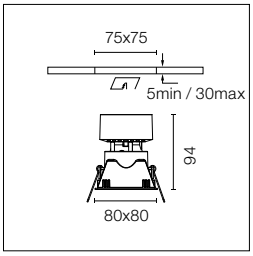
Luminous flux luminaire 751 lm (EXTREME CUT OFF)
@White (B1)

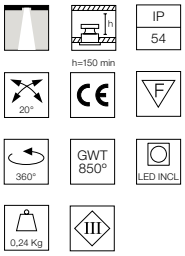
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1025	0.99
2	256	1.98
3	114	2.98
4	64	3.97
5	41	4.96

Easy Kap 80 Square Plus - Adjustable

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Empfohlene Netzgeräte / Recommended power supply*:

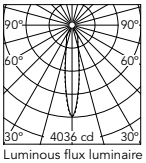
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7443.B1
- 05.7443.GL
- 05.7443.74

18° SPOT



Luminous flux luminaire 1092 lm (EXTREME CUT OFF)

@White (B1)

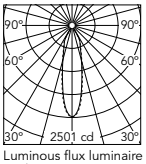
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4036	0.31
2	1009	0.62
3	448	0.93
4	252	1.24
5	161	1.55

Optic Medium 2700K

- 05.7439.B1
- 05.7439.GL
- 05.7439.74

25° MEDIUM



Luminous flux luminaire 932 lm (EXTREME CUT OFF)

@White (B1)

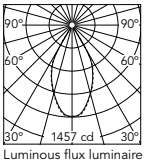
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2501	0.44
2	625	0.88
3	278	1.32
4	156	1.76
5	100	2.20

Optic Flood 2700K

- 05.7445.B1
- 05.7445.GL
- 05.7445.74

53° FLOOD



Luminous flux luminaire 1068 lm (EXTREME CUT OFF)

@White (B1)

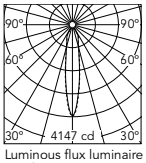
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1457	0.99
2	364	1.98
3	162	2.98
4	91	3.97
5	58	4.96

Optic Spot 3000K

- 05.7442.B1
- 05.7442.GL
- 05.7442.74

18° SPOT



Luminous flux luminaire 1122 lm (EXTREME CUT OFF)

@White (B1)

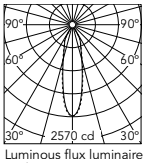
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4147	0.31
2	1037	0.62
3	461	0.93
4	259	1.24
5	166	1.55

Optic Medium 3000K

- 05.7438.B1
- 05.7438.GL
- 05.7438.74

25° MEDIUM



Luminous flux luminaire 958 lm (EXTREME CUT OFF)

@White (B1)

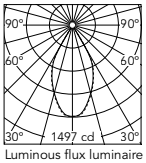
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2570	0.44
2	643	0.88
3	286	1.32
4	161	1.76
5	103	2.20

Optic Flood 3000K

- 05.7444.B1
- 05.7444.GL
- 05.7444.74

53° FLOOD



Luminous flux luminaire 1097 lm (EXTREME CUT OFF)

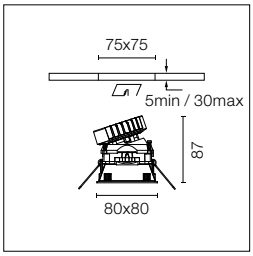
@White (B1)

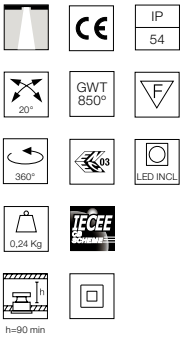
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1497	0.99
2	374	1.98
3	166	2.98
4	94	3.97
5	60	4.96

Easy Kap 80 Square Adjustable - Dim To Warm

LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm

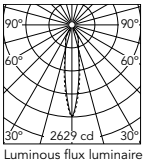




LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Optic Spot
1800K-2850K
- 03.4293.B1.LE
- 03.4293.GL.LE
- 03.4293.74.LE

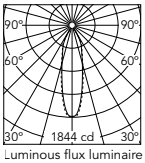


Luminous flux luminaire
754 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2629	0.31
2	657	0.63
3	292	0.94
4	164	1.26
5	105	1.57

Optic Medium
1800K-2850K
- 03.4200.B1.LE
- 03.4200.GL.LE
- 03.4200.74.LE

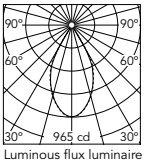


Luminous flux luminaire
752 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1844	0.47
2	461	0.94
3	205	1.41
4	115	1.88
5	74	2.35

Optic Flood
1800K-2850K
- 03.4295.B1.LE
- 03.4295.GL.LE
- 03.4295.74.LE



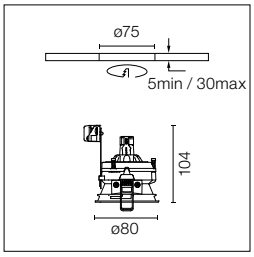
Luminous flux luminaire
732 lm (EXTREME CUT OFF)
@White (B1)

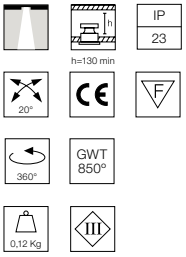
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	965	1.01
2	241	2.01
3	107	3.02
4	60	4.03
5	39	5.03

Easy Kap Ø80 Adjustable

LED QR-CBC 51 GX5.3





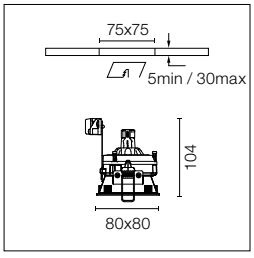
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen. Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

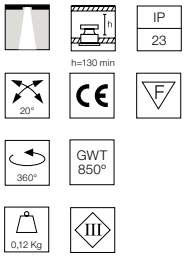
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

03.4160.B1
03.4160.GL
03.4160.74

Easy Kap 80 Square Adjustable

LED QR-CBC 51 GX5.3





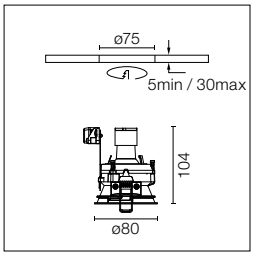
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen. Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

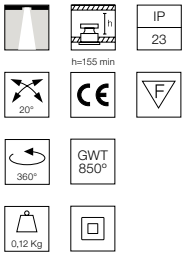
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

03.4212.B1
03.4212.GL
03.4212.74

Easy Kap Ø80 Adjustable

LED PAR 16 GZ10





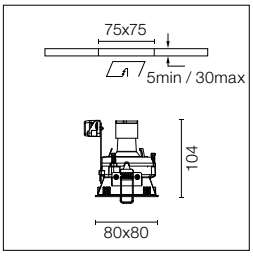
Einbauleuchte für Netzspannung.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

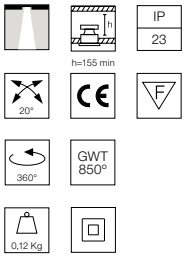
Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

03.4162.B1
03.4162.GL
03.4162.74

Easy Kap 80 Square Adjustable

LED PAR 16 GZ10





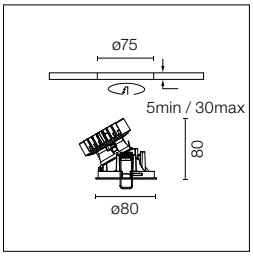
Einbauleuchte für Netzspannung.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

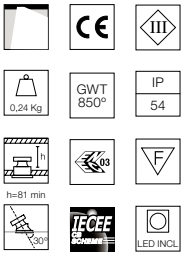
Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

03.4213.B1
03.4213.GL
03.4213.74

Easy Kap Ø80 - Wall-Washer

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Elliptische linse enthalten.

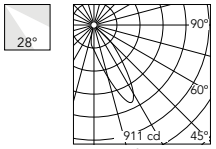
Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

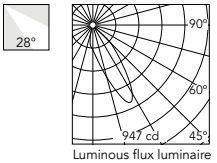
2700K
- 03.4197.B1
- 03.4197.GL
- 03.4197.74



Luminous flux luminaire
598 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	911	0.62
2	228	1.24
3	101	1.87
4	57	2.49
5	36	3.11

3000K
- 03.4196.B1
- 03.4196.GL
- 03.4196.74

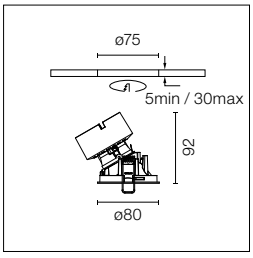


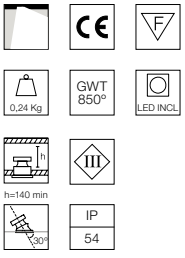
Luminous flux luminaire
622 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	947	0.62
2	237	1.24
3	105	1.87
4	59	2.49
5	38	3.11

Easy Kap Ø80 Plus - Wall-Washer

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Elliptische linse enthalten.

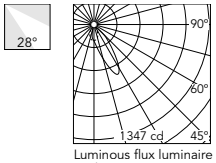
Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

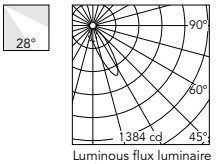
2700K
- 05.7435.B1
- 05.7435.GL
- 05.7435.74



Luminous flux luminaire
884 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	1347	0.62
2	337	1.24
3	150	1.87
4	84	2.49
5	54	3.11

3000K
- 05.7434.B1
- 05.7434.GL
- 05.7434.74

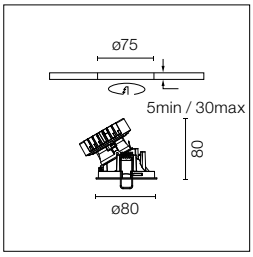


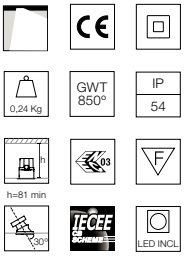
Luminous flux luminaire
908 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	1384	0.62
2	346	1.24
3	154	1.87
4	86	2.49
5	55	3.11

Easy Kap Ø80 Wall-Washer - Dim To Warm

LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm



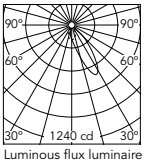


LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

1800K-2850K

- 03.4196.B1.LE
- 03.4196.GL.LE
- 03.4196.74.LE



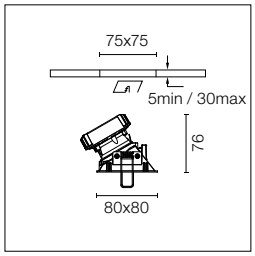
Luminous flux luminaire
770 lm [EXTREME CUT OFF]
@White (B1)

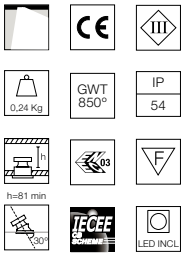
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1240	0.64
2	310	1.29
3	138	1.93
4	78	2.58
5	50	3.22

Easy Kap 80 Square - Wall-Washer

LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Elliptische linse enthalten.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

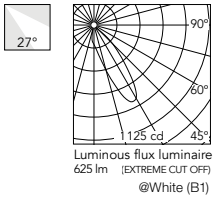
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 03.4199.B1
- 03.4199.GL
- 03.4199.74



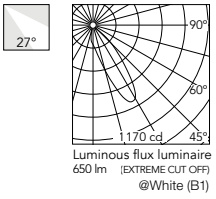
Luminous flux luminaire
625 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1125	0.62
2	281	1.24
3	125	1.85
4	70	2.47
5	45	3.09

3000K

- 03.4198.B1
- 03.4198.GL
- 03.4198.74



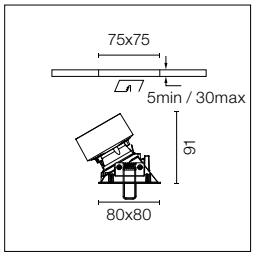
Luminous flux luminaire
650 lm [EXTREME CUT OFF]
@White (B1)

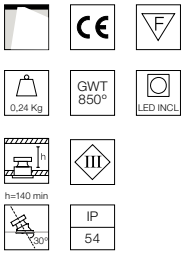
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1170	0.62
2	292	1.24
3	130	1.85
4	73	2.47
5	47	3.09

Easy Kap 80 Square Plus - Wall-Washer

LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





LED Einbauleuchte. Ohne Netzgerät. Installationsrahmen nicht notwendig. Elliptische linse enthalten.

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

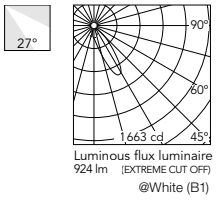
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 05.7437.B1
- 05.7437.GL
- 05.7437.74



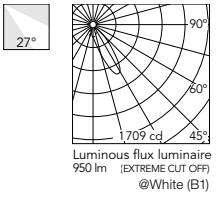
Luminous flux luminaire
924 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1663	0.62
2	416	1.24
3	185	1.85
4	104	2.47
5	67	3.09

3000K

- 05.7436.B1
- 05.7436.GL
- 05.7436.74



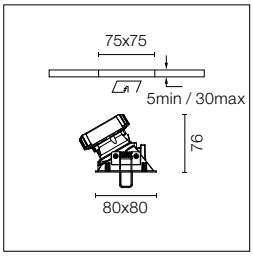
Luminous flux luminaire
950 lm [EXTREME CUT OFF]
@White (B1)

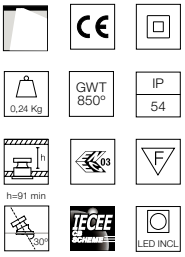
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1709	0.62
2	427	1.24
3	190	1.85
4	107	2.47
5	68	3.09

Easy Kap 80 Square Wall-Washer - Dim To Warm

LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm



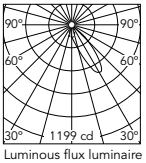


LED Einbauleuchte. 220-240V und dimmbares 1-10V Netzteil inklusive. Für Versionen mit 110-V-Geräten wenden Sie sich an das Frontoffice. Installationsrahmen nicht notwendig. Diffusorlinse inbegriffen.

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

1800K-2850K

- 03.4198.B1.LE
- 03.4198.GL.LE
- 03.4198.74.LE



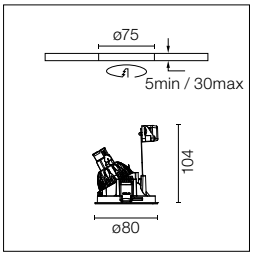
Luminous flux luminaire
723 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1199	0.68
2	300	1.37
3	133	2.05
4	75	2.74
5	48	3.42

Easy Kap Ø80 Wall-Washer

LED QR-CBC 51 GX5.3



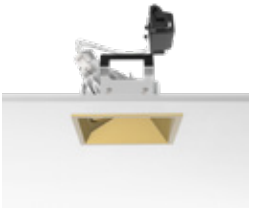
Einbauleuchte für 12V lampe. Separater Transformator nicht inbegriffen. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

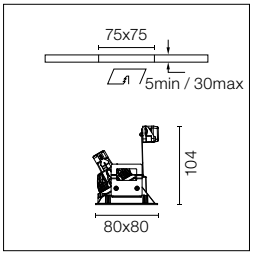
Recessed 12V lamp luminaire. Remote transformer not included. Installation frame not necessary. Not suitable for lens accessories.

- 03.4220.B1
- 03.4220.GL
- 03.4220.74

Easy Kap 80 Square Wall-Washer

LED QR-CBC 51 GX5.3





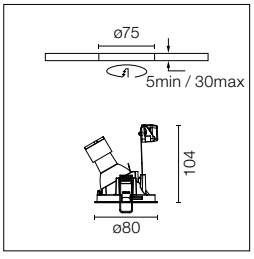
Einbauleuchte für 12V lampe. Separater Transformator nicht inbegriffen. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

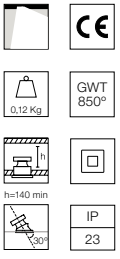
Recessed 12V lamp luminaire. Remote transformer not included. Installation frame not necessary. Not suitable for lens accessories.

- 03.4218.B1
- 03.4218.GL
- 03.4218.74

Easy Kap Ø80 Wall-Washer

LED PAR 16 GZ10





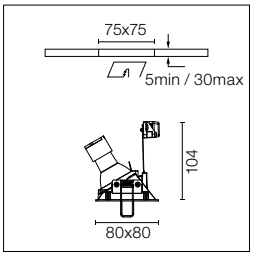
Einbauleuchte für Netzspannung. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

Recessed luminaire with main voltage source. Installation frame not necessary. Not suitable for lens accessories.

- 03.4221.B1
- 03.4221.GL
- 03.4221.74

Easy Kap 80 Square Wall-Washer

LED PAR 16 GZ10



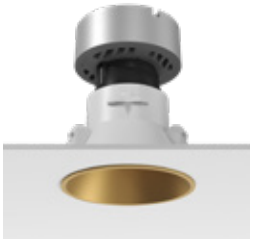
Einbauleuchte für Netzspannung. Installationsrahmen nicht notwendig. Objektivzubehör nicht erhältlich.

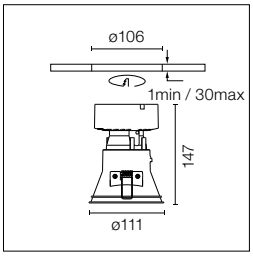
Recessed luminaire with main voltage source. Installation frame not necessary. Not suitable for lens accessories.

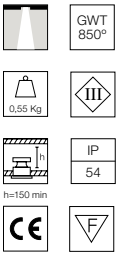
- 03.4219.B1
- 03.4219.GL
- 03.4219.74

Easy Kap Ø105 Fixed

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







LED Einbauleuchte.Transformator nicht inbegriffen.
Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

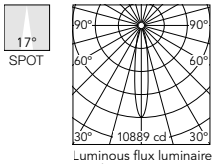
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7000.B1
- 05.7000.GL
- 05.7000.74



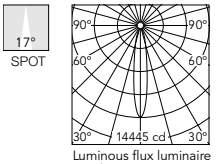
Luminous flux luminaire
1715 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Spot 3000K

- 05.7005.B1
- 05.7005.GL
- 05.7005.74



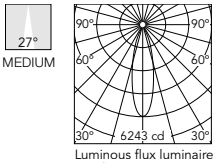
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 2700K

- 05.7001.B1
- 05.7001.GL
- 05.7001.74



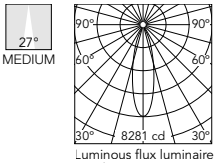
Luminous flux luminaire
1675 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Medium 3000K

- 05.7006.B1
- 05.7006.GL
- 05.7006.74



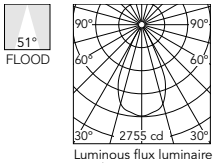
Luminous flux luminaire
2222 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 2700K

- 05.7002.B1
- 05.7002.GL
- 05.7002.74



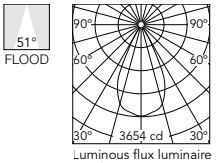
Luminous flux luminaire
1815 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Flood 3000K

- 05.7007.B1
- 05.7007.GL
- 05.7007.74



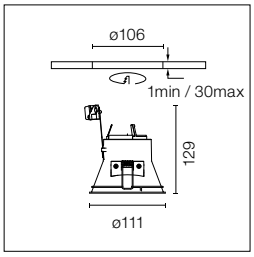
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)
@White (B1)

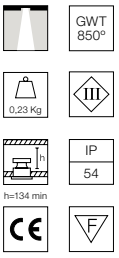
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Easy Kap Ø105 Fixed EVO

LED QR-CBC 51 GX5.3





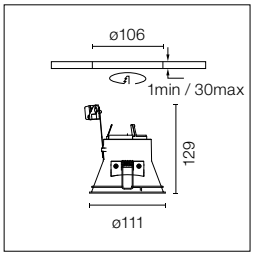
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Um die Glühbirne zu ersetzen, muss die Leuchte entfernt werden.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

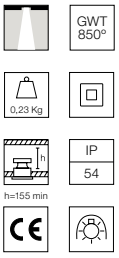
Recessed 12V lamp luminaire.
Remote transformer not included.
To replace the bulb, the luminaire must be removed.
Installation frame not necessary.
Not suitable for lens accessories.

- 05.7030.B1
- 05.7030.GL
- 05.7030.74

Easy Kap Ø105 Fixed EVO

LED PAR 16 GZ10





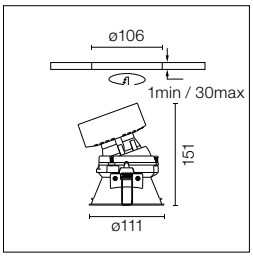
Einbauleuchte für Netzspannung.
Um die Glühbirne zu ersetzen, muss die Leuchte entfernt werden.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

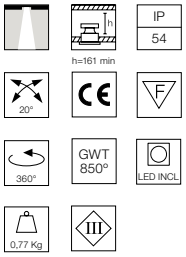
Recessed luminaire with main voltage source.
To replace the bulb, the luminaire must be removed.
Installation frame not necessary.
Not suitable for lens accessories.

- 05.7031.B1
- 05.7031.GL
- 05.7031.74

Easy Kap Ø105 Adjustable

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90





LED Einbauleuchte.Transformator nicht inbegriffen.
Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

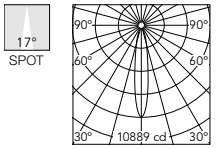
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot 2700K

- 05.7010.B1
- 05.7010.GL
- 05.7010.74



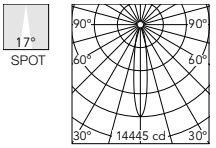
Luminous flux luminaire
1715 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Spot 3000K

- 05.7015.B1
- 05.7015.GL
- 05.7015.74



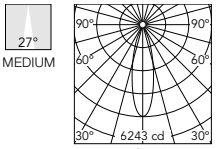
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 2700K

- 05.7011.B1
- 05.7011.GL
- 05.7011.74



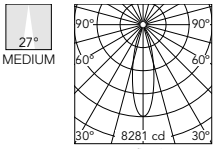
Luminous flux luminaire
1675 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Medium 3000K

- 05.7016.B1
- 05.7016.GL
- 05.7016.74



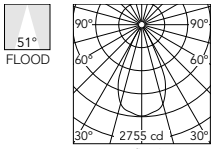
Luminous flux luminaire
2222 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 2700K

- 05.7012.B1
- 05.7012.GL
- 05.7012.74



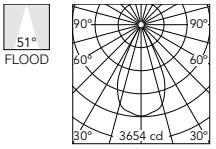
Luminous flux luminaire
1815 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Flood 3000K

- 05.7017.B1
- 05.7017.GL
- 05.7017.74



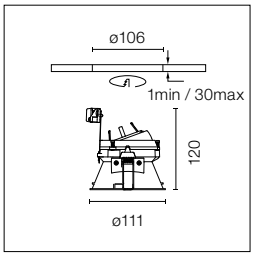
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)
@White (B1)

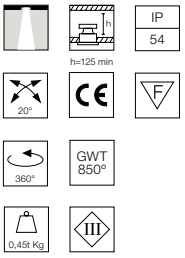
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Easy Kap Ø105 Adjustable

LED QR-CBC 51 GX5.3





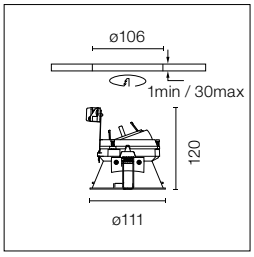
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

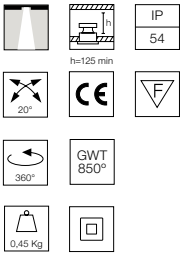
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

- 05.7035.B1
- 05.7035.GL
- 05.7035.74

Easy Kap Ø105 Adjustable

LED PAR 16 GZ10





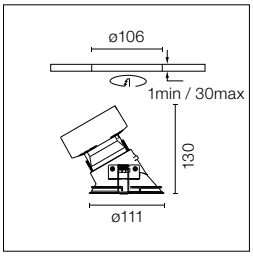
Einbauleuchte für Netzspannung.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

Recessed luminaire with main voltage source.
Installation frame not necessary.
Not suitable for lens accessories.

- 05.7036.B1
- 05.7036.GL
- 05.7036.74

Easy Kap Ø105 Wall-Washer

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



LED Einbauleuchte. Elektronischer Ferntransformator 220/240V nicht inbegriffen.
Installationsrahmen nicht notwendig.

Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included.
Installation frame not necessary.

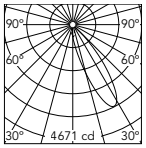
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot
2700K

- 05.7020.B1
- 05.7020.GL
- 05.7020.74



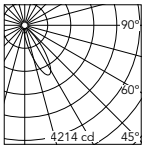
Luminous flux luminaire
1621 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4671	0.58
2	1168	1.15
3	519	1.73
4	292	2.31
5	187	2.89

Optic Spot
3000K

- 05.7021.B1
- 05.7021.GL
- 05.7021.74



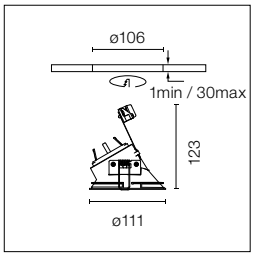
* Luminous flux luminaire
1898 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

Easy Kap Ø105 Wall-Washer

LED QR-CBC 51 GX5.3



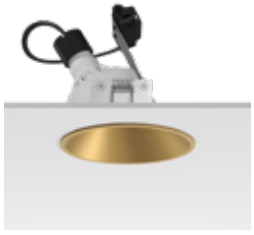
Einbauleuchte für 12V lampe.
Separater Transformator nicht inbegriffen.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

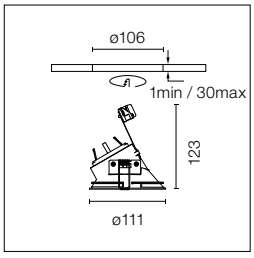
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

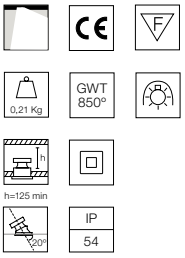
- 05.7040.B1
- 05.7040.GL
- 05.7040.74

Easy Kap Ø105 Wall-Washer

LED PAR 16 GZ10







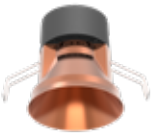
Einbauleuchte für Netzspannung.
Installationsrahmen nicht notwendig.
Objektivzubehör nicht erhältlich.

Recessed luminaire with main voltage source.
Installation frame not necessary.
Not suitable for lens accessories.

- 05.7041.B1
- 05.7041.GL
- 05.7041.74

BON JOUR

DESIGNED BY PHILIPPE STARCK

BON JOUR Ø45	BON JOUR Ø90	BON JOUR Ø145
		
LIGHT SOURCE POWER LED 6W 524 lm 2700K/CRI 90 605 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 13,5W 1500 lm 2700K/CRI 90 16W 2093 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 36W 3847 lm 2700K/CRI 90 3840 lm 3000K/CRI 90

☐ 01 Weiss
01 White

■ CU Kupfer
CU Copper

■ 14 Schwarz
14 Black

Produktbeschreibung
LED-Leuchte für Zwischendeckeneinbau.
Nach der Installation ragt die Kante der Leuchte 10 mm aus der Decke heraus und erzeugt dadurch einen einzigartigen, raffinierten optischen Effekt.
Leuchtenkörper aus Spritzgussaluminium. In 3 Größen erhältlich: Ø45 mm, Ø90 mm und Ø145 mm.
Reflektor aus glänzend eloxiertem Aluminium mit Diffusorelement aus Polycarbonat.

Einspeisung
Kabel enthalten, bereit für Anschluss an mitgelieferte Fernansteuerung.
Dimmbare Dali Ausführung erhältlich.
Auf Anfrage Ausführungen ohne Vorschaltgerät und mit 110V-Vorschaltgerät erhältlich.

Zubehör
- Einbaurahmen aus thermoplastischem Material für den Einbau in die Zwischendecke, erforderlich bei den Ausführungen mit Ø90 mm und Ø145 mm (nicht erforderlich bei der Ausführung mit Ø45 mm).
- Honeycomb-Zubehör und Blendschutzgitter (in der Ausführung mit Ø45 mm inkludiert).
- Abschirmelemente erhältlich für die Version mit ø145, mit den gleichen Eigenschaften wie die dekorative Lichtquelle Bon Jour. Details finden Sie im Flos-Katalog “The Home Collection“.

Zusatzinformationen
Schutzgrad IP44.
Schutzklasse II.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
LED luminaire for recessed mounting on plasterboard ceilings.
Once installed, the luminaire edge sticks out of the ceiling 10 mm creating a unique and very refined aesthetic effect.
The luminaire’s body is injected with aluminium. It is available in three sizes: Ø45 mm, Ø90 mm and Ø145 mm.
Reflector made of anodized gloss aluminium with diffuser element made of polycarbonate.

Power Supply
Cabling included, ready to be powered by included remote driver.
Dali dimmable version available.
Versions without driver and 110V driver available on request.

Accessories
- Installation frame made from thermoplastic material for installation in suspended ceilings required for the Ø90 mm and Ø145 mm versions (not necessary for Ø45 mm version).
- Honeycomb and cross screening cylinder (included for Ø45 mm version).
- Screening accesories available for the ø145 version, with the same finishes as the decorative Bon Jour luminaire. See the Flos “The Home Collection” catalogue for more information.

Additional Information
IP44 protection grade.
Insulation class II.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

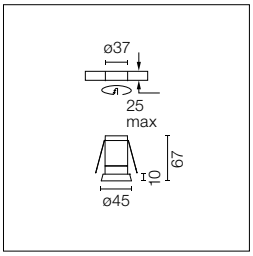
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

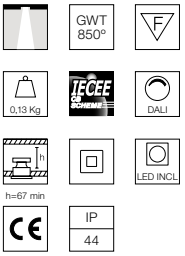
Ø45

Ø90 / Ø145

Bon Jour Ø45

Power LED DC 400 mA - 6W - 524 lm - 2700K/CRI 90 / 6W - 605 lm - 3000K/CRI 90



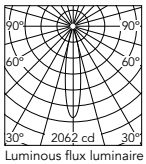


LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten. Notwendiger Zugang zum Treiber durch Registrierung.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Recessed luminaire with LED light source. Remote 220/240V power supply included. It is necessary to anticipate a space for accessing the driver.
Accessories included (honeycomb and screening crosspiece).

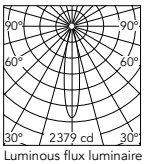
2700K
Non Dimmable
☐ 03.2001.01B
Dali Version
☐ 03.2001.01BDA



Luminous flux luminaire 306 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2062 0.34
2	516 0.68
3	229 1.02
4	129 1.36
5	82 1.70

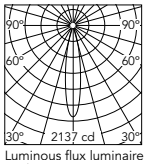
3000K
Non Dimmable
☐ 03.2006.01B
Dali Version
☐ 03.2006.01BDA



Luminous flux luminaire 353 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2379 0.34
2	595 0.68
3	264 1.02
4	149 1.36
5	95 1.70

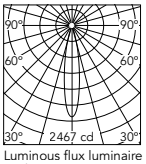
2700K
Non Dimmable
■ 03.2001.CUB
Dali Version
■ 03.2001.CUBDA



Luminous flux luminaire 311 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2137 0.34
2	534 0.67
3	237 1.01
4	134 1.34
5	85 1.68

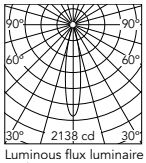
3000K
Non Dimmable
■ 03.2006.CUB
Dali Version
■ 03.2006.CUBDA



Luminous flux luminaire 359 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2467 0.34
2	617 0.67
3	274 1.01
4	154 1.34
5	99 1.68

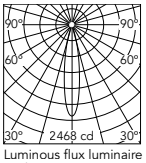
2700K
Non Dimmable
■ 03.2001.14B
Dali Version
■ 03.2001.14BDA



Luminous flux luminaire 311 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2138 0.34
2	534 0.67
3	238 1.01
4	134 1.34
5	86 1.68

3000K
Non Dimmable
■ 03.2006.14B
Dali Version
■ 03.2006.14BDA

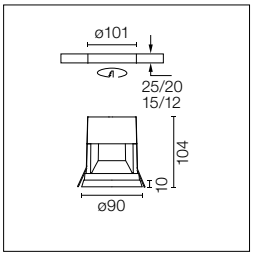


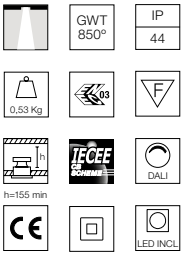
Luminous flux luminaire 359 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2468 0.34
2	617 0.67
3	274 1.01
4	154 1.34
5	99 1.68

Bon Jour Ø90

LED Array DC 400 mA - 17,5W - 2040 lm - 2700K/CRI 90 / 17,5W - 2093 lm - 3000K/CRI 90





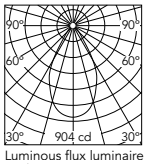
LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten.

Der Rahmen für das Einbaugehäuse ist getrennt zu bestellen.

Recessed luminaire with LED light source. Remote 220/240V power supply included.

Pre-installation frame must be ordered separately.

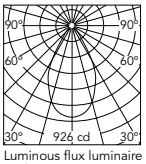
2700K
Non Dimmable
☐ 03.2003.01A
Dali Version
☐ 03.2003.01ADA



Luminous flux luminaire 885 lm

Beam Angle:	58°
h(m)	E(lx) D(m)
1	904 1.11
2	226 2.21
3	100 3.32
4	56 4.42
5	36 5.53

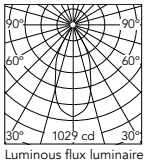
3000K
Non Dimmable
☐ 03.2007.01A
Dali Version
☐ 03.2007.01ADA



Luminous flux luminaire 907 lm

Beam Angle:	58°
h(m)	E(lx) D(m)
1	926 1.11
2	232 2.21
3	103 3.32
4	58 4.42
5	37 5.53

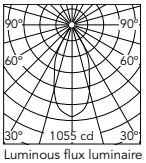
2700K
Non Dimmable
■ 03.2003.CUA
Dali Version
■ 03.2003.CUADA



Luminous flux luminaire 592 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	1029 0.82
2	257 1.65
3	114 2.47
4	64 3.30
5	41 4.12

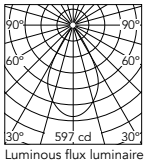
3000K
Non Dimmable
■ 03.2007.CUA
Dali Version
■ 03.2007.CUADA



Luminous flux luminaire 607 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	1055 0.82
2	264 1.65
3	117 2.47
4	66 3.30
5	42 4.12

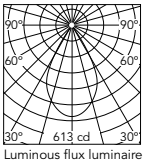
2700K
Non Dimmable
■ 03.2003.14A
Dali Version
■ 03.2003.14ADA



Luminous flux luminaire 448 lm

Beam Angle:	58°
h(m)	E(lx) D(m)
1	597 1.10
2	149 2.21
3	66 3.31
4	37 4.42
5	24 5.52

3000K
Non Dimmable
■ 03.2007.14A
Dali Version
■ 03.2007.14ADA

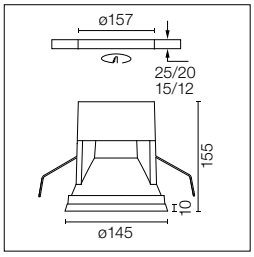


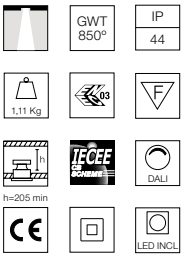
Luminous flux luminaire 460 lm

Beam Angle:	58°
h(m)	E(lx) D(m)
1	613 1.10
2	153 2.21
3	68 3.31
4	38 4.42
5	25 5.52

Bon Jour Ø145

LED Array DC 900 mA - 36W - 3847 lm - 2700K/CRI 90 / 36W - 3840 lm - 3000K/CRI 90





LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten.

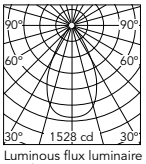
Der Rahmen für das Einbaugehäuse ist getrennt zu bestellen.

Recessed luminaire with LED light source. Remote 220/240V power supply included.

Pre-installation frame must be ordered separately.

2700K
Non Dimmable
☐ 03.2005.01A
Dali Version
☐ 03.2005.01ADA

58°

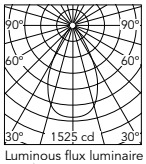


Luminous flux luminaire
1530 lm

Beam Angle:	58°
h(m) E(lx)	D(m)
1 1528	1.10
2 382	2.20
3 170	3.29
4 96	4.39
5 61	5.49

3000K
Non Dimmable
☐ 03.2008.01A
Dali Version
☐ 03.2008.01ADA

58°

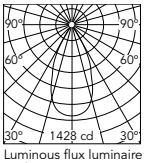


Luminous flux luminaire
1527 lm

Beam Angle:	58°
h(m) E(lx)	D(m)
1 1525	1.10
2 381	2.20
3 169	3.29
4 95	4.39
5 61	5.49

2700K
Non Dimmable
■ 03.2005.CUA
Dali Version
■ 03.2005.CUADA

49°

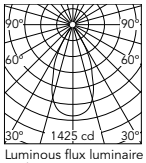


Luminous flux luminaire
891 lm

Beam Angle:	49°
h(m) E(lx)	D(m)
1 1428	0.91
2 357	1.83
3 159	2.74
4 89	3.65
5 57	4.57

3000K
Non Dimmable
■ 03.2008.CUA
Dali Version
■ 03.2008.CUADA

49°

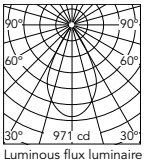


Luminous flux luminaire
889 lm

Beam Angle:	49°
h(m) E(lx)	D(m)
1 1425	0.91
2 356	1.83
3 158	2.74
4 89	3.65
5 57	4.57

2700K
Non Dimmable
■ 03.2005.14A
Dali Version
■ 03.2005.14ADA

56°

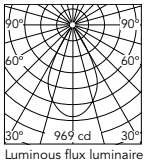


Luminous flux luminaire
695 lm

Beam Angle:	56°
h(m) E(lx)	D(m)
1 971	1.05
2 243	2.11
3 108	3.16
4 61	4.22
5 39	5.27

3000K
Non Dimmable
■ 03.2008.14A
Dali Version
■ 03.2008.14ADA

56°



Luminous flux luminaire
693 lm

Beam Angle:	56°
h(m) E(lx)	D(m)
1 969	1.05
2 242	2.11
3 108	3.16
4 61	4.22
5 39	5.27

Zubehör / Accessories

Bon Jour Ø90

Kleiner Rahmen. Pre-installation frame.		08.8974.00
Honeycomb und Querabschirmung. Honeycomb and screening crosspiece.		08.8976.14

Bon Jour Ø145

Kleiner Rahmen. Pre-installation frame.		08.8975.00
Honeycomb und Querabschirmung. Honeycomb and screening crosspiece.		08.8980.14
Dekoratives Abschirmelement als Zubehör.		08.8977.00
Decorative screening accessory.		08.8978.00

UT DOWNLIGHT

DESIGNED BY FLOS ARCHITECTURAL

TRIM / NO TRIM
Ø57

LIGHT SOURCE
LED ARRAY
18W
2000 lm
3000K/CRI 80
Up to 14,7W
1600 lm
3000K/CRI 90
4000K/CRI 90

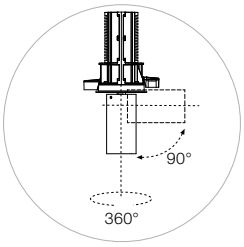
TRIM / NO TRIM
Ø86

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
27W
3214 lm
3000K/CRI 80
Up to 26,1W
2656 lm
3000K/CRI 90
2767 lm
4000K/CRI 90

☐ 30 Weiss
30 White

■ 14 Schwarz
14 Black

Drehbar um 360° und schwenkbar 90°.
Can be rotated 360° and swivelled 90°.



Produktbeschreibung
Innenleuchte für den Einbau mit Lichtquellen mit leistungsstarker LED-Technologie sowie DALI- und Nicht-DALI-Versionen.
Die Produktreihe ist ein zwei Größen (Ø57 und Ø86) erhältlich.
In der oberen Position fungiert sie als Downlight, in der unteren Position als schwenkbarer Strahler. Der optische Körper der Leuchte besteht aus Aluminium, das unter hohem Druck eingespritzt wird und in Pulverlackierung in Weiß oder Schwarz ausgeführt ist.
Fern-Netzteil im Lieferumfang enthalten.

Betriebsgerät
Netzteil für konstante Stromzufuhr mit oder ohne DALI-Steuerung 220-240V eingeschlossen.

Zubehör
- Querabschirmung, elliptische Linse, Fluterlinse und Honeycomb verfügbar.
- Installationsrahmen.

Zusatzinformationen
Schutzgrad IP20.
Schutzklasse II.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Interior lighting for embedded installation with high power LED technology light sources, in Dali and Non Dali versions.
The family is available in two sizes (Ø57 and Ø86).
In an upper position it functions as a downlight, and in a lower position it functions as a swivelling projector.
The optical body of the luminaire is manufactured in high-pressure die-cast aluminium, finished in black or white powder paint.
Remote power kit included.

Power Supply
Not dimmable or dimmable Dali 220-240V, constant current, power supply included.

Accessories
- Screening crosspiece, elliptical lens, flood lens and Honeycomb.
- No Trim installation frame.

Additional Information
IP20 protection grade.
Insulation class II.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

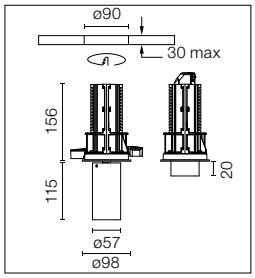
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

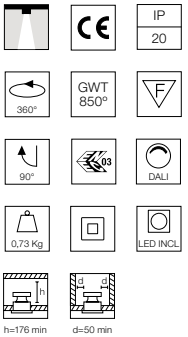
Trim

No Trim

Ut Downlight Trim Ø57

LED Array
Non Dimming: 18W - 2000 lm - 3000K/CRI 80 / 14,1W - 1600 lm - 3000K/CRI 90 / 14,1W - 1600 lm - 4000K/CRI 90
Dali: 18W - 2000 lm - 3000K/CRI 80 / 14,7W - 1600 lm - 3000K/CRI 90 / 14,7W - 1600 lm - 4000K/CRI 90





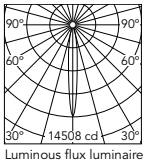
LED Einbauleuchte. Fernnetzgerät mit 220-240V, 50-60Hz inbegriffen.

Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

3000K - CRI 80
Non Dimmable
- 09.4510.30A
- 09.4510.14A

Dali Version
- 09.4510.30ADA
- 09.4510.14ADA

11° SPOT



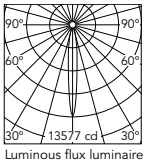
Luminous flux luminaire 1295 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 14508	0.19
2 3627	0.39
3 1612	0.58
4 907	0.77
5 580	0.97

4000K - CRI 90
Non Dimmable
- 09.4516.30C
- 09.4516.14C

Dali Version
- 09.4516.30CDA
- 09.4516.14CDA

11° SPOT



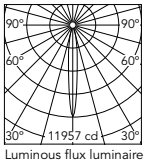
Luminous flux luminaire 1212 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 13577	0.19
2 3394	0.39
3 1509	0.58
4 849	0.77
5 543	0.97

3000K - CRI 90
Non Dimmable
- 09.4513.30C
- 09.4513.14C

Dali Version
- 09.4513.30CDA
- 09.4513.14CDA

11° SPOT



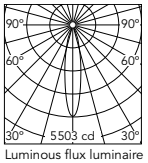
Luminous flux luminaire 1067 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 11957	0.19
2 2989	0.39
3 1329	0.58
4 747	0.77
5 478	0.97

3000K - CRI 80
Non Dimmable
- 09.4511.30A
- 09.4511.14A

Dali Version
- 09.4511.30ADA
- 09.4511.14ADA

21° MEDIUM



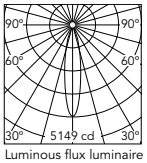
Luminous flux luminaire 981 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5503	0.36
2 1376	0.72
3 611	1.09
4 344	1.45
5 220	1.81

4000K - CRI 90
Non Dimmable
- 09.4517.30C
- 09.4517.14C

Dali Version
- 09.4517.30CDA
- 09.4517.14CDA

21° MEDIUM



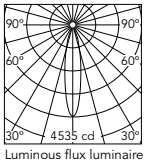
Luminous flux luminaire 918 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5149	0.36
2 1287	0.72
3 572	1.09
4 322	1.45
5 206	1.81

3000K - CRI 90
Non Dimmable
- 09.4514.30C
- 09.4514.14C

Dali Version
- 09.4514.30CDA
- 09.4514.14CDA

21° MEDIUM



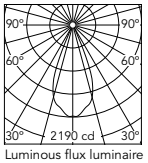
Luminous flux luminaire 808 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 4535	0.36
2 1134	0.72
3 504	1.09
4 283	1.45
5 181	1.81

3000K - CRI 80
Non Dimmable
- 09.4512.30A
- 09.4512.14A

Dali Version
- 09.4512.30ADA
- 09.4512.14ADA

43° FLOOD



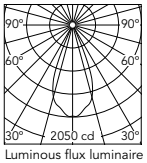
Luminous flux luminaire 995 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 2190	0.79
2 548	1.58
3 243	2.37
4 137	3.16
5 88	3.95

4000K - CRI 90
Non Dimmable
- 09.4518.30C
- 09.4518.14C

Dali Version
- 09.4518.30CDA
- 09.4518.14CDA

43° FLOOD



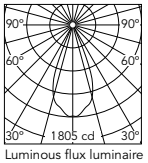
Luminous flux luminaire 932 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 2050	0.79
2 512	1.58
3 228	2.37
4 128	3.16
5 82	3.95

3000K - CRI 90
Non Dimmable
- 09.4515.30C
- 09.4515.14C

Dali Version
- 09.4515.30CDA
- 09.4515.14CDA

43° FLOOD

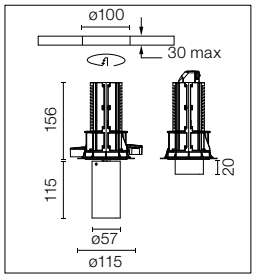


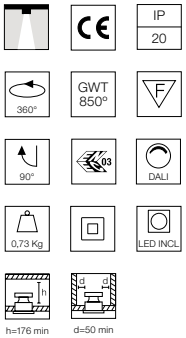
Luminous flux luminaire 820 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 1805	0.79
2 451	1.58
3 201	2.37
4 113	3.16
5 72	3.95

Ut Downlight No Trim Ø57

LED Array
Non Dimming: 18W - 2000 lm - 3000K/CRI 80 / 14,1W - 1600 lm - 3000K/CRI 90 / 14,1W - 1600 lm - 4000K/CRI 90
Dali: 18W - 2000 lm - 3000K/CRI 80 / 14,7W - 1600 lm - 3000K/CRI 90 / 14,7W - 1600 lm - 4000K/CRI 90





LED Einbauleuchte. Fernnetzgerät mit 220-240V, 50-60Hz inbegriffen.

Der Rahmen für das Einbaugehäuse ist getrennt zu bestellen.

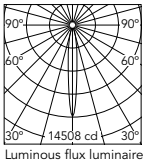
Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Pre-installation frame must be ordered separately.

3000K - CRI 80
Non Dimmable
- 09.4519.30A
- 09.4519.14A

Dali Version
- 09.4519.30ADA
- 09.4519.14ADA

11° SPOT



Luminous flux luminaire 1295 lm

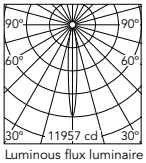
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	14508	0.19
2	3627	0.39
3	1612	0.58
4	907	0.77
5	580	0.97

3000K - CRI 90
Non Dimmable
- 09.4522.30C
- 09.4522.14C

Dali Version
- 09.4522.30CDA
- 09.4522.14CDA

11° SPOT



Luminous flux luminaire 1067 lm

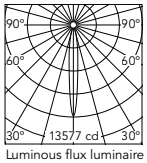
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11957	0.19
2	2989	0.39
3	1329	0.58
4	747	0.77
5	478	0.97

4000K - CRI 90
Non Dimmable
- 09.4525.30C
- 09.4525.14C

Dali Version
- 09.4525.30CDA
- 09.4525.14CDA

11° SPOT



Luminous flux luminaire 1212 lm

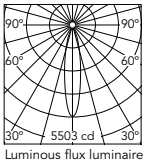
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	13577	0.19
2	3394	0.39
3	1509	0.58
4	849	0.77
5	543	0.97

3000K - CRI 80
Non Dimmable
- 09.4520.30A
- 09.4520.14A

Dali Version
- 09.4520.30ADA
- 09.4520.14ADA

21° MEDIUM



Luminous flux luminaire 981 lm

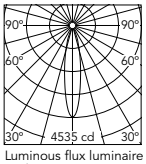
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5503	0.36
2	1376	0.72
3	611	1.09
4	344	1.45
5	220	1.81

3000K - CRI 90
Non Dimmable
- 09.4523.30C
- 09.4523.14C

Dali Version
- 09.4523.30CDA
- 09.4523.14CDA

21° MEDIUM



Luminous flux luminaire 808 lm

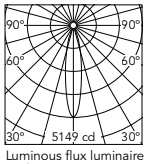
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4535	0.36
2	1134	0.72
3	504	1.09
4	283	1.45
5	181	1.81

4000K - CRI 90
Non Dimmable
- 09.4526.30C
- 09.4526.14C

Dali Version
- 09.4526.30CDA
- 09.4526.14CDA

21° MEDIUM



Luminous flux luminaire 918 lm

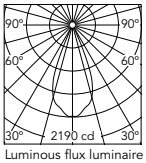
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5149	0.36
2	1287	0.72
3	572	1.09
4	322	1.45
5	206	1.81

3000K - CRI 80
Non Dimmable
- 09.4521.30A
- 09.4521.14A

Dali Version
- 09.4521.30ADA
- 09.4521.14ADA

43° FLOOD



Luminous flux luminaire 995 lm

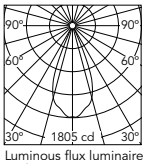
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2190	0.79
2	548	1.58
3	243	2.37
4	137	3.16
5	88	3.95

3000K - CRI 90
Non Dimmable
- 09.4524.30C
- 09.4524.14C

Dali Version
- 09.4524.30CDA
- 09.4524.14CDA

43° FLOOD



Luminous flux luminaire 820 lm

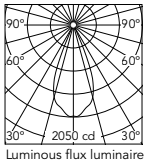
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

4000K - CRI 90
Non Dimmable
- 09.4527.30C
- 09.4527.14C

Dali Version
- 09.4527.30CDA
- 09.4527.14CDA

43° FLOOD



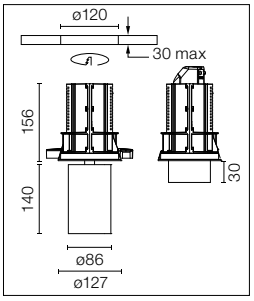
Luminous flux luminaire 932 lm

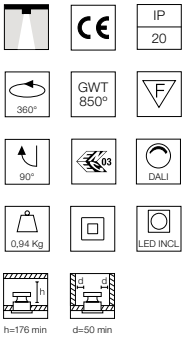
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2050	0.79
2	512	1.58
3	228	2.37
4	128	3.16
5	82	3.95

Ut Downlight Trim Ø86

LED Array High Performances
Non Dimming: 27W - 3214 lm - 3000K/CRI 80 / 25,3W - 2656 lm - 3000K/CRI 90 / 25,3W - 2767 lm - 4000K/CRI 90
Dali: 27W - 3214 lm - 3000K/CRI 80 / 26,1W - 2656 lm - 3000K/CRI 90 / 26,1W - 2767 lm - 4000K/CRI 90



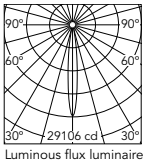


LED Einbauleuchte. Fernnetzgerät mit 220-240V, 50-60Hz inbegriffen.

Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

3000K - CRI 80
Non Dimmable
09.4910.30A
09.4910.14A
Dali Version
09.4910.30BDA
09.4910.14BDA

12° SPOT



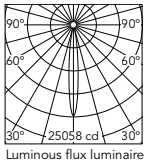
Luminous flux luminaire
2259 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	29106	0.21
2	7277	0.41
3	3234	0.62
4	1819	0.82
5	1164	1.03

4000K - CRI 90
Non Dimmable
09.4916.30C
09.4916.14C
Dali Version
09.4916.30CDA
09.4916.14CDA

12° SPOT



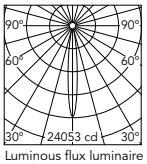
Luminous flux luminaire
1945 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	25058	0.21
2	6265	0.41
3	2784	0.62
4	1566	0.82
5	1002	1.03

3000K - CRI 90
Non Dimmable
09.4913.30C
09.4913.14C
Dali Version
09.4913.30CDA
09.4913.14CDA

12° SPOT



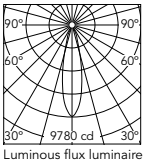
Luminous flux luminaire
1867 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	24053	0.21
2	6013	0.41
3	2673	0.62
4	1503	0.82
5	962	1.03

3000K - CRI 80
Non Dimmable
09.4911.30A
09.4911.14A
Dali Version
09.4911.30BDA
09.4911.14BDA

24° MEDIUM



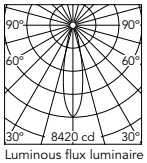
Luminous flux luminaire
2155 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9780	0.43
2	2445	0.86
3	1087	1.28
4	611	1.71
5	391	2.14

4000K - CRI 90
Non Dimmable
09.4917.30C
09.4917.14C
Dali Version
09.4917.30CDA
09.4917.14CDA

24° MEDIUM



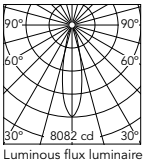
Luminous flux luminaire
1855 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	8420	0.43
2	2105	0.86
3	936	1.28
4	526	1.71
5	337	2.14

3000K - CRI 90
Non Dimmable
09.4914.30C
09.4914.14C
Dali Version
09.4914.30CDA
09.4914.14CDA

24° MEDIUM



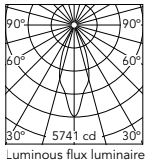
Luminous flux luminaire
1781 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	8082	0.43
2	2020	0.86
3	898	1.28
4	505	1.71
5	323	2.14

3000K - CRI 80
Non Dimmable
09.4912.30A
09.4912.14A
Dali Version
09.4912.30BDA
09.4912.14BDA

37° FLOOD



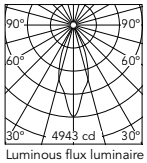
Luminous flux luminaire
2053 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5741	0.67
2	1435	1.34
3	638	2.01
4	359	2.69
5	230	3.36

4000K - CRI 90
Non Dimmable
09.4918.30C
09.4918.14C
Dali Version
09.4918.30CDA
09.4918.14CDA

37° FLOOD



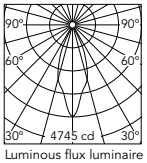
Luminous flux luminaire
1768 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4943	0.67
2	1236	1.34
3	549	2.01
4	309	2.69
5	198	3.36

3000K - CRI 90
Non Dimmable
09.4915.30C
09.4915.14C
Dali Version
09.4915.30CDA
09.4915.14CDA

37° FLOOD



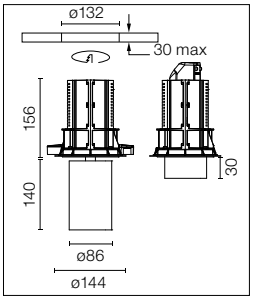
Luminous flux luminaire
1697 lm

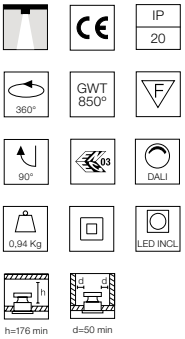
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4745	0.67
2	1186	1.34
3	527	2.01
4	297	2.69
5	190	3.36

Ut Downlight No Trim Ø86

LED Array High Performances
Non Dimming: 27W - 3214 lm - 3000K/CRI 80 / 25,3W - 2656 lm - 3000K/CRI 90 / 25,3W - 2767 lm - 4000K/CRI 90
Dali: 27W - 3214 lm - 3000K/CRI 80 / 26,1W - 2656 lm - 3000K/CRI 90 / 26,1W - 2767 lm - 4000K/CRI 90





LED Einbauleuchte. Fernnetzgerät mit 220-240V, 50-60Hz inbegriffen.

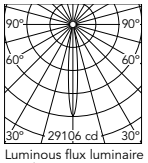
Der Rahmen für das Einbaugehäuse ist getrennt zu bestellen.

Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Pre-installation frame must be ordered separately.

3000K - CRI 80
Non Dimmable
09.4919.30A
09.4919.14A
Dali Version
09.4919.30BDA
09.4919.14BDA

12° SPOT

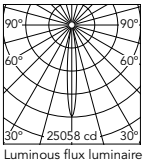


Luminous flux luminaire 2259 lm

Beam Angle: 12°		
h(m)	E(lx)	D(m)
1	29106	0.21
2	7277	0.41
3	3234	0.62
4	1819	0.82
5	1164	1.03

4000K - CRI 90
Non Dimmable
09.4925.30C
09.4925.14C
Dali Version
09.4925.30CDA
09.4925.14CDA

12° SPOT

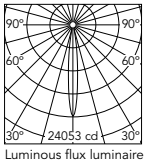


Luminous flux luminaire 1945 lm

Beam Angle: 12°		
h(m)	E(lx)	D(m)
1	25058	0.21
2	6265	0.41
3	2784	0.62
4	1566	0.82
5	1002	1.03

3000K - CRI 90
Non Dimmable
09.4922.30C
09.4922.14C
Dali Version
09.4922.30CDA
09.4922.14CDA

12° SPOT

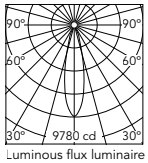


Luminous flux luminaire 1867 lm

Beam Angle: 12°		
h(m)	E(lx)	D(m)
1	24053	0.21
2	6013	0.41
3	2673	0.62
4	1503	0.82
5	962	1.03

3000K - CRI 80
Non Dimmable
09.4920.30A
09.4920.14A
Dali Version
09.4920.30BDA
09.4920.14BDA

24° MEDIUM

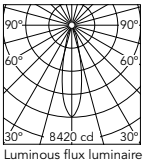


Luminous flux luminaire 2155 lm

Beam Angle: 24°		
h(m)	E(lx)	D(m)
1	9780	0.43
2	2445	0.86
3	1087	1.28
4	611	1.71
5	391	2.14

4000K - CRI 90
Non Dimmable
09.4926.30C
09.4926.14C
Dali Version
09.4926.30CDA
09.4926.14CDA

24° MEDIUM

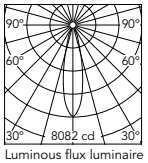


Luminous flux luminaire 1855 lm

Beam Angle: 24°		
h(m)	E(lx)	D(m)
1	8420	0.43
2	2105	0.86
3	936	1.28
4	526	1.71
5	337	2.14

3000K - CRI 90
Non Dimmable
09.4923.30C
09.4923.14C
Dali Version
09.4923.30CDA
09.4923.14CDA

24° MEDIUM

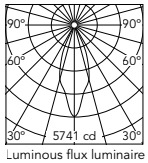


Luminous flux luminaire 1781 lm

Beam Angle: 24°		
h(m)	E(lx)	D(m)
1	8082	0.43
2	2020	0.86
3	898	1.28
4	505	1.71
5	323	2.14

3000K - CRI 80
Non Dimmable
09.4921.30A
09.4921.14A
Dali Version
09.4921.30BDA
09.4921.14BDA

37° FLOOD

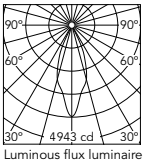


Luminous flux luminaire 2053 lm

Beam Angle: 37°		
h(m)	E(lx)	D(m)
1	5741	0.67
2	1435	1.34
3	638	2.01
4	359	2.69
5	230	3.36

4000K - CRI 90
Non Dimmable
09.4927.30C
09.4927.14C
Dali Version
09.4927.30CDA
09.4927.14CDA

37° FLOOD

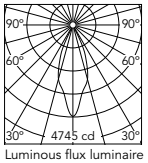


Luminous flux luminaire 1768 lm

Beam Angle: 37°		
h(m)	E(lx)	D(m)
1	4943	0.67
2	1236	1.34
3	549	2.01
4	309	2.69
5	198	3.36

3000K - CRI 90
Non Dimmable
09.4924.30C
09.4924.14C
Dali Version
09.4924.30CDA
09.4924.14CDA

37° FLOOD



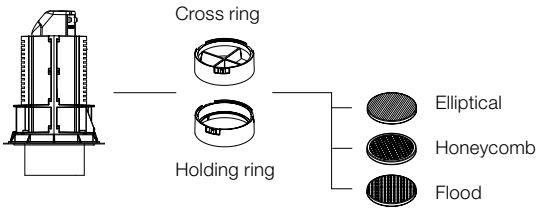
Luminous flux luminaire 1697 lm

Beam Angle: 37°		
h(m)	E(lx)	D(m)
1	4745	0.67
2	1186	1.34
3	527	2.01
4	297	2.69
5	190	3.36

Zubehör / Accessories

Querabschirmung, Linsen und Honeycomb können ohne Befestigungszubehör direkt in den Leuchtenkopf eingesetzt werden.
UT Downlight Ø86: Honeycomb + Linse können gleichzeitig verwendet werden.

Screening crosspiece, lenses and Honeycomb directly installable on the head of the luminaire without needing any fastening accessory.
UT Downlight Ø86: Installation compatible with Honeycomb + Lense at the same time.



UT Downlight Ø57

Rahmen für Einbaugehäuse No Trim. Installation frame No Trim.		08.8994.30 08.8994.14
Querabschirmung Screening crosspiece		08.8429.00
Elliptische linse Elliptical lens		08.8431.00
Floodlinse Flood lens For Spot & Medium optics		08.8432.00
Honeycomb Honeycomb		08.8428.00
Konische Abschirmung Snoot shielding cone	29	08.0526.00 08.0526.40 08.0526.BW

UT Downlight Ø86

Rahmen für Einbaugehäuse No Trim. Installation frame No Trim.		08.8995.30 08.8995.14
Haltering Holding ring		08.8410.00
Querabschirmung Screening crosspiece		08.8411.00
Elliptische linse Elliptical lens		08.8163.68
Floodlinse Flood lens For Spot & Medium optics		08.8175.68
Honeycomb Honeycomb		08.8495.14

LIGHT SUPPLY

DESIGNED BY FLOS ARCHITECTURAL

FIXED
TRIM / NO TRIM

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
29W
3572 lm
3000K/CRI 80
2910 lm
3000K/CRI 90
3164 lm
4000K/CRI 90

ADJUSTABLE
TRIM / NO TRIM

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
30,1W
3772 lm
3000K/CRI 80
2910 lm
3000K/CRI 90
3153 lm
4000K/CRI 90

WALL-WASHER
TRIM / NO TRIM

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33,2W
3959 lm
3000K/CRI 80
3225 lm
3000K/CRI 90
3506 lm
4000K/CRI 90

Light Supply Adjustable

☐ 40 Weiss
40 White

■ 14 Schwarz
14 Black

Light Supply Fixed & Wall-Washer Trim

Außenring / External Ring

☐ Weiss
White

■ Schwarz
Black

Reflektor / Reflector

Aluminium
Aluminium

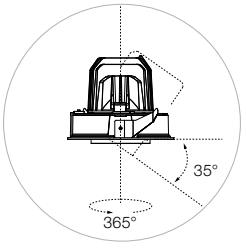
☐ Weiss
White

Aluminium
Aluminium

☐ Weiss
White

Drehbar um 365° und schwenkbar 35°.
Can be rotated 365° and swivelled 35°.

Light Supply Adjustable



Produktbeschreibung
Neue Downlight-Familie, konzipiert für maximalen Lichtfluss in kompaktem Design. 165 mm Durchmesser bieten dank LED-Modulen modernster Technologie bis zu 3000 lm.
Erhältlich in fester, verstellbarer und Wandfluter-Ausführung.
Die verstellbare Ausführung besitzt eine demontierbare zylinderförmige Optikhalterung, die sich einfach aus der Leuchte herausdrehen lässt, so dass die Elektronik voll zugänglich ist und das verfügbare technische Zubehör installiert werden kann.
Weiteres Zubehör in Form von Strahlern mit Spot-, Medium- und Fluter-Optik ermöglicht höchste Flexibilität und nachträgliche Optimierung der Installation, so dass eine veränderte Lichtstrahldimensionierung möglich ist, ohne dass dazu die Halterung von der Decke entfernt werden muss.
Alle No Trim Versionen können in einen Standard-Vormontagerahmen aus Metall oder zum vollkommenen Einbau in eine Gipskartondecke in eine Soft Technology Montageplatte eingebaut werden.

Reflektoren
Durchgehend Reinaluminium mit Spiegel-Finish. Symmetrischer Rundspot: Medium und Fluter für die verstellbare Ausführung, Fluter für die feste Ausführung.

Einspeisung
Kabel enthalten, bereit für Anschluss an mitgelieferte Fernansteuerung.
Versionen ohne Ansteuerung und 1-10V Dimmausführung auf Wunsch erhältlich.

Lichtquelle
Möglichkeit, auf Anfrage einen anderen LED-Typ zu integrieren. Für weitere Informationen kontaktieren Sie bitte unser Team.

Zubehör
Für verstellbare Ausführung:
- Elliptische Verteilerlinse.
- Honeycomb.
-Austauschreflektor für Spot-, Medium- und Fluteroptikausführung.
Für alle No Trim Ausführungen:
- Vormontagerahmen oder Soft Architecture Montageplatte für verstellbare Ausführung.

Zusatzinformationen
Bei den ausrichtbaren Ausführungen: Schwenkwinkel 35° und Drehwinkel 365°.
Schutzgrad IP23, IP44 je nach Modell.
Schutzklasse II.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
New downlight family developed to get a maximum flux in a compact design. 165mm diameter offering up to 3000 lm thanks to latest technology LED modules.
Available in fixed, adjustable and wall-washer version.
Adjustable version features a dismountable optic support cylinder, to be easily unscrewed from the luminaire, in order to completely access the electronic and to install the professional accessories available.
To offer maximum flexibility and installation evolution in time, reflector of spot, medium and flood optic are also available as accessories, to change the light beam dimension without even needing to dismount the fixture from the ceiling.
All Light Supply No Trim versions can be mounted in a standard pre-installation metal frame or, for total integration in plasterboard ceiling, in a Soft Technology installation plate.

Reflectors
All super pure aluminum with specular finish. Circular roto symmetrical spot, medium and flood for the adjustable version, flood for the fixed version.

Power Supply
Cabling included, ready to be powered by included remote driver.
Versions without driver and 1-10V dimmable available on request.

Light Source
Possibility to integrate a different type of LED upon request. For more information, please contact our team.

Accessories
For adjustable version:
- Elliptical distribution lens.
- Honeycomb.
- Spare part of spot, medium, flood optics reflectors.
For all No Trim versions:
- Pre-installation frame or Soft Architecture installation plate for adjustable version.

Additional Information
In the adjustable versions, 35° tilt and 365° rotation.
IP23, IP44 protection grade depending on the versions.
Insulation class II.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Fixed / Adjustable / Wall-Washer Trim

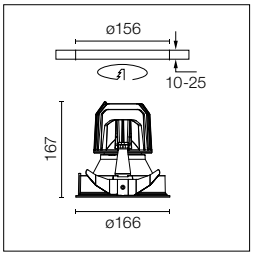
Fixed No Trim

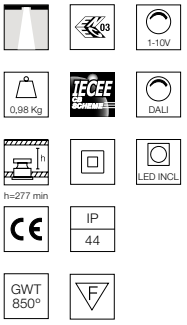
Adjustable No Trim

Wall-Washer No Trim

Light Supply Fixed Trim

LED Array High Performances 29W - 3572 lm - 3000K/CRI 80 / 29W - 2910 lm - 3000K/CRI 90 / 29W - 3164 lm - 4000K/CRI 90





LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten.

E= Außenfarbe
I= Innenfarbe.

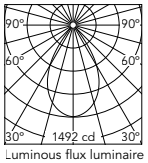
Recessed luminaire with LED light source. Remote 220/240V power supply included.

E= External Finish
I= Internal Finish.

3000K - CRI 90

E I Non Dimmable
03.6811.3BA
03.6811.3CA
E I Dali
03.6811.3BBDA
03.6811.3CADA
E I 1-10V
03.6811.3BA1V

62°



Luminous flux luminaire
1487 lm (EXTREME CUT OFF)

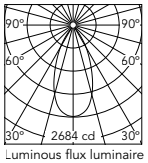
@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1492	1.19
2	373	2.39
3	166	3.58
4	93	4.77
5	60	5.97

E I Non Dimmable
03.6811.1BA
03.6811.1CA
E I Dali
03.6811.1BBDA
03.6811.1CADA
E I 1-10V
03.6811.1BA1V

47°



Luminous flux luminaire
1755 lm (EXTREME CUT OFF)

@Aluminium Reflector

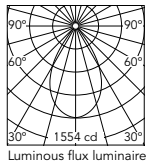
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	2684	0.86
2	671	1.73
3	298	2.59
4	168	3.46
5	107	4.32

4000K - CRI 90

E I Non Dimmable
03.6810.3BA
03.6810.3CA
E I Dali
03.6810.3BBDA
03.6810.3CADA
E I 1-10V
03.6810.3BA1V

62°



Luminous flux luminaire
1549 lm (EXTREME CUT OFF)

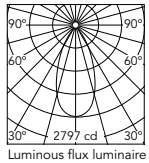
@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1554	1.19
2	389	2.39
3	173	3.58
4	97	4.77
5	62	5.97

E I Non Dimmable
03.6810.1BA
03.6810.1CA
E I Dali
03.6810.1BBDA
03.6810.1CADA
E I 1-10V
03.6810.1BA1V

47°



Luminous flux luminaire
1828 lm (EXTREME CUT OFF)

@Aluminium Reflector

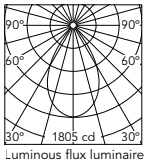
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	2797	0.86
2	699	1.73
3	311	2.59
4	175	3.46
5	112	4.32

3000K - CRI 80

E I Non Dimmable
03.6809.3BA
03.6809.3CA
E I Dali
03.6809.3BBDA
03.6809.3CADA
E I 1-10V
03.6809.3BA1V

62°



Luminous flux luminaire
1799 lm (EXTREME CUT OFF)

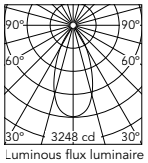
@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1805	1.19
2	451	2.39
3	201	3.58
4	113	4.77
5	72	5.97

E I Non Dimmable
03.6809.1BA
03.6809.1CA
E I Dali
03.6809.1BBDA
03.6809.1CADA
E I 1-10V
03.6809.1BA1V

47°



Luminous flux luminaire
2123 lm (EXTREME CUT OFF)

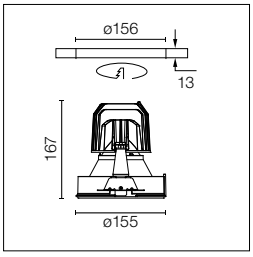
@Aluminium Reflector

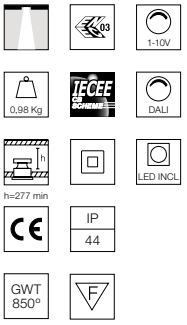
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	3248	0.86
2	812	1.73
3	361	2.59
4	203	3.46
5	130	4.32

Light Supply Fixed No Trim

LED Array High Performances 29W - 3572 lm - 3000K/CRI 80 / 29W - 2910 lm - 3000K/CRI 90 / 29W - 3164 lm - 4000K/CRI 90





Vorinstallationsrahmen. Muss separat bestellt werden.

Pre-installation frame. To be ordered separately.

3000K - CRI 90

Non Dimmable

- 03.6826.40A
- 03.6826.06A

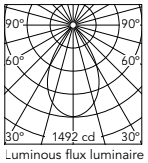
Dali

- 03.6826.40BDA
- 03.6826.06ADA

1-10V

- 03.6826.40A1V

62°



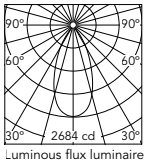
Luminous flux luminaire
1487 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1492	1.19
2	373	2.39
3	166	3.58
4	93	4.77
5	60	5.97

47°



Luminous flux luminaire
1755 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle: 47°

h(m)	E(lx)	D(m)
1	2684	0.86
2	671	1.73
3	298	2.59
4	168	3.46
5	107	4.32

4000K - CRI 90

Non Dimmable

- 03.6825.40A
- 03.6825.06A

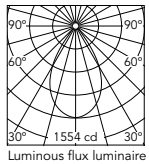
Dali

- 03.6825.40BDA
- 03.6825.06ADA

1-10V

- 03.6825.40A1V

62°



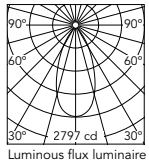
Luminous flux luminaire
1549 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1554	1.19
2	389	2.39
3	173	3.58
4	97	4.77
5	62	5.97

47°



Luminous flux luminaire
1828 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle: 47°

h(m)	E(lx)	D(m)
1	2797	0.86
2	699	1.73
3	311	2.59
4	175	3.46
5	112	4.32

3000K - CRI 80

Non Dimmable

- 03.6824.40A
- 03.6824.06A

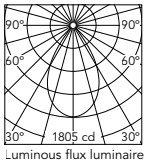
Dali

- 03.6824.40BDA
- 03.6824.06ADA

1-10V

- 03.6824.40A1V

62°



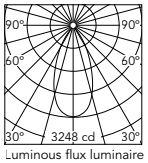
Luminous flux luminaire
1799 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1805	1.19
2	451	2.39
3	201	3.58
4	113	4.77
5	72	5.97

47°



Luminous flux luminaire
2123 lm (EXTREME CUT OFF)

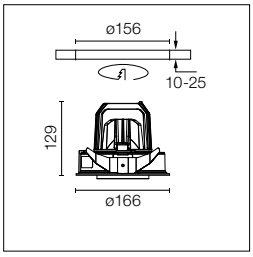
@Aluminium Reflector

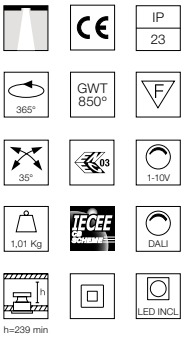
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	3248	0.86
2	812	1.73
3	361	2.59
4	203	3.46
5	130	4.32

Light Supply Adjustable Trim

LED Array High Performances 30,1W - 3772 lm - 3000K CRI 80





LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten.

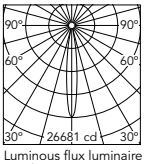
Recessed luminaire with LED light source. Remote 220/240V power supply included.

3000K - CRI 80
Non Dimmable
- ☐ 03.6800.40A
- ■ 03.6800.14A

Dali
- ☐ 03.6800.40BDA
- ■ 03.6800.14BDA

1-10V
- ☐ 03.6800.40A1V
- ■ 03.6800.14A1V

13°
SPOT



Luminous flux luminaire
2208 lm (EXTREME CUT OFF)

Beam Angle: 13°

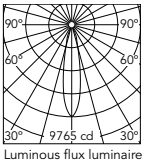
h(m)	E(lx)	D(m)
1	26681	0.23
2	6670	0.46
3	2965	0.69
4	1668	0.92
5	1067	1.15

3000K - CRI 80
Non Dimmable
- ☐ 03.6801.40A
- ■ 03.6801.14A

Dali
- ☐ 03.6801.40BDA
- ■ 03.6801.14BDA

1-10V
- ☐ 03.6801.40A1V
- ■ 03.6801.14A1V

21°
MEDIUM



Luminous flux luminaire
1777 lm (EXTREME CUT OFF)

Beam Angle: 21°

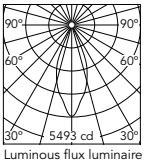
h(m)	E(lx)	D(m)
1	9765	0.37
2	2441	0.75
3	1085	1.12
4	610	1.49
5	391	1.87

3000K - CRI 80
Non Dimmable
- ☐ 03.6802.40A
- ■ 03.6802.14A

Dali
- ☐ 03.6802.40BDA
- ■ 03.6802.14BDA

1-10V
- ☐ 03.6802.40A1V
- ■ 03.6802.14A1V

39°
FLOOD



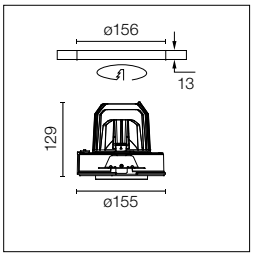
Luminous flux luminaire
1960 lm (EXTREME CUT OFF)

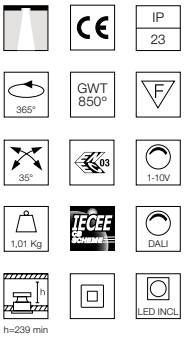
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	5493	0.71
2	1373	1.42
3	610	2.14
4	343	2.85
5	220	3.56

Light Supply Adjustable No Trim

LED Array High Performances 30,1W - 3772 lm - 3000K CRI 80





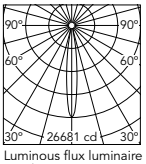
Vormontagerahmen oder Soft Architecture Montageplatte für No Trim Ausführung. Muss separat bestellt werden.

Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

3000K - CRI 80
Non Dimmable
- ☐ 03.6815.40A
- ■ 03.6815.14A

Dali
- ☐ 03.6815.40BDA
- ■ 03.6815.14BDA

1-10V
- ☐ 03.6815.40A1V
- ■ 03.6815.14A1V



Luminous flux luminaire
2208 lm (EXTREME CUT OFF)

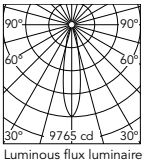
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	26681	0.23
2	6670	0.46
3	2965	0.69
4	1668	0.92
5	1067	1.15

3000K - CRI 80
Non Dimmable
- ☐ 03.6816.40A
- ■ 03.6816.14A

Dali
- ☐ 03.6816.40BDA
- ■ 03.6816.14BDA

1-10V
- ☐ 03.6816.40A1V
- ■ 03.6816.14A1V



Luminous flux luminaire
1777 lm (EXTREME CUT OFF)

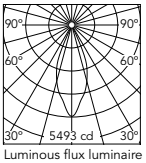
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	9765	0.37
2	2441	0.75
3	1085	1.12
4	610	1.49
5	391	1.87

3000K - CRI 80
Non Dimmable
- ☐ 03.6817.40A
- ■ 03.6817.14A

Dali
- ☐ 03.6817.40BDA
- ■ 03.6817.14BDA

1-10V
- ☐ 03.6817.40A1V
- ■ 03.6817.14A1V



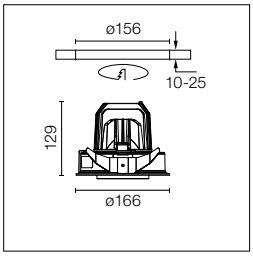
Luminous flux luminaire
1960 lm (EXTREME CUT OFF)

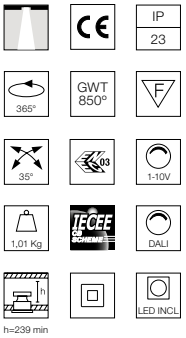
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	5493	0.71
2	1373	1.42
3	610	2.14
4	343	2.85
5	220	3.56

Light Supply Adjustable Trim

LED Array High Performances 30,1W - 2910 lm - 3000K/CRI 90 / 30,1W - 3153 lm - 4000K/CRI 90





LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten.

Recessed luminaire with LED light source. Remote 220/240V power supply included.

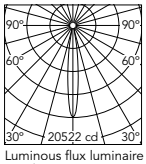
3000K - CRI 90

Non Dimmable
- ☐ 03.6806.40A
- ■ 03.6806.14A

Dali
- ☐ 03.6806.40BDA
- ■ 03.6806.14BDA

1-10V
- ☐ 03.6806.40A1V
- ■ 03.6806.14A1V

13° SPOT



Luminous flux luminaire
1698 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	20522	0.23
2	5131	0.46
3	2280	0.69
4	1283	0.92
5	821	1.15

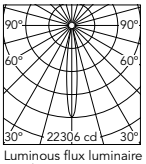
4000K - CRI 90

Non Dimmable
- ☐ 03.6803.40A
- ■ 03.6803.14A

Dali
- ☐ 03.6803.40BDA
- ■ 03.6803.14BDA

1-10V
- ☐ 03.6803.40A1V
- ■ 03.6803.14A1V

13° SPOT



Luminous flux luminaire
1846 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	22306	0.23
2	5576	0.46
3	2478	0.69
4	1394	0.92
5	892	1.15

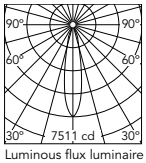
3000K - CRI 90

Non Dimmable
- ☐ 03.6807.40A
- ■ 03.6807.14A

Dali
- ☐ 03.6807.40BDA
- ■ 03.6807.14BDA

1-10V
- ☐ 03.6807.40A1V
- ■ 03.6807.14A1V

21° MEDIUM



Luminous flux luminaire
1367 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	7511	0.37
2	1878	0.75
3	835	1.12
4	469	1.49
5	300	1.87

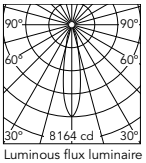
4000K - CRI 90

Non Dimmable
- ☐ 03.6804.40A
- ■ 03.6804.14A

Dali
- ☐ 03.6804.40BDA
- ■ 03.6804.14BDA

1-10V
- ☐ 03.6804.40A1V
- ■ 03.6804.14A1V

21° MEDIUM



Luminous flux luminaire
1486 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	8164	0.37
2	2041	0.75
3	907	1.12
4	510	1.49
5	327	1.87

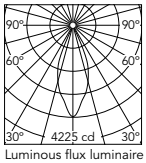
3000K - CRI 90

Non Dimmable
- ☐ 03.6808.40A
- ■ 03.6808.14A

Dali
- ☐ 03.6808.40BDA
- ■ 03.6808.14BDA

1-10V
- ☐ 03.6808.40A1V
- ■ 03.6808.14A1V

39° FLOOD



Luminous flux luminaire
1508 lm (EXTREME CUT OFF)

Beam Angle: 39°

h(m)	E(lx)	D(m)
1	4225	0.71
2	1056	1.42
3	469	2.14
4	264	2.85
5	169	3.56

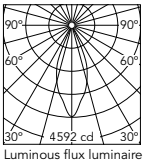
4000K - CRI 90

Non Dimmable
- ☐ 03.6805.40A
- ■ 03.6805.14A

Dali
- ☐ 03.6805.40BDA
- ■ 03.6805.14BDA

1-10V
- ☐ 03.6805.40A1V
- ■ 03.6805.14A1V

39° FLOOD



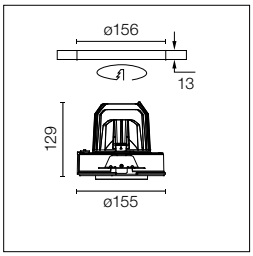
Luminous flux luminaire
1639 lm (EXTREME CUT OFF)

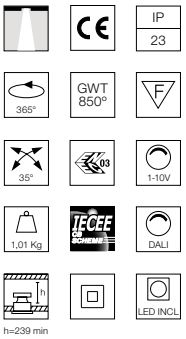
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	4592	0.71
2	1148	1.42
3	510	2.14
4	287	2.85
5	184	3.56

Light Supply Adjustable No Trim

LED Array High Performances 30,1W - 2910 lm - 3000K/CRI 90 / 30,1W - 3153 lm - 4000K/CRI 90





Vormontagerahmen oder Soft Architecture Montageplatte für No Trim Ausführung. Muss separat bestellt werden.

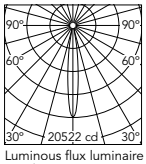
Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

3000K - CRI 90
Non Dimmable
- ☐ 03.6821.40A
- ■ 03.6821.14A

Dali
- ☐ 03.6821.40BDA
- ■ 03.6821.14BDA

1-10V
- ☐ 03.6821.40A1V
- ■ 03.6821.14A1V

13° SPOT



Luminous flux luminaire
1698 lm [EXTREME CUT OFF]

Beam Angle: 13°

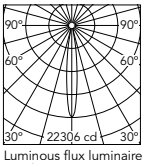
h(m)	E(lx)	D(m)
1	20522	0.23
2	5131	0.46
3	2280	0.69
4	1283	0.92
5	821	1.15

4000K - CRI 90
Non Dimmable
- ☐ 03.6818.40A
- ■ 03.6818.14A

Dali
- ☐ 03.6818.40BDA
- ■ 03.6818.14BDA

1-10V
- ☐ 03.6818.40A1V
- ■ 03.6818.14A1V

13° SPOT



Luminous flux luminaire
1846 lm [EXTREME CUT OFF]

Beam Angle: 13°

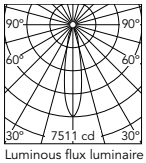
h(m)	E(lx)	D(m)
1	22306	0.23
2	5576	0.46
3	2478	0.69
4	1394	0.92
5	892	1.15

3000K - CRI 90
Non Dimmable
- ☐ 03.6822.40A
- ■ 03.6822.14A

Dali
- ☐ 03.6822.40BDA
- ■ 03.6822.14BDA

1-10V
- ☐ 03.6822.40A1V
- ■ 03.6822.14A1V

21° MEDIUM



Luminous flux luminaire
1367 lm [EXTREME CUT OFF]

Beam Angle: 21°

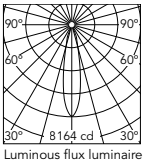
h(m)	E(lx)	D(m)
1	7511	0.37
2	1878	0.75
3	835	1.12
4	469	1.49
5	300	1.87

4000K - CRI 90
Non Dimmable
- ☐ 03.6819.40A
- ■ 03.6819.14A

Dali
- ☐ 03.6819.40BDA
- ■ 03.6819.14BDA

1-10V
- ☐ 03.6819.40A1V
- ■ 03.6819.14A1V

21° MEDIUM



Luminous flux luminaire
1486 lm [EXTREME CUT OFF]

Beam Angle: 21°

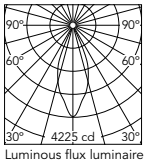
h(m)	E(lx)	D(m)
1	8164	0.37
2	2041	0.75
3	907	1.12
4	510	1.49
5	327	1.87

3000K - CRI 90
Non Dimmable
- ☐ 03.6823.40A
- ■ 03.6823.14A

Dali
- ☐ 03.6823.40BDA
- ■ 03.6823.14BDA

1-10V
- ☐ 03.6823.40A1V
- ■ 03.6823.14A1V

39° FLOOD



Luminous flux luminaire
1508 lm [EXTREME CUT OFF]

Beam Angle: 39°

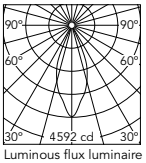
h(m)	E(lx)	D(m)
1	4225	0.71
2	1056	1.42
3	469	2.14
4	264	2.85
5	169	3.56

4000K - CRI 90
Non Dimmable
- ☐ 03.6820.40A
- ■ 03.6820.14A

Dali
- ☐ 03.6820.40BDA
- ■ 03.6820.14BDA

1-10V
- ☐ 03.6820.40A1V
- ■ 03.6820.14A1V

39° FLOOD



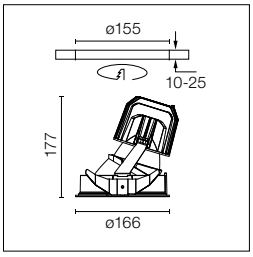
Luminous flux luminaire
1639 lm [EXTREME CUT OFF]

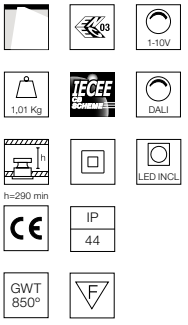
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	4592	0.71
2	1148	1.42
3	510	2.14
4	287	2.85
5	184	3.56

Light Supply Wall-Washer Trim

LED Array High Performances 33,2W - 3959 lm - 3000K/CRI 80 / 33,2W - 3225 lm - 3000K/CRI 90 / 33,2W - 3506 lm - 4000K/CRI 90





LED Einbauleuchte. Fernnetzgerät mit 220/240V im Lieferumfang enthalten.

E= Außenfarbe
I= Innenfarbe.

Recessed luminaire with LED light source. Remote 220/240V power supply included.

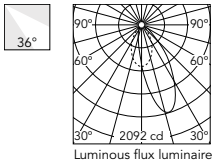
E= External Finish
I= Internal Finish.

3000K - CRI 90

E I Non Dimmable
03.6814.3BA
03.6814.3CA

E I Dali
03.6814.3BBDA
03.6814.3CBDA

E I 1-10V
03.6814.3BA1V
03.6814.3CA1V



Luminous flux luminaire
1771 lm (EXTREME CUT OFF)

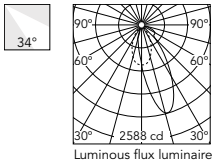
@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2092	0.74
2	523	1.48
3	232	2.22
4	131	2.95
5	84	3.69

E I Non Dimmable
03.6814.1BA
03.6814.1CA

E I Dali
03.6814.1BBDA
03.6814.1CBDA

E I 1-10V
03.6814.1BA1V
03.6814.1CA1V



Luminous flux luminaire
1909 lm (EXTREME CUT OFF)

@Aluminium Reflector

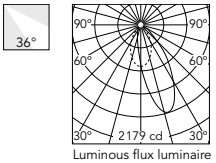
Beam Angle:	34°
h(m)	E(lx)	D(m)
1	2588	0.67
2	647	1.35
3	288	2.02
4	162	2.69
5	104	3.37

4000K - CRI 90

E I Non Dimmable
03.6813.3BA
03.6813.3CA

E I Dali
03.6813.3BBDA
03.6813.3CBDA

E I 1-10V
03.6813.3BA1V
03.6813.3CA1V



Luminous flux luminaire
1845 lm (EXTREME CUT OFF)

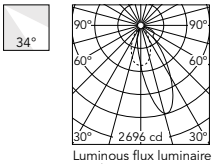
@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2179	0.74
2	545	1.48
3	242	2.22
4	136	2.95
5	87	3.69

E I Non Dimmable
03.6813.1BA
03.6813.1CA

E I Dali
03.6813.1BBDA
03.6813.1CBDA

E I 1-10V
03.6813.1BA1V
03.6813.1CA1V



Luminous flux luminaire
1989 lm (EXTREME CUT OFF)

@Aluminium Reflector

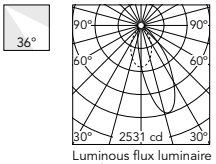
Beam Angle:	34°
h(m)	E(lx)	D(m)
1	2696	0.67
2	674	1.35
3	300	2.02
4	168	2.69
5	108	3.37

3000K - CRI 80

E I Non Dimmable
03.6812.3BA
03.6812.3CA

E I Dali
03.6812.3BBDA
03.6812.3CBDA

E I 1-10V
03.6812.3BA1V
03.6812.3CA1V



Luminous flux luminaire
2142 lm (EXTREME CUT OFF)

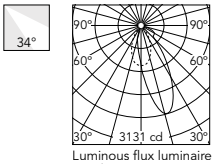
@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2531	0.74
2	633	1.48
3	281	2.22
4	158	2.95
5	101	3.69

E I Non Dimmable
03.6812.1BA
03.6812.1CA

E I Dali
03.6812.1BBDA
03.6812.1CBDA

E I 1-10V
03.6812.1BA1V
03.6812.1CA1V



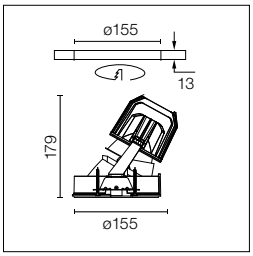
Luminous flux luminaire
2310 lm (EXTREME CUT OFF)

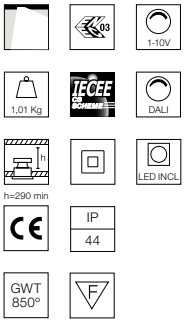
@Aluminium Reflector

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	3131	0.67
2	783	1.35
3	348	2.02
4	196	2.69
5	125	3.37

Light Supply Wall-Washer No Trim

LED Array High Performances 33,2W - 3959 lm - 3000K/CRI 80 / 33,2W - 3225 lm - 3000K/CRI 90 / 33,2W - 3506 lm - 4000K/CRI 90





Vorinstallationsrahmen. Muss separat bestellt werden.

Pre-installation frame. To be ordered separately.

3000K - CRI 90

Non Dimmable

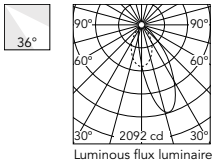
- 03.6829.40A
- 03.6829.06A

Dali

- 03.6829.40BDA
- 03.6829.06BDA

1-10V

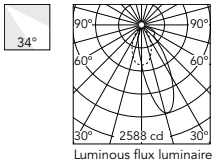
- 03.6829.40A1V
- 03.6829.06A1V



Luminous flux luminaire
1771 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2092	0.74
2	523	1.48
3	232	2.22
4	131	2.95
5	84	3.69



Luminous flux luminaire
1909 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	2588	0.67
2	647	1.35
3	288	2.02
4	162	2.69
5	104	3.37

4000K - CRI 90

Non Dimmable

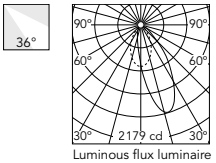
- 03.6828.40A
- 03.6828.06A

Dali

- 03.6828.40BDA
- 03.6828.06BDA

1-10V

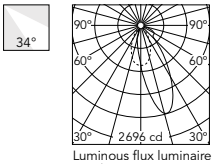
- 03.6828.40A1V
- 03.6828.06A1V



Luminous flux luminaire
1845 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2179	0.74
2	545	1.48
3	242	2.22
4	136	2.95
5	87	3.69



Luminous flux luminaire
1989 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	2696	0.67
2	674	1.35
3	300	2.02
4	168	2.69
5	108	3.37

3000K - CRI 80

Non Dimmable

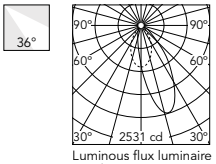
- 03.6827.40A
- 03.6827.06A

Dali

- 03.6827.40BDA
- 03.6827.06BDA

1-10V

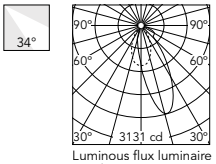
- 03.6827.40A1V
- 03.6827.06A1V



Luminous flux luminaire
2142 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2531	0.74
2	633	1.48
3	281	2.22
4	158	2.95
5	101	3.69



Luminous flux luminaire
2310 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	3131	0.67
2	783	1.35
3	348	2.02
4	196	2.69
5	125	3.37

Zubehör / Accessories

Vormontagerahmen.

Pre-installation frame.

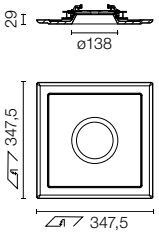
Adjustable No Trim
08.8119.00

Fixed No Trim
08.8359.00

Wall-Washer No Trim
08.8137.00

Soft Architecture Montageplatte für Einbau in Gipskartonflächen.

Soft Architecture installation plate for integration in plasterboard.



Adjustable No Trim
SA.6600.1

Zubehör / Accessories

For LED Array

Austauschreflektor für verstellbare Lichtquelle.	Light Supply Adjustable spare reflector.		Spot 08.8450.00 Medium 08.8451.00 Flood 08.8452.00
Querabschirmung.	Screening crosspiece.		08.8242.14
Elliptische linse.	Elliptical lens.		08.8118.68
Honeycomb.	Honeycomb.		Große Zellen/Big Cells 08.8377.14
Hoch effizienter zylinder.	Highly-efficient cylinder.		08.8453.40 08.8453.14

WAN DOWNLIGHT

DESIGNED BY JOHANNA GRAWUNDER

LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80

LIGHT SOURCE
LED
QT-14
G9

30 Weiss
30 White

05 Polished Silver
05 Polished Silver

14 Schwarz
14 Black

GN Grün
GN Green

Produktbeschreibung
Deckeneinbauleuchte mit direktem Licht. Halterring aus Aluminium in folgenden Ausführungen: Verchromt, glänzend weiß, glänzend grün und glänzend schwarz. Abblendschirm.
Die Leuchte verfügt über zwei verschiedene Schließringe, glänzend grün und glänzend schwarz, zur Befestigung des gehärteten Sicherheitsglases.

Reflektoren
Sandgestrahlter, chemisch gebleichter Reflektor.

Betriebsgerät
Vorverkabelung zum Anschluss eines externen Betriebsgeräts inbegriffen.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Zusatzinformationen
Schutzgrad IP44.
Schutzklasse II, III je nach Modell.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Ceiling recessed luminary providing direct light. Aluminum ring, available in chrome, shiny white, enameled green, and shiny black finishes. Low glare shield.
Provided by two different ring due to fix the safety tempered glass, in shiny black and enameled green.

Reflectors
Sanded and chemically bleached aluminum reflector.

Power Supply
Pre-wiring included; ready for remote power supply.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

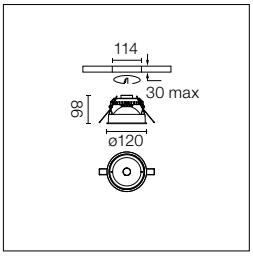
Additional Information
IP44 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

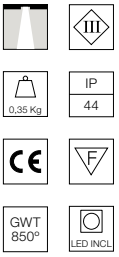
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Wan Downlight

LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80





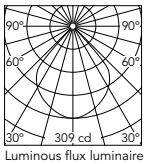
LED Einbauleuchte. Ohne Netzgerät. Recessed luminaire with LED light source. Power supply not included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

- 03.6154.30A
- 03.6154.05A
- 03.6154.14A
- 03.6154.GNA



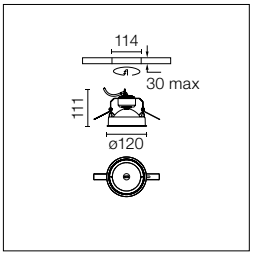
Luminous flux luminaire 436 lm

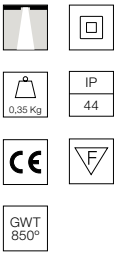
Beam Angle: 83°

h(m)	E(lx)	D(m)
1	309	1.77
2	77	3.55
3	34	5.32
4	19	7.09
5	12	8.87

Wan Downlight

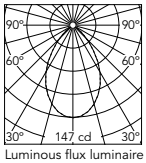
LED QT-14 G9





Einbauleuchte für Netzspannung. Recessed luminaire with main voltage source.

- 03.6150.30
- 03.6150.05
- 03.6150.14
- 03.6150.GN

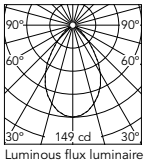


Luminous flux luminaire 460 lm

@Black Ring

Beam Angle: 68°

h(m)	E(lx)	D(m)
1	147	1.35
2	37	2.70
3	16	4.05
4	9	5.40
5	6	6.75



Luminous flux luminaire 460 lm

@Green Ring

Beam Angle: 69°

h(m)	E(lx)	D(m)
1	149	1.38
2	37	2.75
3	17	4.13
4	9	5.50
5	6	6.88

JOHNNY

DESIGNED BY FLOS ARCHITECTURAL

JOHNNY 80
TRIM / NO TRIM
1L ROUND
1L/2L SQUARE

LIGHT SOURCE
POWER LED
6,2W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

JOHNNY 80
SEMI-RECESSED
1L/2L SQUARE

LIGHT SOURCE
POWER LED
6,2W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

JOHNNY 120
TRIM / NO TRIM
1L ROUND
1L/2L SQUARE

LIGHT SOURCE
LED ARRAY HIGH PERFORMANCE
20W
2049 lm
2700K/CRI 90
2183 lm
3000K/CRI 90

JOHNNY 120
SEMI-RECESSED
1L/2L SQUARE

LIGHT SOURCE
LED ARRAY
18W
1770 lm
2700K/CRI 90
1870 lm
3000K/CRI 90

Johnny 80
Trim / No Trim

☐ 40 Weiss
40 White

■ 14 Schwarz
14 Black

Johnny 120
Trim

☐ Weiss
White

■ Schwarz
Black

Johnny 120
No Trim

■ Schwarz
Black

Innen / Inside

☐ Weiss
White

■ Schwarz
Black

Außen / Outside

☐ 40 Weiss
40 White

CE Zement
CE Concrete

TK Teak-Holz
TK Teak

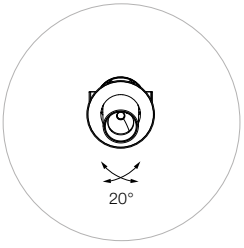
■ 14 Schwarz
14 Black

Johnny 80 Semi-Recessed

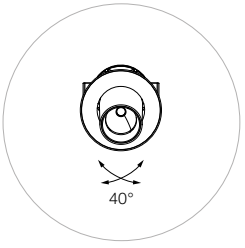
Johnny 120 Semi-Recessed

Ist bis in alle Richtungen hin schwenkbar.
Can be rotated in any direction.

Johnny 80



Johnny 120



Produktbeschreibung
Beleuchtungssystem mit einem oder zwei verstellbaren Strahlern als Einbaumodell (Trim und No Trim) und Halbeinbaumodell für die Deckenmontage.
Erhältlich in zwei Größen: 80 mm und 120 mm in runder und quadratischer Ausführung.
Exklusives, leicht zu befestigendes Ausrichtungssystem ermöglicht die präzise Ausrichtung des Lichtstrahls.

Betriebsgerät
Gleichstrom-Netzgerät mit 220/240 V Fernansteuerung nicht inbegriffen.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Zubehör
Johnny 80:
- Querabschirmung und Honeycomb mitgeliefert
Johnny 120:
- Querabschirmung
- Honeycomb
- Elliptische Linse
- Floodlinse

Zusatzinformationen
Im Modell Johnny 80 ist das Ausrichtungssystem im Teleskopgehäuse eingebaut.
Schutzgrad IP20.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Illumination system consisting of one or two adjustable lights, in the embedded version (Trim and No Trim) and semi-embedded version to be installed on the ceiling.
Available in two sizes: 80 mm and 120 mm in round and square versions.
An exclusive, easy and adjustable system that enables an accurate adjustment of the light beam.

Power Supply
Remote constant power supply 220/240V not included.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Accessories
Johnny 80:
- Screening crosspiece and honeycomb included in the product
Johnny 120:
- Screening crosspiece
- Honeycomb
- Elliptical lens
- Flood lens

Additional Information
The Johnny 80 version has a orientation system integrated into the telescopic body.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

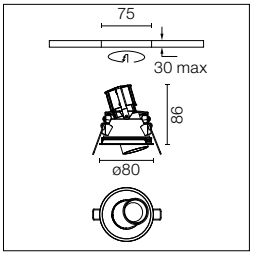
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

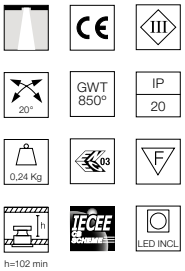
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Johnny 80 1L Trim | Johnny 80 1L No Trim | Johnny 80 2L Trim | Johnny 80 2L No Trim | Johnny 80 Semi-Recessed | Johnny 120 Trim | Johnny 120 No Trim | Johnny 120 Semi-Recessed

Johnny Ø80 Trim 1L Round

Power LED
Without accessories: DC 500 mA - 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 5,5W - 505 lm - 2700K/CRI 90 / 5,5W - 540 lm - 3000K/CRI 90

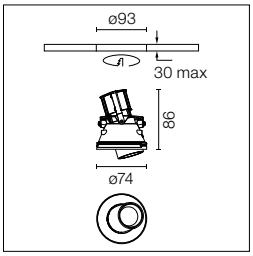




LED Einbauleuchte. Ohne Netzgerät. Recessed luminaire with LED light source. Power supply not included.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter). Accessories included (honeycomb and screening crosspiece).

Johnny Ø80 No Trim 1L Round



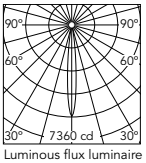
Empfohlene Netzgeräte / Recommended power supply*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9467
Casambi	60.9207	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 03.0701.40A
- 03.0701.14A
- 03.0701.40ANT
- 03.0701.14ANT

11° SPOT



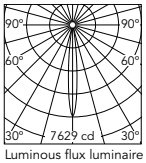
Luminous flux luminaire
385 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

3000K
- 03.0700.40A
- 03.0700.14A
- 03.0700.40ANT
- 03.0700.14ANT

11° SPOT



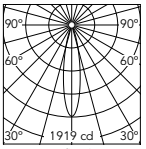
Luminous flux luminaire
399 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

2700K
- 03.0705.40A
- 03.0705.14A
- 03.0705.40ANT
- 03.0705.14ANT

21° MEDIUM



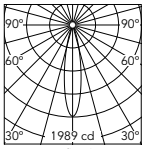
Luminous flux luminaire
359 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

3000K
- 03.0704.40A
- 03.0704.14A
- 03.0704.40ANT
- 03.0704.14ANT

21° MEDIUM



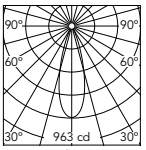
Luminous flux luminaire
373 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

2700K
- 03.0709.40A
- 03.0709.14A
- 03.0709.40ANT
- 03.0709.14ANT

31° FLOOD



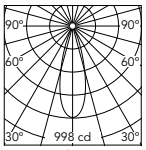
Luminous flux luminaire
300 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

3000K
- 03.0708.40A
- 03.0708.14A
- 03.0708.40ANT
- 03.0708.14ANT

31° FLOOD



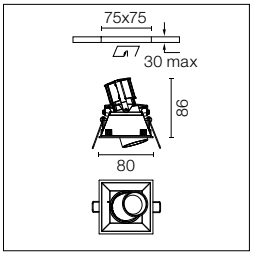
Luminous flux luminaire
311 lm (EXTREME CUT OFF)

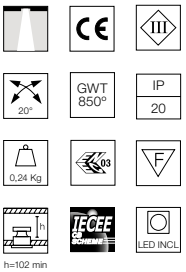
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Trim 1L Square

Power LED
Without accessories: DC 500 mA - 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 5,5W - 505 lm - 2700K/CRI 90 / 5,5W - 540 lm - 3000K/CRI 90

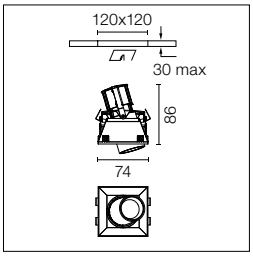




LED Einbauleuchte. Ohne Netzgerät. Recessed luminaire with LED light source. Power supply not included.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter). Accessories included (honeycomb and screening crosspiece).

Johnny 80 No Trim 1L Square

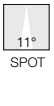


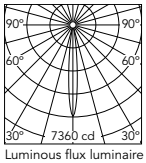
Empfohlene Netzgeräte / Recommended power supply*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9467
Casambi	60.9207	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 03.0703.40A
- 03.0703.14A
- 03.0703.40ANT
- 03.0703.14ANT



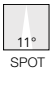


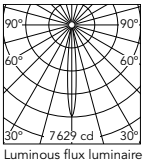
Luminous flux luminaire
385 lm [EXTREME CUT OFF]

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

3000K
- 03.0702.40A
- 03.0702.14A
- 03.0702.40ANT
- 03.0702.14ANT



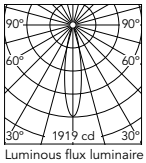


Luminous flux luminaire
399 lm [EXTREME CUT OFF]

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

2700K
- 03.0707.40A
- 03.0707.14A
- 03.0707.40ANT
- 03.0707.14ANT

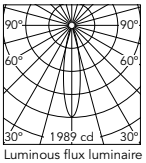


Luminous flux luminaire
359 lm [EXTREME CUT OFF]

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

3000K
- 03.0706.40A
- 03.0706.14A
- 03.0706.40ANT
- 03.0706.14ANT

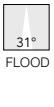


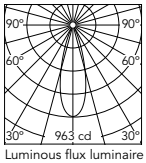
Luminous flux luminaire
373 lm [EXTREME CUT OFF]

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

2700K
- 03.0711.40A
- 03.0711.14A
- 03.0711.40ANT
- 03.0711.14ANT



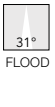


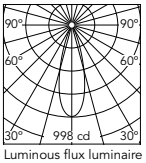
Luminous flux luminaire
300 lm [EXTREME CUT OFF]

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

3000K
- 03.0710.40A
- 03.0710.14A
- 03.0710.40ANT
- 03.0710.14ANT





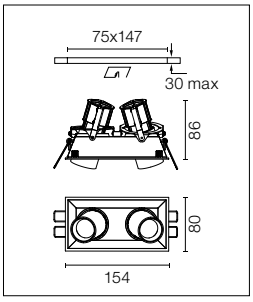
Luminous flux luminaire
311 lm [EXTREME CUT OFF]

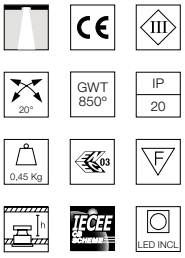
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Trim 2L Square

Power LED
Without accessories: 500 mA - 2x6,2W - 2x560 lm - 2700K/CRI 90 / 2x6,2W - 2x600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 2x5,5W - 2x505 lm - 2700K/CRI 90 / 2x5,5W - 2x540 lm - 3000K/CRI 90





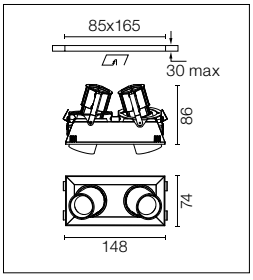
LED Einbauleuchte. Ohne Netzgerät. Für jeden Optikkörper ist ein Netzgerät erforderlich.

Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

Accessories included (honeycomb and screening crosspiece).

Johnny 80 No Trim 2L Square



Vorinstallationsrahmen. Muss separat bestellt werden.

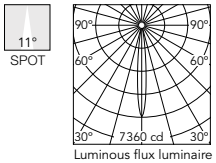
Pre-installation frame. To be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9467
Casambi	60.9207	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 03.0713.40A
- 03.0713.14A
- 03.0713.40ANT
- 03.0713.14ANT

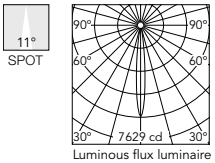


Luminous flux luminaire
385 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

3000K
- 03.0712.40A
- 03.0712.14A
- 03.0712.40ANT
- 03.0712.14ANT

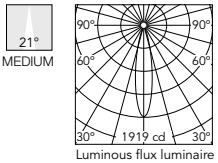


Luminous flux luminaire
399 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

2700K
- 03.0715.40A
- 03.0715.14A
- 03.0715.40ANT
- 03.0715.14ANT

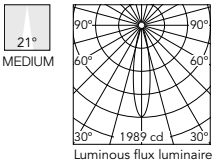


Luminous flux luminaire
359 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

3000K
- 03.0714.40A
- 03.0714.14A
- 03.0714.40ANT
- 03.0714.14ANT

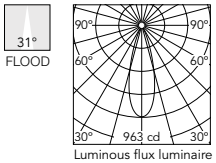


Luminous flux luminaire
373 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

2700K
- 03.0717.40A
- 03.0717.14A
- 03.0717.40ANT
- 03.0717.14ANT

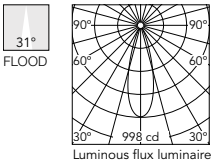


Luminous flux luminaire
300 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

3000K
- 03.0716.40A
- 03.0716.14A
- 03.0716.40ANT
- 03.0716.14ANT



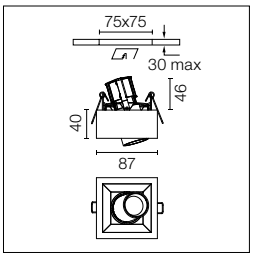
Luminous flux luminaire
311 lm (EXTREME CUT OFF)

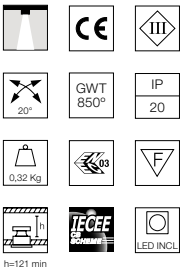
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Semi-Recessed 1L Square

Power LED
Without accessories: DC 500 mA - 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 5,5W - 505 lm - 2700K/CRI 90 / 5,5W - 540 lm - 3000K/CRI 90





LED Halbeinbauleuchte. Ohne Netzgerät.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

E= Außenfarbe
I= Innenfarbe

Semi-recessed luminaire with LED light source. Power supply not included.

Accessories included (honeycomb and screening crosspiece).

E= External Finish
I= Internal Finish

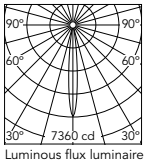
Empfohlene Netzgeräte / Recommended power supply*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9467
Casambi	60.9207	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

E I **2700K**
03.0761.40A
03.0761.CEA
03.0761.TKA
03.0761.14A
E I
03.0719.40A
03.0719.CEA
03.0719.TKA
03.0719.14A

11° SPOT



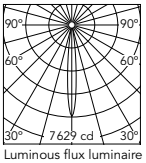
Luminous flux luminaire
385 lm [EXTREME CUT OFF]

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

E I **3000K**
03.0760.40A
03.0760.CEA
03.0760.TKA
03.0760.14A
E I
03.0718.40A
03.0718.CEA
03.0718.TKA
03.0718.14A

11° SPOT



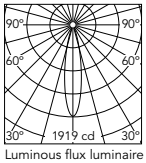
Luminous flux luminaire
399 lm [EXTREME CUT OFF]

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

E I **2700K**
03.0763.40A
03.0763.CEA
03.0763.TKA
03.0763.14A
E I
03.0721.40A
03.0721.CEA
03.0721.TKA
03.0721.14A

21° MEDIUM



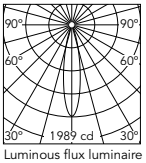
Luminous flux luminaire
359 lm [EXTREME CUT OFF]

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

E I **3000K**
03.0762.40A
03.0762.CEA
03.0762.TKA
03.0762.14A
E I
03.0720.40A
03.0720.CEA
03.0720.TKA
03.0720.14A

21° MEDIUM



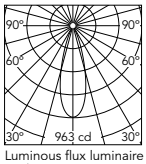
Luminous flux luminaire
373 lm [EXTREME CUT OFF]

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

E I **2700K**
03.0765.40A
03.0765.CEA
03.0765.TKA
03.0765.14A
E I
03.0723.40A
03.0723.CEA
03.0723.TKA
03.0723.14A

31° FLOOD



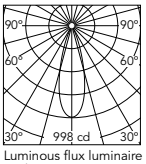
Luminous flux luminaire
300 lm [EXTREME CUT OFF]

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

E I **3000K**
03.0764.40A
03.0764.CEA
03.0764.TKA
03.0764.14A
E I
03.0722.40A
03.0722.CEA
03.0722.TKA
03.0722.14A

31° FLOOD



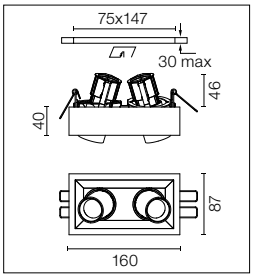
Luminous flux luminaire
311 lm [EXTREME CUT OFF]

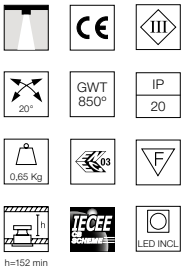
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Semi-Recessed 2L Square

Power LED
Without accessories: 500 mA - 2x6,2W - 2x560 lm - 2700K/CRI 90 / 2x6,2W - 2x600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 2x5,5W - 2x505 lm - 2700K/CRI 90 / 2x5,5W - 2x540 lm - 3000K/CRI 90





LED Halbeinbauleuchte. Ohne Netzgerät. Für jeden Optikkörper ist ein Netzgerät erforderlich.

Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).

E= Außenfarbe
I= Innenfarbe

Semi-recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Accessories included (honeycomb and screening crosspiece).

E= External Finish
I= Internal Finish

Empfohlene Netzgeräte / Recommended power supply*:

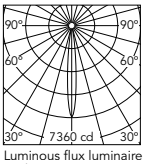
	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9467
Casambi	60.9207	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

E I **2700K**
03.0771.40A
03.0771.CEA
03.0771.TKA
03.0771.14A

E I
03.0731.40A
03.0731.CEA
03.0731.TKA
03.0731.14A

11° SPOT



Luminous flux luminaire
385 lm (EXTREME CUT OFF)

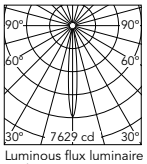
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

E I **3000K**
03.0770.40A
03.0770.CEA
03.0770.TKA
03.0770.14A

E I
03.0730.40A
03.0730.CEA
03.0730.TKA
03.0730.14A

11° SPOT



Luminous flux luminaire
399 lm (EXTREME CUT OFF)

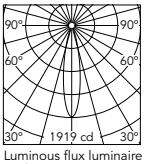
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

E I **2700K**
03.0773.40A
03.0773.CEA
03.0773.TKA
03.0773.14A

E I
03.0733.40A
03.0733.CEA
03.0733.TKA
03.0733.14A

21° MEDIUM



Luminous flux luminaire
359 lm (EXTREME CUT OFF)

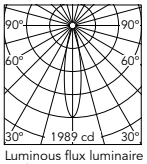
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

E I **3000K**
03.0772.40A
03.0772.CEA
03.0772.TKA
03.0772.14A

E I
03.0732.40A
03.0732.CEA
03.0732.TKA
03.0732.14A

21° MEDIUM



Luminous flux luminaire
373 lm (EXTREME CUT OFF)

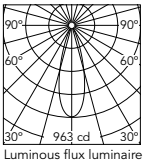
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

E I **2700K**
03.0775.40A
03.0775.CEA
03.0775.TKA
03.0775.14A

E I
03.0735.40A
03.0735.CEA
03.0735.TKA
03.0735.14A

31° FLOOD



Luminous flux luminaire
300 lm (EXTREME CUT OFF)

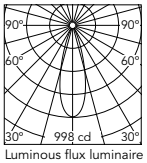
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

E I **3000K**
03.0774.40A
03.0774.CEA
03.0774.TKA
03.0774.14A

E I
03.0734.40A
03.0734.CEA
03.0734.TKA
03.0734.14A

31° FLOOD



Luminous flux luminaire
311 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Zubehör / Accessories

Johnny 80 No Trim 1L

Installationsrahmen No Trim.
Johnny ø80.

Installation frame No Trim.
Johnny ø80.

Johnny ø80 Round
☐ 08.9102.00

Installationsrahmen No Trim.
Johnny □80.

Installation frame No Trim.
Johnny □80.

Johnny □80 Square
☐ 08.9103.00

Johnny 80 No Trim 2L Square

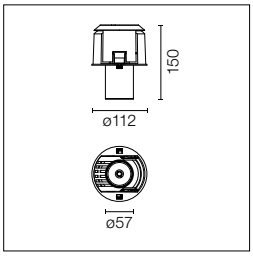
Installationsrahmen No Trim.
Johnny 80 2L Square.

Installation frame No Trim.
Johnny 80 2L Square.

☐ 08.9105.00

Johnny 120 Light Source

Without accessories: LED Array High Performance DC 500 mA - 20W - 2049 lm - 2700K/CRI 90 / 20W - 2183 lm - 3000K/CRI 90
With accessories: LED Array High Performance DC 450 mA - 18W - 1862 lm - 2700K/CRI 90 / 18W - 1984 lm - 3000K/CRI 90
Without accessories: LED Array DC 500 mA - 18W - 1770 lm - 2700K/CRI 90 / 18W - 1870 lm - 3000K/CRI 90
With accessories: LED Array DC 450 mA - 16W - 1612 lm - 2700K/CRI 90 / 16W - 1704 lm - 3000K/CRI 90



GWT 850°
IP 20
40°
03 **
F
0,65 Kg
IECEE CB SCHEME **
LED INCL.
CE
III

LED Einbauleuchte. Ohne Netzgerät. Es wird ein Gerät als Lichtquelle benötigt.

Recessed luminaire with LED light source. Power supply not included. One driver is needed per each light source.

**Part number with certificate: 0741 / 0743 / 0745 / 0740 / 0742 / 0744

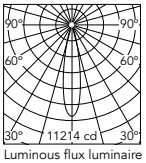
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9160
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

High Performance
2700K
03.0801.40A
03.0801.14A

21° SPOT



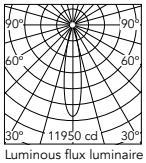
Luminous flux luminaire
1814 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11214	0.37
2	2804	0.74
3	1246	1.11
4	701	1.48
5	449	1.85

High Performance
3000K
03.0800.40A
03.0800.14A

21° SPOT



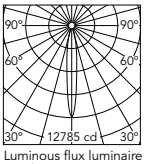
Luminous flux luminaire
1933 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11950	0.37
2	2988	0.74
3	1328	1.11
4	747	1.48
5	478	1.85

2700K
03.0741.40
03.0741.14

13° SPOT



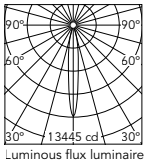
Luminous flux luminaire
1324 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	12785	0.22
2	3196	0.44
3	1421	0.66
4	799	0.88
5	511	1.10

3000K
03.0740.40
03.0740.14

13° SPOT



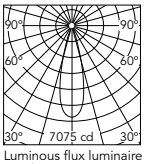
Luminous flux luminaire
1393 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	13445	0.22
2	3361	0.44
3	1494	0.66
4	840	0.88
5	538	1.10

High Performance
2700K
03.0803.40A
03.0803.14A

27° MEDIUM



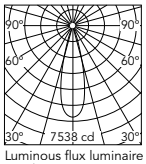
Luminous flux luminaire
1544 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7075	0.49
2	1769	0.98
3	786	1.47
4	442	1.96
5	283	2.44

High Performance
3000K
03.0802.40A
03.0802.14A

27° MEDIUM



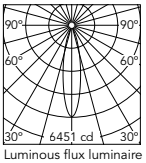
Luminous flux luminaire
1645 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7538	0.49
2	1884	0.98
3	838	1.47
4	471	1.96
5	302	2.44

2700K
03.0743.40
03.0743.14

22° MEDIUM



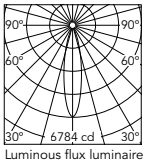
Luminous flux luminaire
1222 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6451	0.39
2	1613	0.79
3	717	1.18
4	403	1.58
5	258	1.97

3000K
03.0742.40
03.0742.14

22° MEDIUM



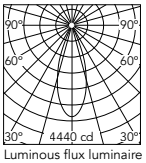
Luminous flux luminaire
1285 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6784	0.39
2	1696	0.79
3	754	1.18
4	424	1.58
5	271	1.97

High Performance
2700K
03.0805.40A
03.0805.14A

36° FLOOD



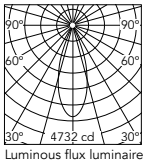
Luminous flux luminaire
1519 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4440	0.64
2	1110	1.28
3	493	1.92
4	277	2.56
5	178	3.20

High Performance
3000K
03.0804.40A
03.0804.14A

36° FLOOD



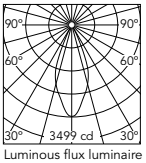
Luminous flux luminaire
1619 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4732	0.64
2	1183	1.28
3	526	1.92
4	296	2.56
5	189	3.20

2700K
03.0745.40
03.0745.14

41° FLOOD



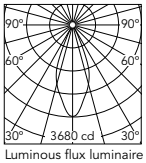
Luminous flux luminaire
1456 lm (EXTREME CUT OFF)

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	3499	0.75
2	875	1.50
3	389	2.25
4	219	3.00
5	140	3.75

3000K
03.0744.40
03.0744.14

41° FLOOD

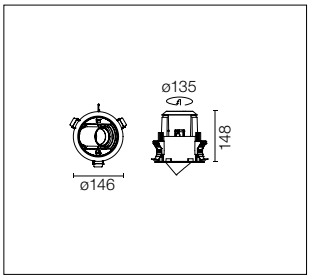


Luminous flux luminaire
1531 lm (EXTREME CUT OFF)

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	3680	0.75
2	920	1.50
3	409	2.25
4	230	3.00
5	147	3.75

Johnny 120 Round 1L – Recessed Universal Frame



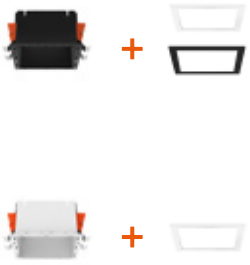
Einmalige Referenz für Trim- oder No-Trim-Deckeneinbau.
08.0555.00=enthält weißer Rahmen, um den Trim-Einbau zu vervollständigen.
08.0505.00=enthält, optional, weißer und schwarzer Rahmen, um den Trim-Einbau zu vervollständigen.

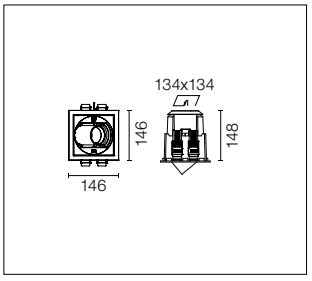
Unique reference for Trim or No Trim recessed installation.
08.0555.00=includes white frame to complete Trim finishing.
08.0505.00=includes optional white and black frames to complete Trim finishing.

☐ 08.0555.00
\+
1x Light Source
\+
1x Driver

■ 08.0505.00
\+
1x Light Source
\+
1x Driver

Johnny 120 Square 1L – Recessed Universal Frame





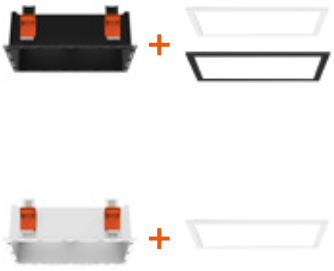
Einmalige Referenz für Trim- oder No-Trim-Deckeneinbau.
08.0550.00=enthält weißer Rahmen, um den Trim-Einbau zu vervollständigen.
08.0500.00=enthält, optional, weißer und schwarzer Rahmen, um den Trim-Einbau zu vervollständigen.

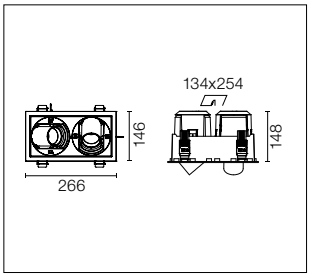
Unique reference for Trim or No Trim recessed installation.
08.0550.00=includes white frame to complete Trim finishing.
08.0500.00=includes optional white and black frames to complete Trim finishing.

☐ 08.0550.00
\+
1x Light Source
\+
1x Driver

■ 08.0500.00
\+
1x Light Source
\+
1x Driver

Johnny 120 Square 2L – Recessed Universal Frame





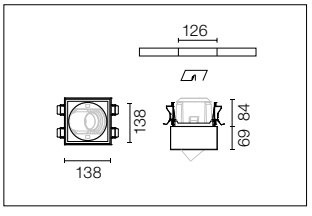
Einmalige Referenz für Trim- oder No-Trim-Deckeneinbau.
08.0551.00=enthält weißer Rahmen, um den Trim-Einbau zu vervollständigen.
08.0501.00=enthält, optional, weißer und schwarzer Rahmen, um den Trim-Einbau zu vervollständigen.

Unique reference for Trim or No Trim recessed installation.
08.0551.00=includes white frame to complete Trim finishing.
08.0501.00=includes optional white and black frames to complete Trim finishing.

☐ 08.0551.00
\+
2x Light Source
\+
2x Driver

■ 08.0501.00
\+
2x Light Source
\+
2x Driver

Johnny 120 Semi-Recessed 1L Square – Housing



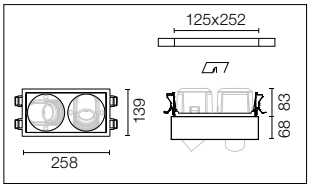
E I
08.0556.40
08.0556.CE
08.0556.TK
08.0556.14
\+
1x Light Source
\+
1x Driver

E I
08.0506.40
08.0506.CE
08.0506.TK
08.0506.14
\+
1x Light Source
\+
1x Driver

Johnny 120 Semi-Recessed 2L Square – Housing

E I
08.0557.40
08.0557.CE
08.0557.TK
08.0557.14
\+
2x Light Source
\+
2x Driver

E I
08.0507.40
08.0507.CE
08.0507.TK
08.0507.14
\+
2x Light Source
\+
2x Driver



JOHNNY 120

With accessories: LED Array High Performance DC 450 mA - 18W - 1862 lm - 2700K/CRI 90 / 18W - 1984 lm - 3000K/CRI 90
With accessories: LED Array DC 450 mA - 16W - 1612 lm - 2700K/CRI 90 / 16W - 1704 lm - 3000K/CRI 90

Zubehör / Accessories

Querabschirmung Screening crosspiece		08.8429.00
Elliptische Linse Elliptical lens		08.8431.00
Floodlinse Flood lens		08.8432.00
Honeycomb Honeycomb		08.8428.00
Konische Abschirmung Snoot shielding cone	29	08.0526.00

HOW TO ORDER JOHNNY 120

TRIM / NO TRIM 1L ROUND

Universal frame

08.0505.00 + 08.0555.00

1x Light Source*

	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

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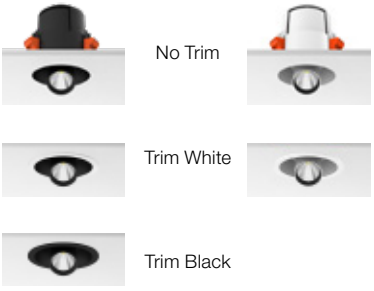

No Trim

Trim White

Trim Black

TRIM / NO TRIM 1L SQUARE

Universal frame

08.0500.00 + 08.0550.00

1x Light Source*

	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

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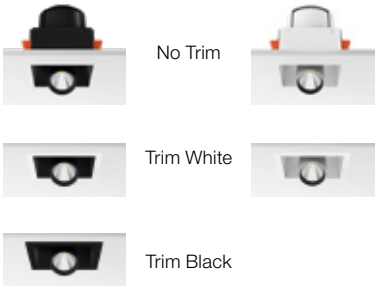


No Trim

Trim White

Trim Black

TRIM / NO TRIM 2L SQUARE

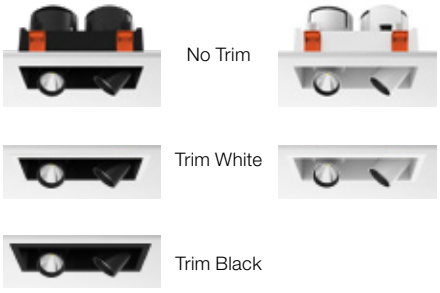
Universal frame

08.0501.00 + 08.0551.00

2x Light Source*

	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=



No Trim

Trim White

Trim Black

* Ohne Netzgerät. Es wird ein Gerät als Lichtquelle benötigt / Power supply not included. One driver is needed per each light source.

HOW TO ORDER JOHNNY 120

SEMI-RECESSED 1L SQUARE

Housing

08.0506.40 08.0506.CE 08.0506.TK 08.0506.14

08.0556.40 08.0556.CE 08.0556.TK 08.0556.14

\+

1x Light Source*

	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=

White Concrete Teak Black

SEMI-RECESSED 2L SQUARE

Housing

08.0507.40 08.0507.CE 08.0507.TK 08.0507.14

08.0557.40 08.0557.CE 08.0557.TK 08.0557.14

\+

2x Light Source*

	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=

White Concrete Teak Black

* Ohne Netzgerät. Es wird ein Gerät als Lichtquelle benötigt / Power supply not included. One driver is needed per each light source.

SPOTLIGHTS

Light Shadow Spot, My Spot, Camera,
Find Me, UT Spot&Pro, Wan Spot.

NEW

LIGHT SHADOW SPOT

DESIGNED BY FLOS ARCHITECTURAL

NEW

Produktbeschreibung
Serie von Strahlern mit der exklusiven, patentierten Technologie von Flos für die Leuchten der Produktfamilie Light Shadow, mit Doppelfokuslinsen und Gehäuse mit effektiver Abschirmung, was maximalen visuellen Komfort gewährleistet.
Im Bereich des Lichtmanagements und für diese Art von Produkten stellt diese Familie von Spots (verfügbar für dreiphasige Standardschienen sowie für die kompatiblen Systeme und Strukturen von Flos) den technologischen Höhepunkt dar.
Die unvergleichliche Behandlung des Lichtstroms der Lichtquelle führt zu einem ausgezeichneten Verhältnis der Lichtleistung bei allen Optionen des Abstrahlwinkels. Dies, zusammen mit einer homogenen und makellosen Lichtverteilung, macht aus dieser Strahlerfamilie das perfekte Beleuchtungstool für die anspruchsvollste professionelle Beleuchtungsplanung.
Diese hochmodernen technischen Merkmale sind in einem kompakten, formell einfachen und unverzichtbaren Produkt konzentriert. Die Spots Light Shadow werden auch in verschiedenen Ausführungen angeboten, darunter elegante Optionen aus Metal, die als dekoratives Element eine starke Persönlichkeit ausstrahlen. Andere Farboptionen sind auf Anfrage erhältlich, sowohl für die Oberflächen der zylindrischen Gehäuse (Außenseite) und der inneren Kegel (Innenseite) als auch für die hinteren Teile, Arme und Adapter.

Optisches System
Die Produktfamilie bietet verschieden Optionen des Abstrahlwinkels von Super Spot bis Wide Flood. Informieren Sie sich über die spezifischen Optionen für jedes Modell.

Kontrollsysteme
Die Spots Light Shadow sind in regulierbaren Ausführungen unter Casambi- und DALI-Protokollen und mit integriertem Potentiometer erhältlich. Informieren Sie sich über die Optionen für jedes Modell.

Zubehör
Alle Modelle verfügen über optionales Zubehör:
- Honeycomb.
- Dichrofilter CCT

Zusätzliche Information
Lesen Sie vor der Bestellung die Produktinformationen auch auf der professionellen Website von Flos, im technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle detaillierten Informationen zu erhalten, die möglicherweise nicht in diesem Katalog enthalten sind, online aktualisiert worden oder für Ihr Projekt oder Ihre spezifische Montage relevant sind.

Einhaltung von Vorschriften und Gütezeichen
Die Leuchte entspricht der europäischen technischen Norm EN60598-1 und den sekundären Teilen.

Description
A range of spots that offers the exclusive and patented Flos technology for its Light Shadow family of luminaires, with double focal lenses and high shielding optical body and maximum visual comfort.
As a result, this family of spots (available for standard three-phase tracks and for compatible Flos systems and structures) represents the technological zenith in optical light management for this type of product.
The unbeatable treatment of the raw light source flux results in an excellent Light Output Ratio in any of its beam angles. This, together with an even and impeccable light distribution, makes this family of spotlights the perfect lighting tool for the most demanding professional projects.
These state-of-the-art technical conditions are found in a compact, simple and essential product. The Light Shadow Spots are also available in different finishes, including sophisticated metallic features that make them stand out as a decorative element with a personality of its own.
Other color options are available on request, both for the cylindrical bodies' finishes (external) and for the inner cones (internal), or the rear parts, arm and adapter (rear).

Optical System
The product family offers Beam Angle options from Super Spot to Wide Flood. Please see specific options for each model.

Control Systems
Light Shadow Spots are available in dimmable options under Casambi, DALI protocols and with integrated potentiometer. Please refer to specific options for each model.

Accessories
Optional accessories are available for all models:
- Honeycomb.
- CCT dichroic filters.

Additional Information
Before placing your order, please consult the product details also in the Flos professional website, in its technical data sheet and in the installation and assembly instructions in order to know in detail all the information that may not be included in this catalogue, that may have been updated online after this edition or that could be relevant to your project or specific installation.

Standard Compliance and Quality Marks
Luminaire complies with the European Technical Standard EN60598-1 and secondary parts.

FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

NEW

LIGHT SHADOW SPOT

DESIGNED BY FLOS ARCHITECTURAL

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
11,5W
844 lm
3000K/CRI 90
915 lm
4000K/CRI 90

LIGHT SHADOW SPOT 60

LIGHT SOURCE
LED ARRAY
Up to 22W
Up to 1751 lm
3000K/CRI 90
Up to 1815 lm
4000K/CRI 90

40 Weiss
40 White

14 Schwarz
14 Black

40.78/YU/C6 All White

EQ Gebürstetes Kupfer
EQ Brushed Copper

ER Gebürsteter Stahl
ER Brushed Steel

ES Gebürstete Bronze
ES Brushed Bronze

LIGHT SHADOW SPOT

NEW

THE TRACKING MAGNET & INFRA-STRUCTURE

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4,5W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

LIGHT SOURCE
LED ARRAY
10W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 60

LIGHT SOURCE
LED ARRAY
Up to 20W
Up to 1563 lm
2700K/CRI 90
Up to 1751 lm
3000K/CRI 90

* Siehe The Tracking Magnet & Infra-Structure / Refer to The Tracking Magnet & Infra-Structure chapter

THE RUNNING MAGNET

LIGHT SHADOW SPOT 30

LIGHT SOURCE
POWER LED
4W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45

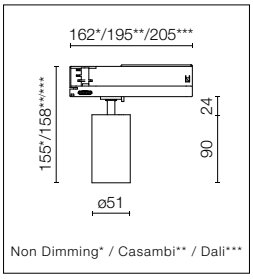
LIGHT SOURCE
LED ARRAY
10W
756 lm
2700K/CRI 90
799 lm
3000K/CRI 90

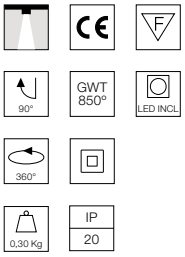
* Siehe The Running Magnet / Refer to The Running Magnet chapter

NEW

Light Shadow Spot 45

LED Array 11,5W - 844 lm - 3000K/CRI 90 / 11,5W - 915 lm - 4000K/CRI 90





Strahler zur Montage auf dreiphasiger Schiene, mit LED-Lichtquelle. Integriertes Netzteil mit 220–240 V, 50–60Hz V.
Alle Ausführungen werden mit dem Schienenadapter, dem Arm und der Rückseite des Gehäuse in Schwarz geliefert. Bei den „all white"-Ausführungen ist die Farbe des Schienenadapters, des Armes und der Rückseite weiß. Der Schirm wird immer in der Ausführung Schwarz Hochglanz mit Blendschutz angeboten.
Bitte informieren Sie sich über weitere Ausführungen.

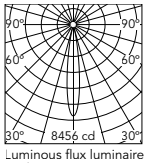
Projector to be installed on three-phase track with LED light source. Built-in 220-240V, 50-60Hz power supply.
All finishes come with black track adapter, arm and back of the head. In the "all white" versions the track adapter, arm and back of the head come in white. The display is always offered in high gloss technical black anti-glare finish.
For other finishes, please consult us.

Optic Spot - 3000K

Non Dimmable

- 05.9205.40
- 05.9205.14
- 05.9205.ER
- 05.9205.ES
- 05.9205.EQ
- 05.9205.40.78

15° SPOT



Luminous flux luminaire 686 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

Dali 2

- 05.9205.40ADA
- 05.9205.14ADA
- 05.9205.ERADA
- 05.9205.ESADA
- 05.9205.EQADA
- 05.9205.40AYU

Casambi

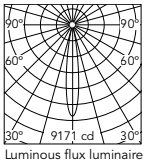
- 05.9205.40ACB
- 05.9205.14ACB
- 05.9205.ERACB
- 05.9205.ESACB
- 05.9205.EQACB
- 05.9205.40AC6

Optic Spot - 4000K

Non Dimmable

- 05.9210.40
- 05.9210.14
- 05.9210.ER
- 05.9210.ES
- 05.9210.EQ
- 05.9210.40.78

15° SPOT



Luminous flux luminaire 744 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	9171	0.27
2	2293	0.54
3	1019	0.80
4	573	1.07
5	367	1.34

Dali 2

- 05.9210.40ADA
- 05.9210.14ADA
- 05.9210.ERADA
- 05.9210.ESADA
- 05.9210.EQADA
- 05.9210.40AYU

Casambi

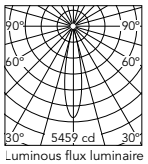
- 05.9210.40ACB
- 05.9210.14ACB
- 05.9210.ERACB
- 05.9210.ESACB
- 05.9210.EQACB
- 05.9210.40AC6

Optic Medium - 3000K

Non Dimmable

- 05.9206.40
- 05.9206.14
- 05.9206.ER
- 05.9206.ES
- 05.9206.EQ
- 05.9206.40.78

21° MEDIUM



Luminous flux luminaire 682 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Dali 2

- 05.9206.40ADA
- 05.9206.14ADA
- 05.9206.ERADA
- 05.9206.ESADA
- 05.9206.EQADA
- 05.9206.40AYU

Casambi

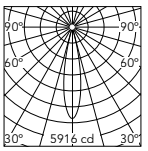
- 05.9206.40ACB
- 05.9206.14ACB
- 05.9206.ERACB
- 05.9206.ESACB
- 05.9206.EQACB
- 05.9206.40AC6

Optic Medium - 4000K

Non Dimmable

- 05.9211.40
- 05.9211.14
- 05.9211.ER
- 05.9211.ES
- 05.9211.EQ
- 05.9211.40.78

21° MEDIUM



Luminous flux luminaire 739 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	5916	0.36
2	1479	0.73
3	657	1.09
4	370	1.46
5	237	1.82

Dali 2

- 05.9211.40ADA
- 05.9211.14ADA
- 05.9211.ERADA
- 05.9211.ESADA
- 05.9211.EQADA
- 05.9211.40AYU

Casambi

- 05.9211.40ACB
- 05.9211.14ACB
- 05.9211.ERACB
- 05.9211.ESACB
- 05.9211.EQACB
- 05.9211.40AC6

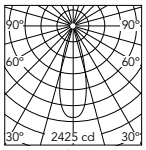
NEW

Optic Flood - 3000K

Non Dimmable

- 05.9207.40
- 05.9207.14
- 05.9207.ER
- 05.9207.ES
- 05.9207.EQ
- 05.9207.40.78

FLOOD



Luminous flux luminaire
682 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Dali 2

- 05.9207.40ADA
- 05.9207.14ADA
- 05.9207.ERADA
- 05.9207.ESADA
- 05.9207.EQADA
- 05.9207.40AYU

Casambi

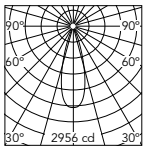
- 05.9207.40ACB
- 05.9207.14ACB
- 05.9207.ERACB
- 05.9207.ESACB
- 05.9207.EQACB
- 05.9207.40AC6

Optic Flood - 4000K

Non Dimmable

- 05.9212.40
- 05.9212.14
- 05.9212.ER
- 05.9212.ES
- 05.9212.EQ
- 05.9212.40.78

FLOOD



Luminous flux luminaire
739 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2627	0.56
2	657	1.11
3	292	1.67
4	164	2.22
5	105	2.78

Dali 2

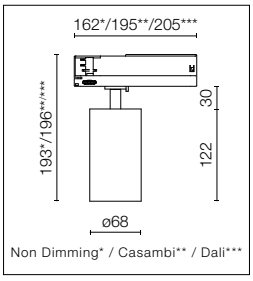
- 05.9212.40ADA
- 05.9212.14ADA
- 05.9212.ERADA
- 05.9212.ESADA
- 05.9212.EQADA
- 05.9212.40AYU

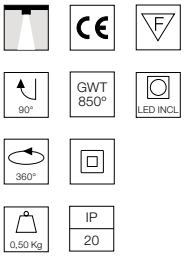
Casambi

- 05.9212.40ACB
- 05.9212.14ACB
- 05.9212.ERACB
- 05.9212.ESACB
- 05.9212.EQACB
- 05.9212.40AC6

Light Shadow Spot 60

Super Spot: LED Array 11W - 844 lm - 3000K/CRI 90 / 11W - 915 lm - 4000K/CRI 90
S/M/F/WF: LED Array 22W - 1751 lm - 3000K/CRI 90 / 22W - 1815 lm - 4000K/CRI 90





Strahler zur Montage auf dreiphasiger Schiene, mit LED-Lichtquelle. Integriertes Netzteil mit 220–240 V, 50–60Hz V.
Alle Ausführungen werden mit dem Schienenadapter, dem Arm und der Rückseite des Gehäuse in Schwarz geliefert. Bei den „all white"-Ausführungen ist die Farbe des Schienenadapters, des Armes und der Rückseite weiß. Der Schirm wird immer in der Ausführung Schwarz Hochglanz mit Blendschutz angeboten.
Bitte informieren Sie sich über weitere Ausführungen.

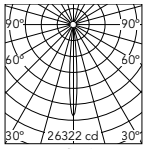
Projector to be installed on three-phase track with LED light source. Built-in 220-240V, 50-60Hz power supply.
All finishes come with black track adapter, arm and back of the head. In the "all white" versions the track adapter, arm and back of the head come in white. The display is always offered in high gloss technical black anti-glare finish.
For other finishes, please consult us.

Optic Super Spot - 3000K

Non Dimmable

- 05.9235.40
- 05.9235.14
- 05.9235.ER
- 05.9235.ES
- 05.9235.EQ
- 05.9235.40.78

9° SUPER SPOT



Luminous flux luminaire 808 lm

Beam Angle:		9°
h(m)	E(lx)	D(m)
1	26322	0.16
2	6581	0.32
3	2925	0.48
4	1645	0.64
5	1053	0.80

Dali 2

- 05.9235.40ADA
- 05.9235.14ADA
- 05.9235.ERADA
- 05.9235.ESADA
- 05.9235.EQADA
- 05.9235.40AYU

Casambi

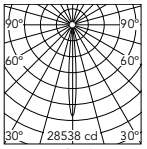
- 05.9235.40ACB
- 05.9235.14ACB
- 05.9235.ERACB
- 05.9235.ESACB
- 05.9235.EQACB
- 05.9235.40AC6

Optic Super Spot - 4000K

Non Dimmable

- 05.9240.40
- 05.9240.14
- 05.9240.ER
- 05.9240.ES
- 05.9240.EQ
- 05.9240.40.78

9° SUPER SPOT



Luminous flux luminaire 876 lm

Beam Angle:		9°
h(m)	E(lx)	D(m)
1	28538	0.16
2	7134	0.32
3	3171	0.48
4	1784	0.64
5	1142	0.80

Dali 2

- 05.9240.40ADA
- 05.9240.14ADA
- 05.9240.ERADA
- 05.9240.ESADA
- 05.9240.EQADA
- 05.9240.40AYU

Casambi

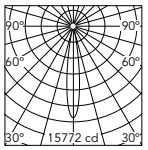
- 05.9240.40ACB
- 05.9240.14ACB
- 05.9240.ERACB
- 05.9240.ESACB
- 05.9240.EQACB
- 05.9240.40AC6

Optic Spot - 3000K

Non Dimmable

- 05.9236.40
- 05.9236.14
- 05.9236.ER
- 05.9236.ES
- 05.9236.EQ
- 05.9236.40.78

15° SPOT



Luminous flux luminaire 1375 lm

Beam Angle:		15°
h(m)	E(lx)	D(m)
1	15772	0.27
2	3943	0.54
3	1752	0.81
4	986	1.09
5	631	1.36

Dali 2

- 05.9236.40ADA
- 05.9236.14ADA
- 05.9236.ERADA
- 05.9236.ESADA
- 05.9236.EQADA
- 05.9236.40AYU

Casambi

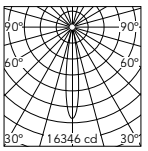
- 05.9236.40ACB
- 05.9236.14ACB
- 05.9236.ERACB
- 05.9236.ESACB
- 05.9236.EQACB
- 05.9236.40AC6

Optic Spot - 4000K

Non Dimmable

- 05.9241.40
- 05.9241.14
- 05.9241.ER
- 05.9241.ES
- 05.9241.EQ
- 05.9241.40.78

15° SPOT



Luminous flux luminaire 1425 lm

Beam Angle:		15°
h(m)	E(lx)	D(m)
1	16346	0.27
2	4086	0.54
3	1816	0.81
4	1022	1.09
5	654	1.36

Dali 2

- 05.9241.40ADA
- 05.9241.14ADA
- 05.9241.ERADA
- 05.9241.ESADA
- 05.9241.EQADA
- 05.9241.40AYU

Casambi

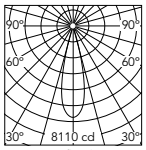
- 05.9241.40ACB
- 05.9241.14ACB
- 05.9241.ERACB
- 05.9241.ESACB
- 05.9241.EQACB
- 05.9241.40AC6

NEW

Optic Medium - 3000K

Non Dimmable

- 05.9237.40
- 05.9237.14
- 05.9237.ER
- 05.9237.ES
- 05.9237.EQ
- 05.9237.40.78



Luminous flux luminaire
1427 lm

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	8110	0.45
2	2027	0.91
3	901	1.36
4	507	1.82
5	324	2.27

Dali 2

- 05.9237.40ADA
- 05.9237.14ADA
- 05.9237.ERADA
- 05.9237.ESADA
- 05.9237.EQADA
- 05.9237.40AYU

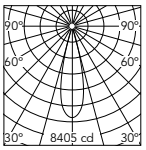
Casambi

- 05.9237.40ACB
- 05.9237.14ACB
- 05.9237.ERACB
- 05.9237.ESACB
- 05.9237.EQACB
- 05.9237.40AC6

Optic Medium - 4000K

Non Dimmable

- 05.9242.40
- 05.9242.14
- 05.9242.ER
- 05.9242.ES
- 05.9242.EQ
- 05.9242.40.78



Luminous flux luminaire
1479 lm

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	8405	0.45
2	2101	0.91
3	934	1.36
4	525	1.82
5	336	2.27

Dali 2

- 05.9242.40ADA
- 05.9242.14ADA
- 05.9242.ERADA
- 05.9242.ESADA
- 05.9242.EQADA
- 05.9242.40AYU

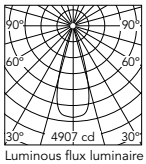
Casambi

- 05.9242.40ACB
- 05.9242.14ACB
- 05.9242.ERACB
- 05.9242.ESACB
- 05.9242.EQACB
- 05.9242.40AC6

Optic Flood - 3000K

Non Dimmable

- 05.9238.40
- 05.9238.14
- 05.9238.ER
- 05.9238.ES
- 05.9238.EQ
- 05.9238.40.78



Luminous flux luminaire
1431 lm

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4907	0.60
2	1227	1.20
3	545	1.80
4	307	2.40
5	196	3.00

Dali 2

- 05.9238.40ADA
- 05.9238.14ADA
- 05.9238.ERADA
- 05.9238.ESADA
- 05.9238.EQADA
- 05.9238.40AYU

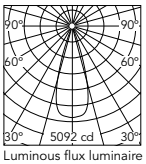
Casambi

- 05.9238.40ACB
- 05.9238.14ACB
- 05.9238.ERACB
- 05.9238.ESACB
- 05.9238.EQACB
- 05.9238.40AC6

Optic Flood - 4000K

Non Dimmable

- 05.9243.40
- 05.9243.14
- 05.9243.ER
- 05.9243.ES
- 05.9243.EQ
- 05.9243.40.78



Luminous flux luminaire
1485 lm

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5092	0.60
2	1273	1.20
3	566	1.80
4	318	2.40
5	204	3.00

Dali 2

- 05.9243.40ADA
- 05.9243.14ADA
- 05.9243.ERADA
- 05.9243.ESADA
- 05.9243.EQADA
- 05.9243.40AYU

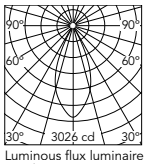
Casambi

- 05.9243.40ACB
- 05.9243.14ACB
- 05.9243.ERACB
- 05.9243.ESACB
- 05.9243.EQACB
- 05.9243.40AC6

Optic Wide Flood - 3000K

Non Dimmable

- 05.9239.40
- 05.9239.14
- 05.9239.ER
- 05.9239.ES
- 05.9239.EQ
- 05.9239.40.78



Luminous flux luminaire
1390 lm

Beam Angle:		43°
h(m)	E(lx)	D(m)
1	3026	0.79
2	757	1.59
3	336	2.38
4	189	3.17
5	121	3.97

Dali 2

- 05.9239.40ADA
- 05.9239.14ADA
- 05.9239.ERADA
- 05.9239.ESADA
- 05.9239.EQADA
- 05.9239.40AYU

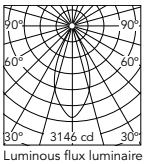
Casambi

- 05.9239.40ACB
- 05.9239.14ACB
- 05.9239.ERACB
- 05.9239.ESACB
- 05.9239.EQACB
- 05.9239.40AC6

Optic WideFlood - 4000K

Non Dimmable

- 05.9244.40
- 05.9244.14
- 05.9244.ER
- 05.9244.ES
- 05.9244.EQ
- 05.9244.40.78



Luminous flux luminaire
1445 lm

Beam Angle:		43°
h(m)	E(lx)	D(m)
1	3146	0.79
2	787	1.59
3	350	2.38
4	197	3.17
5	126	3.97

Dali 2

- 05.9244.40ADA
- 05.9244.14ADA
- 05.9244.ERADA
- 05.9244.ESADA
- 05.9244.EQADA
- 05.9244.40AYU

Casambi

- 05.9244.40ACB
- 05.9244.14ACB
- 05.9244.ERACB
- 05.9244.ESACB
- 05.9244.EQACB
- 05.9244.40AC6

Zubehör / Accessories

Light Shadow Spot 45

Wabenraster	Honeycomb		08.0793.00
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase 3000K >> 3600±75K 4000K >> 5100±75K 08.0794.00
			Decrease 3000K >> 2700±75K 4000K >> 3400±75K 08.0795.00

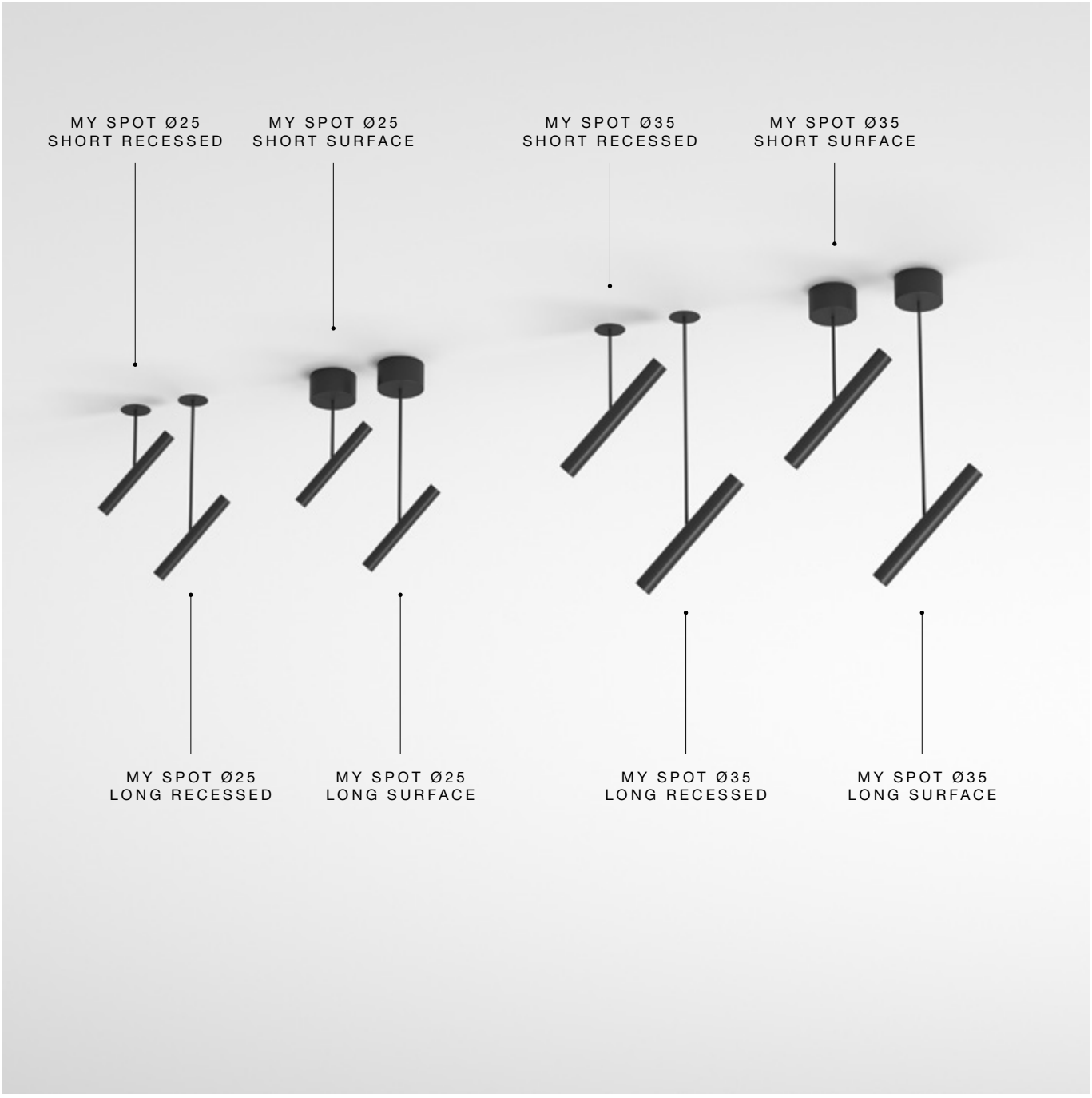
Light Shadow Spot 60

Wabenraster	Honeycomb		Super Spot 08.0175.14
			Spot / Medium / Flood / Wide Flood 08.0176.14
Dichroitischer CCT-Filter	Dichroic CCT Filter		Increase Super Spot 3000K >> 3600±75K 4000K >> 5100±75K 08.0796.00
			Spot / Medium / Flood / Wide Flood 3000K >> 3600±75K 4000K >> 5100±75K 08.0798.00
			Decrease Super Spot 3000K >> 2700±75K 4000K >> 3400±75K 08.0797.00
			Spot / Medium / Flood / Wide Flood 3000K >> 2700±75K 4000K >> 3400±75K 08.0799.00

NEW

MY SPOT

DESIGNED BY MICHAEL ANASTASSIADES



NEW

Produktbeschreibung
My Spot, der von Michael Anastassiades entworfene Strahler, ist für sein einzigartiges und minimalistisches Design bekannt. Mit den jetzt als Einbaumontage- und Aufputzausführung erhältlichen Modellen werden die Möglichkeiten der architektonischen Integration weitaus größer.
Die Strahler sind mit einer fortschrittlichen Optik mit Doppellinsentechnologie ausgestattet und sorgen für eine hochwertige, gleichmäßige Ausleuchtung, minimieren die Blendwirkung und bieten höchsten Sehkomfort.
Die Linie umfasst zwei verschiedene Strahlergrößen (Ø25 - Ø35) für unterschiedliche Beleuchtungsbedürfnisse sowie zwei verschiedene Stangengrößen, die eine maßgeschneiderte Installation je nach den Anforderungen des Raums ermöglichen. Dank dieser Konfigurationsflexibilität eignen sich die Scheinwerfer für zahlreiche Anwendungen, von Wohnumgebungen bin hin zu anspruchsvollen kommerziellen Projekten.
Die Strahler der My Spot Linie sind vollständig verstellbar und ermöglichen sowohl Schwenk- als auch Neigebewegungen, so dass das Licht genau auf die gewünschte Stelle gerichtet werden kann. In der Downlight-Position schließt der Anschlussarm außerdem perfekt mit dem Produkt ab, so dass eine saubere Ästhetik ohne visuelle Unterbrechungen gewährleistet ist.
My Spot ist in verschiedenen Ausführungen, einschließlich raffinierten Metallic-Optionen erhältlich. Diese Möglichkeiten sorgen dafür, dass die Strahler nicht nur eine funktionelle Rolle spielen, sondern auch zu unverwechselbaren dekorativen Elementen mit einer eigenen Persönlichkeit werden, die jedem Raum einen Hauch von raffiniertem Design verleihen.

Optisches System
Die Produktfamilie bietet Strahlwinkeloptionen in Spot, Medium und Flood. Bitte prüfen Sie die spezifischen Optionen für jedes Modell.

Steuerungssystem
My Spot ist mit verschiedenen Steuerungsoptionen für die Dimmbarkeit erhältlich.
Einbau: No Dim, Mains Dimming, 1-10V, DALI/Push, Casambi.
Aufbau: No Dim, DALI, Casambi.

Zusätzliche Informationen
Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Einhaltung von Vorschriften und Gütezeichen
Die Leuchte entspricht der europäischen technischen Norm EN60598-1 und den zweiten Teilen.

Description
My Spot, the spotlight designed by Michael Anastassiades, is known for its unique and minimalist design. Now available in new recessed and surface-mounted versions, the possibilities for architectural integration become far greater. Equipped with advanced optics incorporating dual focal lens technology, these floodlights ensure high-quality uniform illumination, minimising glare and providing superior visual comfort.
The range includes two different sizes of floodlight (Ø25 - Ø35) to suit a variety of lighting needs, as well as two different stem sizes to allow for customised installation according to the requirements of the space. This configuration flexibility makes the floodlights suited to countless applications, from residential environments to high-demand commercial projects.
The spotlights in the My Spot range are fully adjustable, allowing both swivelling and tilting movements and giving total flexibility for directing the light precisely where desired. In addition, when in a downlight position, the connection arm is perfectly flush with the product, maintaining a clean aesthetic free from visual interruptions.
My Spot is available in multiple finishes, including sophisticated metallic options. These possibilities ensure the spotlights play not only a functional role but also become distinctive decorative elements with a personality of their own, adding a touch of refined design to any space.

Optical System
The product family offers Spot, Medium, and Flood beam angle options. Please check the specific options for each model.

Control Systems
My Spot is available in different control options for dimming.
Recessed: No Dim, Mains Dimming, 1-10V, Dali/Push, Casambi.
Surface: No Dim, Dali, Casambi.

Additional Information
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Regulatory Compliance and Quality Labels
Appliance compliant with the European Technical Regulation EN60598-1 and Part 2.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

MY SPOT

DESIGNED BY MICHAEL ANASTASSIADES

RECESSED

MY SPOT Ø25 SHORT RECESSED

LIGHT SOURCE
POWER LED
2,5W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø25 LONG RECESSED

LIGHT SOURCE
POWER LED
2,5W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø35 SHORT RECESSED

LIGHT SOURCE
LED ARRAY
7,2W
623 lm
2700K/CRI 90
641 lm
3000K/CRI 90

MY SPOT Ø35 LONG RECESSED

LIGHT SOURCE
LED ARRAY
7,2W
623 lm
2700K/CRI 90
641 lm
3000K/CRI 90

SURFACE

MY SPOT Ø25 SHORT SURFACE

LIGHT SOURCE
POWER LED
4,7W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø25 LONG SURFACE

LIGHT SOURCE
POWER LED
4,7W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø35 SHORT SURFACE

LIGHT SOURCE
LED ARRAY
Up to 11,5W
623 lm
2700K/CRI 90
641 lm
3000K/CRI 90

MY SPOT Ø35 LONG SURFACE

LIGHT SOURCE
LED ARRAY
Up to 11,5W
623 lm
2700K/CRI 90
641 lm
3000K/CRI 90

MY SPOT

NEW

ZERO TRACK PRO

MY SPOT Ø25 SHORT

LIGHT SOURCE
POWER LED
Up to 4,7W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø25 LONG

LIGHT SOURCE
POWER LED
Up to 4,7W
231 lm
2700K/CRI 90
235 lm
3000K/CRI 90

MY SPOT Ø35 SHORT

LIGHT SOURCE
LED ARRAY
Up to 11W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

MY SPOT Ø35 LONG

LIGHT SOURCE
LED ARRAY
Up to 11W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

* Siehe Zero Track Pro / Refer to Zero Track Pro chapter

My Spot Recessed

☐ 40 Weiss
40 White

■ 14 Schwarz
14 Black

■ EQ Gebürstetes Kupfer
EQ Brushed Copper

■ ER Gebürsteter Stahl
ER Brushed Steel

■ ES Gebürstete Bronze
ES Brushed Bronze

My Spot Surface

☐ 40 Weiss
40 White

■ 14 Schwarz
14 Black

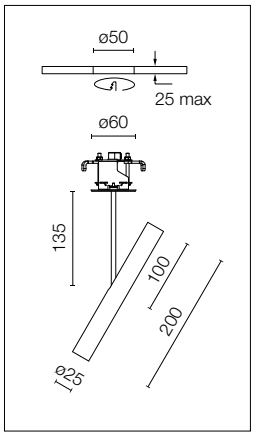
■ EQ Gebürstetes Kupfer
EQ Brushed Copper

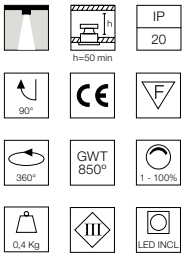
■ ER Gebürsteter Stahl
ER Brushed Steel

■ ES Gebürstete Bronze
ES Brushed Bronze

My Spot Ø25 Short Recessed By Michael Anastassiades

Power LED DC 800 mA - 2,5W - 231 lm - 2700K/CRI 90 / 235 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Einbauanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig. Ohne Netzgerät. Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.

LED lighting module for recessed applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product. Power supply not included. Remote power supply to be installed in an accessible place.

Empfohlene Netzgeräte / Recommended power supply*:

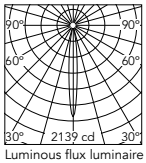
Non Dimmable	60.7773
Dimmable 1-10V	60.9208
DALI/Push	60.7774
Mains Dimming	60.9467**
Casambi	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

** Es müssen mindestens 2 Einheiten angeschlossen werden / At least 2 units must be connected

Optic Spot - 2700K

- 05.5400.40
- 05.5400.14
- 05.5400.EQ
- 05.5400.ER
- 05.5400.ES



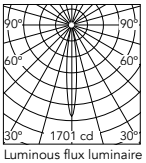
Luminous flux luminaire
118 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2139	0.18
2	535	0.37
3	238	0.55
4	134	0.74
5	86	0.92

Optic Spot - 3000K

- 05.5405.40
- 05.5405.14
- 05.5405.EQ
- 05.5405.ER
- 05.5405.ES



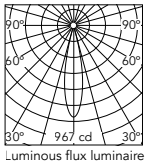
Luminous flux luminaire
121 lm

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	1701	0.22
2	425	0.44
3	189	0.66
4	106	0.88
5	68	1.10

Optic Medium - 2700K

- 05.5401.40
- 05.5401.14
- 05.5401.EQ
- 05.5401.ER
- 05.5401.ES



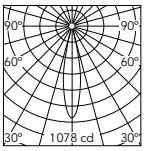
Luminous flux luminaire
130 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	967	0.39
2	242	0.77
3	107	1.16
4	60	1.54
5	39	1.93

Optic Medium - 3000K

- 05.5406.40
- 05.5406.14
- 05.5406.EQ
- 05.5406.ER
- 05.5406.ES



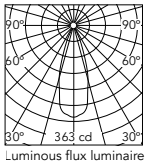
Luminous flux luminaire
133 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1078	0.37
2	270	0.75
3	120	1.12
4	67	1.49
5	43	1.86

Optic Flood - 2700K

- 05.5402.40
- 05.5402.14
- 05.5402.EQ
- 05.5402.ER
- 05.5402.ES



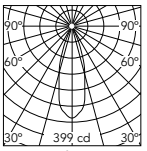
Luminous flux luminaire
124 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	363	0.63
2	91	1.26
3	40	1.89
4	23	2.51
5	15	3.14

Optic Flood - 3000K

- 05.5407.40
- 05.5407.14
- 05.5407.EQ
- 05.5407.ER
- 05.5407.ES



Luminous flux luminaire
127 lm

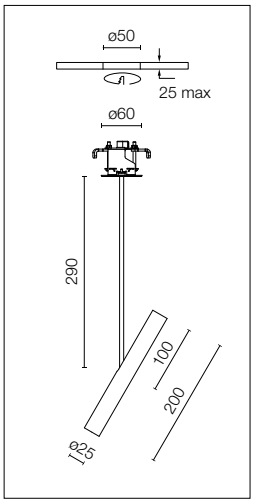
Beam Angle: 32°

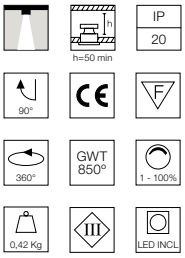
h(m)	E(lx)	D(m)
1	399	0.58
2	100	1.16
3	44	1.75
4	25	2.33
5	16	2.91

NEW

My Spot Ø25 Long Recessed By Michael Anastassiades

Power LED DC 800 mA - 2,5W - 231 lm - 2700K/CRI 90 / 235 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Einbauanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig. Ohne Netzgerät. Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.

LED lighting module for recessed applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product. Power supply not included. Remote power supply to be installed in an accessible place.

Empfohlene Netzgeräte / Recommended power supply*:

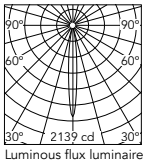
Non Dimmable	60.7773
Dimmable 1-10V	60.9208
Dali/Push	60.7774
Mains Dimming	60.9467**
Casambi	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

** Es müssen mindestens 2 Einheiten angeschlossen werden / At least 2 units must be connected

Optic Spot - 2700K

- 05.5410.40
- 05.5410.14
- 05.5410.EQ
- 05.5410.ER
- 05.5410.ES



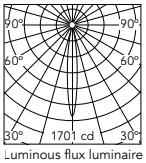
Luminous flux luminaire
118 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2139	0.18
2	535	0.37
3	238	0.55
4	134	0.74
5	86	0.92

Optic Spot - 3000K

- 05.5415.40
- 05.5415.14
- 05.5415.EQ
- 05.5415.ER
- 05.5415.ES



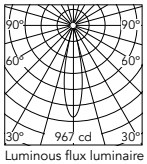
Luminous flux luminaire
121 lm

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	1701	0.22
2	425	0.44
3	189	0.66
4	106	0.88
5	68	1.10

Optic Medium - 2700K

- 05.5411.40
- 05.5411.14
- 05.5411.EQ
- 05.5411.ER
- 05.5411.ES



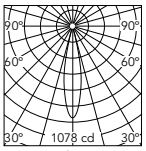
Luminous flux luminaire
130 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	967	0.39
2	242	0.77
3	107	1.16
4	60	1.54
5	39	1.93

Optic Medium - 3000K

- 05.5416.40
- 05.5416.14
- 05.5416.EQ
- 05.5416.ER
- 05.5416.ES



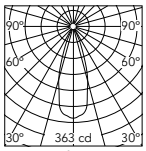
Luminous flux luminaire
133 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1078	0.37
2	270	0.75
3	120	1.12
4	67	1.49
5	43	1.86

Optic Flood - 2700K

- 05.5412.40
- 05.5412.14
- 05.5412.EQ
- 05.5412.ER
- 05.5412.ES



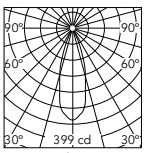
Luminous flux luminaire
124 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	363	0.63
2	91	1.26
3	40	1.89
4	23	2.51
5	15	3.14

Optic Flood - 3000K

- 05.5417.40
- 05.5417.14
- 05.5417.EQ
- 05.5417.ER
- 05.5417.ES



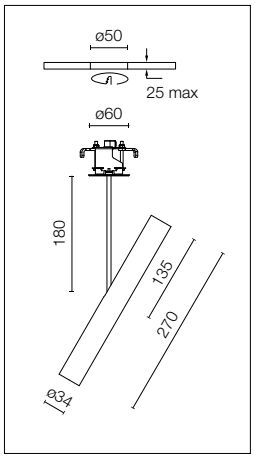
Luminous flux luminaire
127 lm

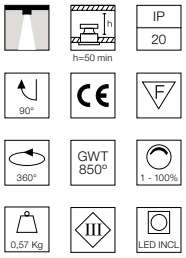
Beam Angle: 32°

h(m)	E(lx)	D(m)
1	399	0.58
2	100	1.16
3	44	1.75
4	25	2.33
5	16	2.91

My Spot Ø35 Short Recessed By Michael Anastassiades

LED Array DC 400 mA - 7,2W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Einbauanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig. Ohne Netzgerät. Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.

LED lighting module for recessed applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product. Power supply not included. Remote power supply to be installed in an accessible place.

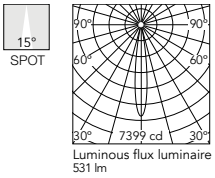
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.7773
Dimmable 1-10V	60.9208
DALI/Push	60.7774
Mains Dimming	60.9467
Casambi	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot - 2700K

- 05.5420.40
- 05.5420.14
- 05.5420.EQ
- 05.5420.ER
- 05.5420.ES



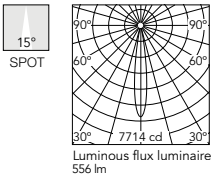
Luminous flux luminaire
531 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7399	0.26
2	1850	0.51
3	822	0.77
4	462	1.02
5	296	1.28

Optic Spot - 3000K

- 05.5425.40
- 05.5425.14
- 05.5425.EQ
- 05.5425.ER
- 05.5425.ES



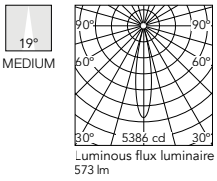
Luminous flux luminaire
556 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7714	0.26
2	1929	0.52
3	857	0.78
4	482	1.04
5	309	1.30

Optic Medium - 2700K

- 05.5421.40
- 05.5421.14
- 05.5421.EQ
- 05.5421.ER
- 05.5421.ES



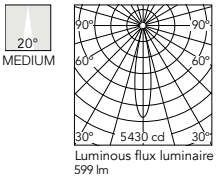
Luminous flux luminaire
573 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	5386	0.34
2	1347	0.68
3	598	1.02
4	337	1.36
5	215	1.70

Optic Medium - 3000K

- 05.5426.40
- 05.5426.14
- 05.5426.EQ
- 05.5426.ER
- 05.5426.ES



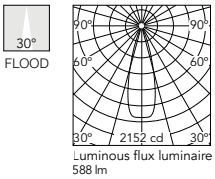
Luminous flux luminaire
599 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5430	0.35
2	1357	0.69
3	603	1.04
4	339	1.39
5	217	1.73

Optic Flood - 2700K

- 05.5422.40
- 05.5422.14
- 05.5422.EQ
- 05.5422.ER
- 05.5422.ES



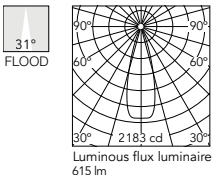
Luminous flux luminaire
588 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	2152	0.54
2	538	1.09
3	239	1.63
4	134	2.18
5	86	2.72

Optic Flood - 3000K

- 05.5427.40
- 05.5427.14
- 05.5427.EQ
- 05.5427.ER
- 05.5427.ES



Luminous flux luminaire
615 lm

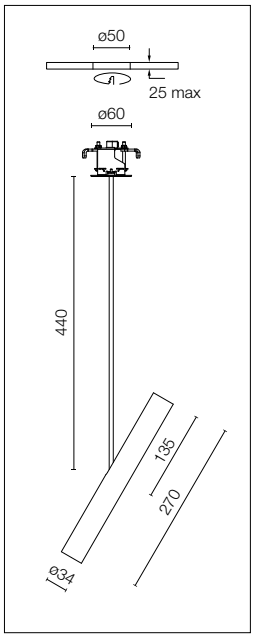
Beam Angle: 31°

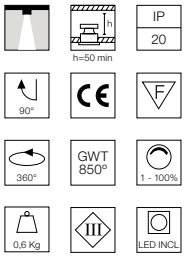
h(m)	E(lx)	D(m)
1	2182	0.56
2	546	1.11
3	242	1.67
4	136	2.22
5	87	2.78

NEW

My Spot Ø35 Long Recessed By Michael Anastassiades

LED Array DC 400 mA - 7,2W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Einbauanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig. Ohne Netzgerät. Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.

LED lighting module for recessed applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product. Power supply not included. Remote power supply to be installed in an accessible place.

Empfohlene Netzgeräte / Recommended power supply*:

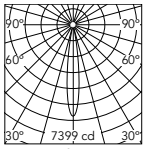
Non Dimmable	60.7773
Dimmable 1-10V	60.9208
Dali/Push	60.7774
Mains Dimming	60.9467
Casambi	60.7785

* Siehe Treiberkapitel / Refer to the Drivers chapter

Optic Spot - 2700K

- 05.5430.40
- 05.5430.14
- 05.5430.EQ
- 05.5430.ER
- 05.5430.ES

15° SPOT



Luminous flux luminaire 531 lm

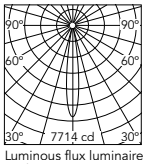
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7399	0.26
2	1850	0.51
3	822	0.77
4	462	1.02
5	296	1.28

Optic Spot - 3000K

- 05.5435.40
- 05.5435.14
- 05.5435.EQ
- 05.5435.ER
- 05.5435.ES

15° SPOT



Luminous flux luminaire 556 lm

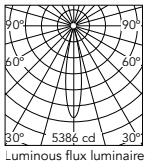
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7714	0.26
2	1929	0.52
3	857	0.78
4	482	1.04
5	309	1.30

Optic Medium - 2700K

- 05.5431.40
- 05.5431.14
- 05.5431.EQ
- 05.5431.ER
- 05.5431.ES

19° MEDIUM



Luminous flux luminaire 573 lm

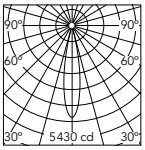
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	5386	0.34
2	1347	0.68
3	598	1.02
4	337	1.36
5	215	1.70

Optic Medium - 3000K

- 05.5436.40
- 05.5436.14
- 05.5436.EQ
- 05.5436.ER
- 05.5436.ES

20° MEDIUM



Luminous flux luminaire 599 lm

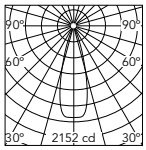
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5430	0.35
2	1357	0.69
3	603	1.04
4	339	1.39
5	217	1.73

Optic Flood - 2700K

- 05.5432.40
- 05.5432.14
- 05.5432.EQ
- 05.5432.ER
- 05.5432.ES

30° FLOOD



Luminous flux luminaire 588 lm

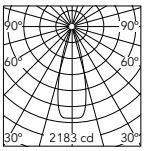
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	2152	0.54
2	538	1.09
3	239	1.63
4	134	2.18
5	86	2.72

Optic Flood - 3000K

- 05.5437.40
- 05.5437.14
- 05.5437.EQ
- 05.5437.ER
- 05.5437.ES

31° FLOOD



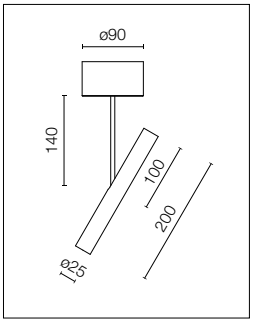
Luminous flux luminaire 615 lm

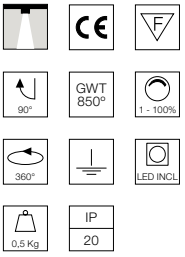
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2182	0.56
2	546	1.11
3	242	1.67
4	136	2.22
5	87	2.78

My Spot Ø25 Short Surface By Michael Anastassiades

Power LED 4,7W - 231 lm - 2700K/CRI 90 / 235 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Oberflächenanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig.

LED lighting module for surface-mounted applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product.

Optic Spot - 2700K

Non Dimmable

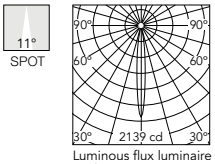
- 05.5450.40
- 05.5450.14
- 05.5450.EQ
- 05.5450.ER
- 05.5450.ES

Dali

- 05.5450.40.DA
- 05.5450.14.DA
- 05.5450.EQ.DA
- 05.5450.ER.DA
- 05.5450.ES.DA

Casambi

- 05.5450.40.CB
- 05.5450.14.CB
- 05.5450.EQ.CB
- 05.5450.ER.CB
- 05.5450.ES.CB



Luminous flux luminaire
118 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2139	0.18
2	535	0.37
3	238	0.55
4	134	0.74
5	86	0.92

Optic Spot - 3000K

Non Dimmable

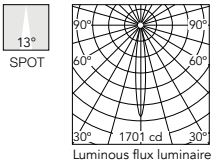
- 05.5455.40
- 05.5455.14
- 05.5455.EQ
- 05.5455.ER
- 05.5455.ES

Dali

- 05.5455.40.DA
- 05.5455.14.DA
- 05.5455.EQ.DA
- 05.5455.ER.DA
- 05.5455.ES.DA

Casambi

- 05.5455.40.CB
- 05.5455.14.CB
- 05.5455.EQ.CB
- 05.5455.ER.CB
- 05.5455.ES.CB



Luminous flux luminaire
121 lm

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	1701	0.22
2	425	0.44
3	189	0.66
4	106	0.88
5	68	1.10

Optic Medium - 2700K

Non Dimmable

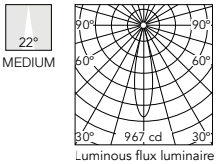
- 05.5451.40
- 05.5451.14
- 05.5451.EQ
- 05.5451.ER
- 05.5451.ES

Dali

- 05.5451.40.DA
- 05.5451.14.DA
- 05.5451.EQ.DA
- 05.5451.ER.DA
- 05.5451.ES.DA

Casambi

- 05.5451.40.CB
- 05.5451.14.CB
- 05.5451.EQ.CB
- 05.5451.ER.CB
- 05.5451.ES.CB



Luminous flux luminaire
130 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	967	0.39
2	242	0.77
3	107	1.16
4	60	1.54
5	39	1.93

Optic Medium - 3000K

Non Dimmable

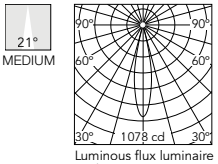
- 05.5456.40
- 05.5456.14
- 05.5456.EQ
- 05.5456.ER
- 05.5456.ES

Dali

- 05.5456.40.DA
- 05.5456.14.DA
- 05.5456.EQ.DA
- 05.5456.ER.DA
- 05.5456.ES.DA

Casambi

- 05.5456.40.CB
- 05.5456.14.CB
- 05.5456.EQ.CB
- 05.5456.ER.CB
- 05.5456.ES.CB



Luminous flux luminaire
133 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1078	0.37
2	270	0.75
3	120	1.12
4	67	1.49
5	43	1.86

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Flood - 2700K

Non Dimmable

- 05.5452.40
- 05.5452.14
- 05.5452.EQ
- 05.5452.ER
- 05.5452.ES

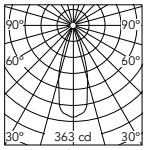
Dali

- 05.5452.40.DA
- 05.5452.14.DA
- 05.5452.EQ.DA
- 05.5452.ER.DA
- 05.5452.ES.DA

Casambi

- 05.5452.40.CB
- 05.5452.14.CB
- 05.5452.EQ.CB
- 05.5452.ER.CB
- 05.5452.ES.CB

FLOOD



Luminous flux luminaire
124 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	363	0.63
2	91	1.26
3	40	1.89
4	23	2.51
5	15	3.14

Optic Flood - 3000K

Non Dimmable

- 05.5457.40
- 05.5457.14
- 05.5457.EQ
- 05.5457.ER
- 05.5457.ES

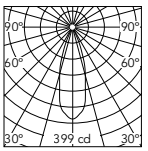
Dali

- 05.5457.40.DA
- 05.5457.14.DA
- 05.5457.EQ.DA
- 05.5457.ER.DA
- 05.5457.ES.DA

Casambi

- 05.5457.40.CB
- 05.5457.14.CB
- 05.5457.EQ.CB
- 05.5457.ER.CB
- 05.5457.ES.CB

FLOOD



Luminous flux luminaire
127 lm

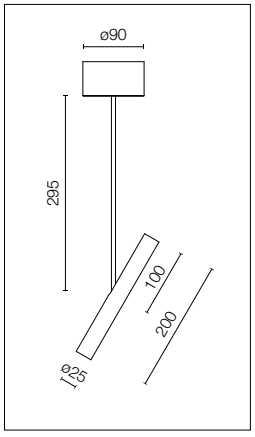
Beam Angle: 32°

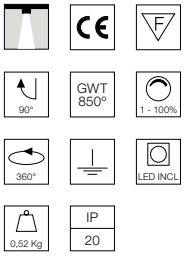
h(m)	E(lx)	D(m)
1	399	0.58
2	100	1.16
3	44	1.75
4	25	2.33
5	16	2.91

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

My Spot Ø25 Long Surface By Michael Anastassiades

Power LED 4,7W - 231 lm - 2700K/CRI 90 / 235 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Oberflächenanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig.

LED lighting module for surface-mounted applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product.

Optic Spot - 2700K

Non Dimmable

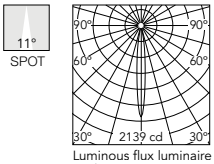
- 05.5460.40
- 05.5460.14
- 05.5460.EQ
- 05.5460.ER
- 05.5460.ES

Dali

- 05.5460.40.DA
- 05.5460.14.DA
- 05.5460.EQ.DA
- 05.5460.ER.DA
- 05.5460.ES.DA

Casambi

- 05.5460.40.CB
- 05.5460.14.CB
- 05.5460.EQ.CB
- 05.5460.ER.CB
- 05.5460.ES.CB



Luminous flux luminaire
118 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	2139	0.18
2	535	0.37
3	238	0.55
4	134	0.74
5	86	0.92

Optic Spot - 3000K

Non Dimmable

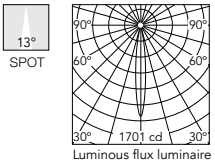
- 05.5465.40
- 05.5465.14
- 05.5465.EQ
- 05.5465.ER
- 05.5465.ES

Dali

- 05.5465.40.DA
- 05.5465.14.DA
- 05.5465.EQ.DA
- 05.5465.ER.DA
- 05.5465.ES.DA

Casambi

- 05.5465.40.CB
- 05.5465.14.CB
- 05.5465.EQ.CB
- 05.5465.ER.CB
- 05.5465.ES.CB



Luminous flux luminaire
121 lm

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	1701	0.22
2	425	0.44
3	189	0.66
4	106	0.88
5	68	1.10

Optic Medium - 2700K

Non Dimmable

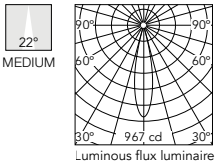
- 05.5461.40
- 05.5461.14
- 05.5461.EQ
- 05.5461.ER
- 05.5461.ES

Dali

- 05.5461.40.DA
- 05.5461.14.DA
- 05.5461.EQ.DA
- 05.5461.ER.DA
- 05.5461.ES.DA

Casambi

- 05.5461.40.CB
- 05.5461.14.CB
- 05.5461.EQ.CB
- 05.5461.ER.CB
- 05.5461.ES.CB



Luminous flux luminaire
130 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	967	0.39
2	242	0.77
3	107	1.16
4	60	1.54
5	39	1.93

Optic Medium - 3000K

Non Dimmable

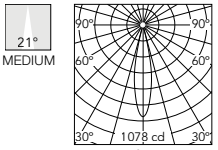
- 05.5466.40
- 05.5466.14
- 05.5466.EQ
- 05.5466.ER
- 05.5466.ES

Dali

- 05.5466.40.DA
- 05.5466.14.DA
- 05.5466.EQ.DA
- 05.5466.ER.DA
- 05.5466.ES.DA

Casambi

- 05.5466.40.CB
- 05.5466.14.CB
- 05.5466.EQ.CB
- 05.5466.ER.CB
- 05.5466.ES.CB



Luminous flux luminaire
133 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1078	0.37
2	270	0.75
3	120	1.12
4	67	1.49
5	43	1.86

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.

The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Flood - 2700K

Non Dimmable

- 05.5462.40
- 05.5462.14
- 05.5462.EQ
- 05.5462.ER
- 05.5462.ES

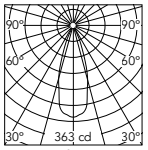
Dali

- 05.5462.40.DA
- 05.5462.14.DA
- 05.5462.EQ.DA
- 05.5462.ER.DA
- 05.5462.ES.DA

Casambi

- 05.5462.40.CB
- 05.5462.14.CB
- 05.5462.EQ.CB
- 05.5462.ER.CB
- 05.5462.ES.CB

FLOOD



Luminous flux luminaire
124 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	363	0.63
2	91	1.26
3	40	1.89
4	23	2.51
5	15	3.14

Optic Flood - 3000K

Non Dimmable

- 05.5467.40
- 05.5467.14
- 05.5467.EQ
- 05.5467.ER
- 05.5467.ES

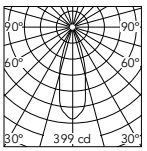
Dali

- 05.5467.40.DA
- 05.5467.14.DA
- 05.5467.EQ.DA
- 05.5467.ER.DA
- 05.5467.ES.DA

Casambi

- 05.5467.40.CB
- 05.5467.14.CB
- 05.5467.EQ.CB
- 05.5467.ER.CB
- 05.5467.ES.CB

FLOOD



Luminous flux luminaire
127 lm

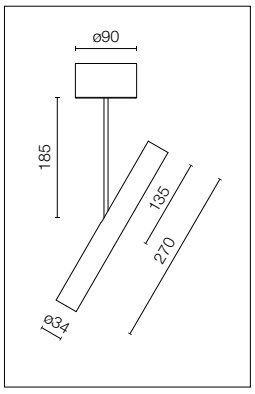
Beam Angle: 32°

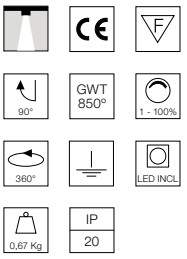
h(m)	E(lx)	D(m)
1	399	0.58
2	100	1.16
3	44	1.75
4	25	2.33
5	16	2.91

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

My Spot Ø35 Short Surface By Michael Anastassiades

LED Array
Non Dimming / Dali: 11,5W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/CRI 90
Casambi: 9,2W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Oberflächenanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig.

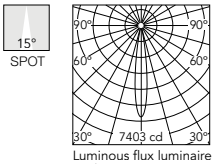
LED lighting module for surface-mounted applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product.

Optic Spot - 2700K

Non Dimmable
- 05.5470.40
- 05.5470.14
- 05.5470.EQ
- 05.5470.ER
- 05.5470.ES

Dali
- 05.5470.40.DA
- 05.5470.14.DA
- 05.5470.EQ.DA
- 05.5470.ER.DA
- 05.5470.ES.DA

Casambi
- 05.5470.40.CB
- 05.5470.14.CB
- 05.5470.EQ.CB
- 05.5470.ER.CB
- 05.5470.ES.CB



Luminous flux luminaire
531 lm

Beam Angle: 15°

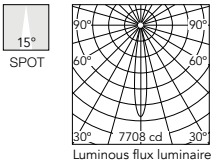
h(m)	E(lx)	D(m)
1	7403	0.26
2	1851	0.51
3	823	0.77
4	463	1.02
5	296	1.28

Optic Spot - 3000K

Non Dimmable
- 05.5475.40
- 05.5475.14
- 05.5475.EQ
- 05.5475.ER
- 05.5475.ES

Dali
- 05.5475.40.DA
- 05.5475.14.DA
- 05.5475.EQ.DA
- 05.5475.ER.DA
- 05.5475.ES.DA

Casambi
- 05.5475.40.CB
- 05.5475.14.CB
- 05.5475.EQ.CB
- 05.5475.ER.CB
- 05.5475.ES.CB



Luminous flux luminaire
556 lm

Beam Angle: 15°

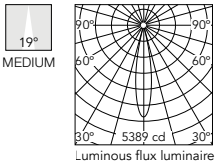
h(m)	E(lx)	D(m)
1	7708	0.26
2	1927	0.52
3	856	0.78
4	482	1.04
5	308	1.30

Optic Medium - 2700K

Non Dimmable
- 05.5471.40
- 05.5471.14
- 05.5471.EQ
- 05.5471.ER
- 05.5471.ES

Dali
- 05.5471.40.DA
- 05.5471.14.DA
- 05.5471.EQ.DA
- 05.5471.ER.DA
- 05.5471.ES.DA

Casambi
- 05.5471.40.CB
- 05.5471.14.CB
- 05.5471.EQ.CB
- 05.5471.ER.CB
- 05.5471.ES.CB



Luminous flux luminaire
573 lm

Beam Angle: 19°

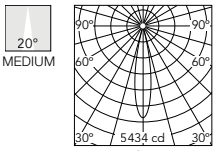
h(m)	E(lx)	D(m)
1	5389	0.34
2	1347	0.68
3	599	1.02
4	337	1.36
5	216	1.70

Optic Medium - 3000K

Non Dimmable
- 05.5476.40
- 05.5476.14
- 05.5476.EQ
- 05.5476.ER
- 05.5476.ES

Dali
- 05.5476.40.DA
- 05.5476.14.DA
- 05.5476.EQ.DA
- 05.5476.ER.DA
- 05.5476.ES.DA

Casambi
- 05.5476.40.CB
- 05.5476.14.CB
- 05.5476.EQ.CB
- 05.5476.ER.CB
- 05.5476.ES.CB



Luminous flux luminaire
599 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5434	0.35
2	1358	0.69
3	604	1.04
4	340	1.39
5	217	1.73

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Flood - 2700K

Non Dimmable

05.5472.40
05.5472.14
05.5472.EQ
05.5472.ER
05.5472.ES

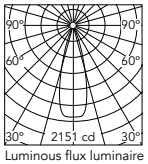
Dali

05.5472.40.DA
05.5472.14.DA
05.5472.EQ.DA
05.5472.ER.DA
05.5472.ES.DA

Casambi

05.5472.40.CB
05.5472.14.CB
05.5472.EQ.CB
05.5472.ER.CB
05.5472.ES.CB

FLOOD



Luminous flux luminaire
588 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	2151	0.54
2	538	1.09
3	239	1.63
4	134	2.18
5	86	2.72

Optic Flood - 3000K

Non Dimmable

05.5477.40
05.5477.14
05.5477.EQ
05.5477.ER
05.5477.ES

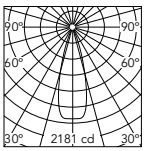
Dali

05.5477.40.DA
05.5477.14.DA
05.5477.EQ.DA
05.5477.ER.DA
05.5477.ES.DA

Casambi

05.5477.40.CB
05.5477.14.CB
05.5477.EQ.CB
05.5477.ER.CB
05.5477.ES.CB

FLOOD



Luminous flux luminaire
615 lm

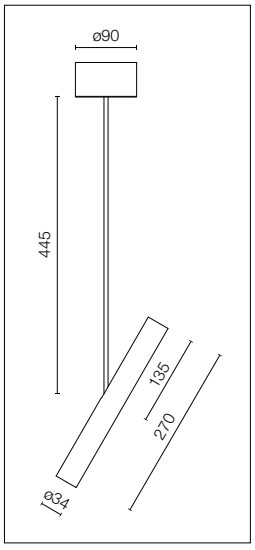
Beam Angle: 31°

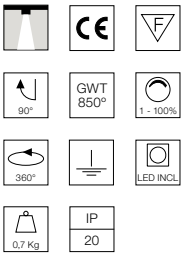
h(m)	E(lx)	D(m)
1	2181	0.56
2	545	1.11
3	242	1.67
4	136	2.22
5	87	2.78

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

My Spot Ø35 Long Surface By Michael Anastassiades

LED Array
Non Dimming / Dali: 11,5W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/CRI 90
Casambi: 9,2W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/CRI 90





LED-Beleuchtungsmodul für Oberflächenanwendungen. Optik mit Dual-Focal-Glas-Technologie, geringe Blendung und hoher Sehkomfort. Schwenk- und neigbar. In der Downlight-Position ist der Anschlussarm perfekt mit dem Produkt bündig.

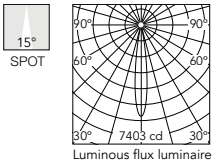
LED lighting module for surface-mounted applications. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the connector arm is perfectly flush with the product.

Optic Spot - 2700K

Non Dimmable
- 05.5480.40
- 05.5480.14
- 05.5480.EQ
- 05.5480.ER
- 05.5480.ES

Dali
- 05.5480.40.DA
- 05.5480.14.DA
- 05.5480.EQ.DA
- 05.5480.ER.DA
- 05.5480.ES.DA

Casambi
- 05.5480.40.CB
- 05.5480.14.CB
- 05.5480.EQ.CB
- 05.5480.ER.CB
- 05.5480.ES.CB



Luminous flux luminaire
531 lm

Beam Angle: 15°

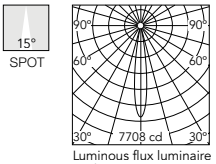
h(m)	E(lx)	D(m)
1	7403	0.26
2	1851	0.51
3	823	0.77
4	463	1.02
5	296	1.28

Optic Spot - 3000K

Non Dimmable
- 05.5485.40
- 05.5485.14
- 05.5485.EQ
- 05.5485.ER
- 05.5485.ES

Dali
- 05.5485.40.DA
- 05.5485.14.DA
- 05.5485.EQ.DA
- 05.5485.ER.DA
- 05.5485.ES.DA

Casambi
- 05.5485.40.CB
- 05.5485.14.CB
- 05.5485.EQ.CB
- 05.5485.ER.CB
- 05.5485.ES.CB



Luminous flux luminaire
556 lm

Beam Angle: 15°

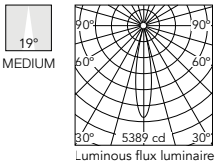
h(m)	E(lx)	D(m)
1	7708	0.26
2	1927	0.52
3	856	0.78
4	482	1.04
5	308	1.30

Optic Medium - 2700K

Non Dimmable
- 05.5481.40
- 05.5481.14
- 05.5481.EQ
- 05.5481.ER
- 05.5481.ES

Dali
- 05.5481.40.DA
- 05.5481.14.DA
- 05.5481.EQ.DA
- 05.5481.ER.DA
- 05.5481.ES.DA

Casambi
- 05.5481.40.CB
- 05.5481.14.CB
- 05.5481.EQ.CB
- 05.5481.ER.CB
- 05.5481.ES.CB



Luminous flux luminaire
573 lm

Beam Angle: 19°

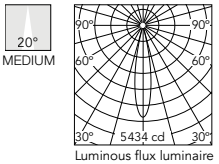
h(m)	E(lx)	D(m)
1	5389	0.34
2	1347	0.68
3	599	1.02
4	337	1.36
5	216	1.70

Optic Medium - 3000K

Non Dimmable
- 05.5486.40
- 05.5486.14
- 05.5486.EQ
- 05.5486.ER
- 05.5486.ES

Dali
- 05.5486.40.DA
- 05.5486.14.DA
- 05.5486.EQ.DA
- 05.5486.ER.DA
- 05.5486.ES.DA

Casambi
- 05.5486.40.CB
- 05.5486.14.CB
- 05.5486.EQ.CB
- 05.5486.ER.CB
- 05.5486.ES.CB



Luminous flux luminaire
599 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5434	0.35
2	1358	0.69
3	604	1.04
4	340	1.39
5	217	1.73

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

NEW

Optic Flood - 2700K

Non Dimmable

05.5482.40
05.5482.14
05.5482.EQ
05.5482.ER
05.5482.ES

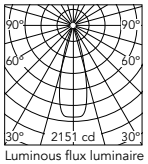
Dali

05.5482.40.DA
05.5482.14.DA
05.5482.EQ.DA
05.5482.ER.DA
05.5482.ES.DA

Casambi

05.5482.40.CB
05.5482.14.CB
05.5482.EQ.CB
05.5482.ER.CB
05.5482.ES.CB

FLOOD



Luminous flux luminaire
588 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	2151	0.54
2	538	1.09
3	239	1.63
4	134	2.18
5	86	2.72

Optic Flood - 3000K

Non Dimmable

05.5487.40
05.5487.14
05.5487.EQ
05.5487.ER
05.5487.ES

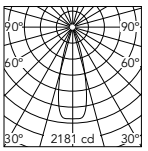
Dali

05.5487.40.DA
05.5487.14.DA
05.5487.EQ.DA
05.5487.ER.DA
05.5487.ES.DA

Casambi

05.5487.40.CB
05.5487.14.CB
05.5487.EQ.CB
05.5487.ER.CB
05.5487.ES.CB

FLOOD



Luminous flux luminaire
615 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2181	0.56
2	545	1.11
3	242	1.67
4	136	2.22
5	87	2.78

Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels App FLOS Control® powered by Casambi.
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

CAMERA

DESIGNED BY KNUD HOLSCHER

CAMERA 60

LIGHT SOURCE
LED ARRAY
Up to 20W
3000K/CRI 97
Up to 1585 lm
3500K/CRI 97
Up to 1697 lm

CAMERA 90

LIGHT SOURCE
LED ARRAY
Up to 32W
3000K/CRI 97
Up to 2585 lm
3500K/CRI 97
Up to 2715 lm

☐ WA Texturiertes Weiss
WA Textured White

■ DR Anthrazit
DR Anthracite

Produktbeschreibung
Innenleuchte für die Installation an dreiphasiger Schiene, mit leistungsstarken LED-Lichtquellen und als dimmbare und nicht dimmbare Version erhältlich.
Diese Produktgruppe ist in zwei Größen erhältlich (60 und 90).
Das optische Gehäuse der Leuchte ist das Ergebnis einer gründlichen optischen Recherche. Doppelte Fokuslinse, die speziell für diese Produkte von FLOS entwickelt wurde. Sie garantiert die maximale optische Kontrolle und eine außergewöhnliche Homogenität des Lichtstrahls. Camera nutzt die Vorteile einer innovativen, mikrostrukturierten Silikonlinse, die eine gute Kontrolle erlaubt und für absolute Effizienz, Hitzebeständigkeit und maximale Qualität bei der Lichtverteilung sorgt. Sie beinhaltet ein LED Array mit einer innovativen Lichtprojektionsbearbeitung, die eine sehr enge Optik und Allgemeinbeleuchtung ermöglicht. Vollständig integrierter “cut-off”-Dimmer.
Das optische Set beinhaltet 5 unterschiedliche Lichtstrahlöffnungen, von denen jede einzelne für eine besondere Anwendung entwickelt wurde. Ob intensiver Lichtstrahl oder Streulichteffekt, die optische Steuerung ist stets außergewöhnlich und es kommt zu keinem Lichtabfall.

Betriebsgerät
Stromversorgung mittels Konstantstrom, in nicht dimmbarer oder dimmbarer Version mittels eingebautem “on board dimmer”, Dali und Casambi.
Für die Steuerung mittels Casambi (maximal 200 Leuchten) müssen Casambi-Leuchten bestellt werden.
Für Mobilgeräte ist die app FLOS Control® powered by Casambi erforderlich (erhältlich im Apple Store und auf Google Play).

Zubehör
- Honeycomb verfügbar.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Description
Luminaire for indoor use to be mounted on three phase track, available in LED technology light sources and in dimmable and non-dimmable versions.
The family is available in two sizes (60 / 90).
The optical housing of the luminaire is the result of a careful optical research. Dual focus lens specifically developed by FLOS for these products. Ensures maximum optical control and exceptionally even light beams.
Camera takes advantage of an innovative micro-textured silicone lens that allows extreme control as well as providing absolute efficiency, heat resistance and maximum quality in light distribution.
It incorporates an LED Array with an innovative light projection treatment that allows very narrow optics and general lighting. Integrated full cut-off.
The optical kit available includes 5 differentiated beam openings, each developed for a specific target application. Whether it’s intensive beams or diffused light effects, optical control is always exceptional and fall-off is totally absent.

Power Supply
Not dimmable or dimmable 220-240V, constant current, power supply included. Dimmable versions are available with DALI, Casambi or come with a built-in on board dimmer.
For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version.
For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is required (available in the Apple Store and Google Play).

Accessories
- Honeycomb available.

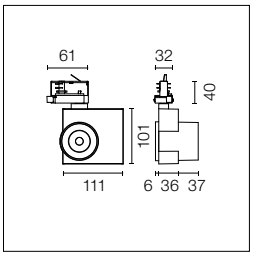
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

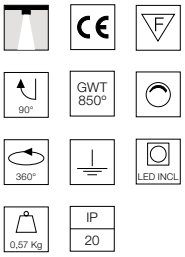
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

Camera 60 - GA 69

Super Spot: LED Array 13W - 779 lm - 3000K/CRI 97 / 13W - 817 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1585 lm - 3000K/CRI 97 / 20W - 1697 lm - 3500K/CRI 97



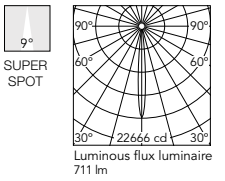


Projektor für die Installation in einer dreiphasigen Schiene mit LED-Lichtquelle. Stromversorgung: 220–240 V, 50–60 Hz.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Optic Super Spot 3000K

Non Dimmable
09.8110.WA
09.8110.DR
On Board Dimmer
09.8110.WA.PC
09.8110.DR.PC

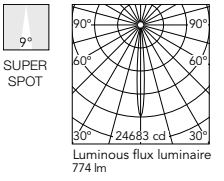


Luminous flux luminaire 711 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 22666	0.16
2 5667	0.32
3 2518	0.48
4 1417	0.63
5 907	0.79

Optic Super Spot 3500K

Non Dimmable
09.8115.WA
09.8115.DR
On Board Dimmer
09.8115.WA.PC
09.8115.DR.PC

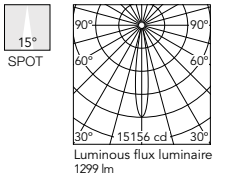


Luminous flux luminaire 774 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 24683	0.16
2 6171	0.32
3 2743	0.48
4 1543	0.63
5 987	0.79

Optic Spot 3000K

Non Dimmable
09.8111.WA
09.8111.DR
On Board Dimmer
09.8111.WA.PC
09.8111.DR.PC

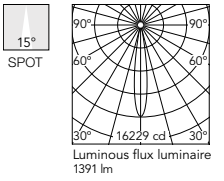


Luminous flux luminaire 1299 lm

Beam Angle:	15°
h(m) E(lx)	D(m)
1 15156	0.27
2 3789	0.54
3 1684	0.81
4 947	1.09
5 606	1.36

Optic Spot 3500K

Non Dimmable
09.8116.WA
09.8116.DR
On Board Dimmer
09.8116.WA.PC
09.8116.DR.PC

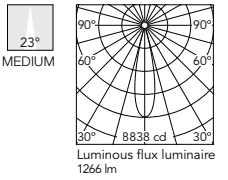


Luminous flux luminaire 1391 lm

Beam Angle:	15°
h(m) E(lx)	D(m)
1 16229	0.27
2 4057	0.54
3 1803	0.81
4 1014	1.09
5 649	1.36

Optic Medium 3000K

Non Dimmable
09.8112.WA
09.8112.DR
On Board Dimmer
09.8112.WA.PC
09.8112.DR.PC

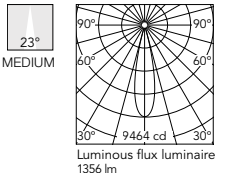


Luminous flux luminaire 1266 lm

Beam Angle:	23°
h(m) E(lx)	D(m)
1 8838	0.41
2 2210	0.81
3 982	1.22
4 552	1.62
5 354	2.03

Optic Medium 3500K

Non Dimmable
09.8117.WA
09.8117.DR
On Board Dimmer
09.8117.WA.PC
09.8117.DR.PC

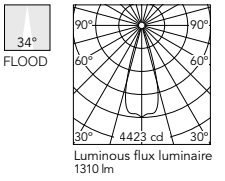


Luminous flux luminaire 1356 lm

Beam Angle:	23°
h(m) E(lx)	D(m)
1 9464	0.41
2 2366	0.81
3 1052	1.22
4 591	1.62
5 379	2.03

Optic Flood 3000K

Non Dimmable
09.8113.WA
09.8113.DR
On Board Dimmer
09.8113.WA.PC
09.8113.DR.PC

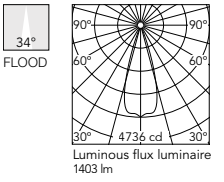


Luminous flux luminaire 1310 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 4423	0.61
2 1106	1.21
3 491	1.82
4 276	2.42
5 177	3.03

Optic Flood 3500K

Non Dimmable
09.8118.WA
09.8118.DR
On Board Dimmer
09.8118.WA.PC
09.8118.DR.PC

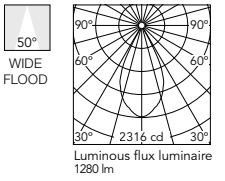


Luminous flux luminaire 1403 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 4736	0.61
2 1184	1.21
3 526	1.82
4 296	2.42
5 189	3.03

Optic Wide Flood 3000K

Non Dimmable
09.8114.WA
09.8114.DR
On Board Dimmer
09.8114.WA.PC
09.8114.DR.PC

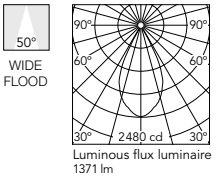


Luminous flux luminaire 1280 lm

Beam Angle:	50°
h(m) E(lx)	D(m)
1 2316	0.94
2 579	1.89
3 257	2.83
4 145	3.77
5 92	4.72

Optic Wide Flood 3500K

Non Dimmable
09.8119.WA
09.8119.DR
On Board Dimmer
09.8119.WA.PC
09.8119.DR.PC



Luminous flux luminaire 1371 lm

Beam Angle:	50°
h(m) E(lx)	D(m)
1 2480	0.94
2 620	1.89
3 276	2.83
4 155	3.77
5 99	4.72

Zubehör / Accessories

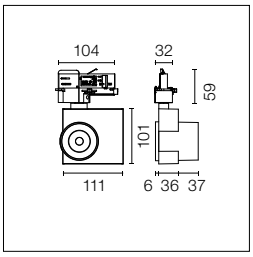
Camera 60

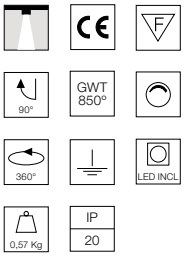
Honeycomb
Honeycomb

Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

Camera 60 - GA 600

Super Spot: LED Array 13W - 779 lm - 3000K/CRI 97 / 13W - 817 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1585 lm - 3000K/CRI 97 / 20W - 1697 lm - 3500K/CRI 97





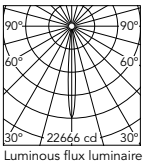
Projektor für die Installation in einer dreiphasigen Schiene mit LED-Lichtquelle. Stromversorgung: 220–240 V, 50–60 Hz.
Für die DALI-Version benötigen Sie dimmbare Schienen (siehe Kapitel "Tracks").

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
DALI version requires dimmable tracks (please refer to the "Tracks" chapter).

Optic Super Spot 3000K

Dali Version
09.8110.WA.DA
09.8110.DR.DA

9° SUPER SPOT



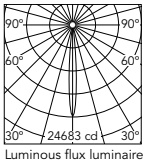
Luminous flux luminaire 711 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 22666	0.16
2 5667	0.32
3 2518	0.48
4 1417	0.63
5 907	0.79

Optic Super Spot 3500K

Dali Version
09.8115.WA.DA
09.8115.DR.DA

9° SUPER SPOT



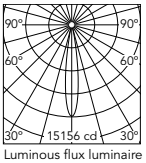
Luminous flux luminaire 774 lm

Beam Angle:	9°
h(m) E(lx)	D(m)
1 24683	0.16
2 6171	0.32
3 2743	0.48
4 1543	0.63
5 987	0.79

Optic Spot 3000K

Dali Version
09.8111.WA.DA
09.8111.DR.DA

15° SPOT



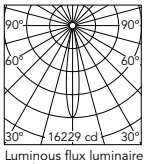
Luminous flux luminaire 1299 lm

Beam Angle:	15°
h(m) E(lx)	D(m)
1 15156	0.27
2 3789	0.54
3 1684	0.81
4 947	1.09
5 606	1.36

Optic Spot 3500K

Dali Version
09.8116.WA.DA
09.8116.DR.DA

15° SPOT



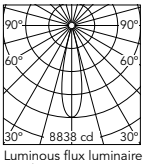
Luminous flux luminaire 1391 lm

Beam Angle:	15°
h(m) E(lx)	D(m)
1 16229	0.27
2 4057	0.54
3 1803	0.81
4 1014	1.09
5 649	1.36

Optic Medium 3000K

Dali Version
09.8112.WA.DA
09.8112.DR.DA

23° MEDIUM



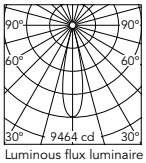
Luminous flux luminaire 1266 lm

Beam Angle:	23°
h(m) E(lx)	D(m)
1 8838	0.41
2 2210	0.81
3 982	1.22
4 552	1.62
5 354	2.03

Optic Medium 3500K

Dali Version
09.8117.WA.DA
09.8117.DR.DA

23° MEDIUM



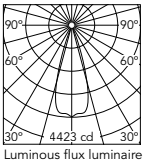
Luminous flux luminaire 1356 lm

Beam Angle:	23°
h(m) E(lx)	D(m)
1 9464	0.41
2 2366	0.81
3 1052	1.22
4 591	1.62
5 379	2.03

Optic Flood 3000K

Dali Version
09.8113.WA.DA
09.8113.DR.DA

34° FLOOD



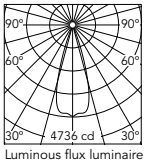
Luminous flux luminaire 1310 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 4423	0.61
2 1106	1.21
3 491	1.82
4 276	2.42
5 177	3.03

Optic Flood 3500K

Dali Version
09.8118.WA.DA
09.8118.DR.DA

34° FLOOD



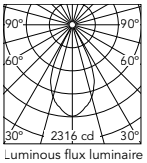
Luminous flux luminaire 1403 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 4736	0.61
2 1184	1.21
3 526	1.82
4 296	2.42
5 189	3.03

Optic Wide Flood 3000K

Dali Version
09.8114.WA.DA
09.8114.DR.DA

50° WIDE FLOOD



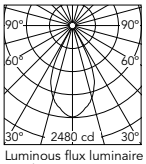
Luminous flux luminaire 1280 lm

Beam Angle:	50°
h(m) E(lx)	D(m)
1 2316	0.94
2 579	1.89
3 257	2.83
4 145	3.77
5 92	4.72

Optic Wide Flood 3500K

Dali Version
09.8119.WA.DA
09.8119.DR.DA

50° WIDE FLOOD



Luminous flux luminaire 1371 lm

Beam Angle:	50°
h(m) E(lx)	D(m)
1 2480	0.94
2 620	1.89
3 276	2.83
4 155	3.77
5 99	4.72

Zubehör / Accessories

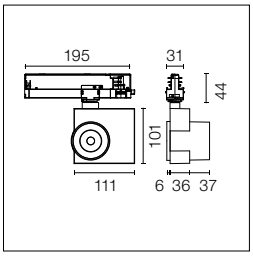
Camera 60

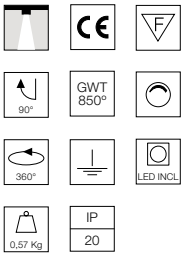
Honeycomb
Honeycomb

Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

Camera 60 - Casambi

Super Spot: LED Array 13W - 779 lm - 3000K/CRI 97 / 13W - 817 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1585 lm - 3000K/CRI 97 / 20W - 1697 lm - 3500K/CRI 97





Projektor für die Installation in einer dreiphasigen Schiene mit LED-Lichtquelle. Stromversorgung: 220–240 V, 50–60 Hz.
Casambi, maximaler Abstand zwischen den Geräten: 10 m.

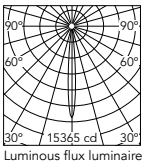
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
Casambi, maximum distance between fixtures: 10m.

Optic Super Spot 3000K

*Casambi integrated

☐ 09.8110.WAACB
■ 09.8110.DRACB

9° SUPER SPOT



Luminous flux luminaire 476 lm

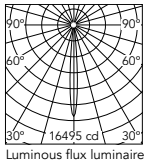
Beam Angle:	9°
h(m) E(lx)	D(m)
1 15365	0.16
2 3841	0.32
3 1707	0.48
4 960	0.64
5 615	0.79

Optic Super Spot 3500K

*Casambi integrated

☐ 09.8115.WAACB
■ 09.8115.DRACB

9° SUPER SPOT



Luminous flux luminaire 511 lm

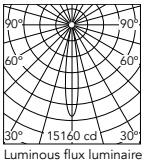
Beam Angle:	9°
h(m) E(lx)	D(m)
1 16495	0.16
2 4124	0.32
3 1833	0.48
4 1031	0.64
5 660	0.79

Optic Spot 3000K

*Casambi integrated

☐ 09.8111.WAACB
■ 09.8111.DRACB

15° SPOT



Luminous flux luminaire 1299 lm

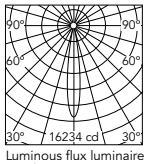
Beam Angle:	15°
h(m) E(lx)	D(m)
1 15160	0.27
2 3790	0.54
3 1684	0.81
4 947	1.09
5 606	1.36

Optic Spot 3500K

*Casambi integrated

☐ 09.8116.WAACB
■ 09.8116.DRACB

15° SPOT



Luminous flux luminaire 1391 lm

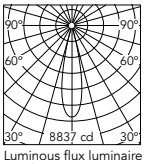
Beam Angle:	15°
h(m) E(lx)	D(m)
1 16234	0.27
2 4058	0.54
3 1804	0.81
4 1015	1.09
5 649	1.36

Optic Medium 3000K

*Casambi integrated

☐ 09.8112.WAACB
■ 09.8112.DRACB

23° MEDIUM



Luminous flux luminaire 1266 lm

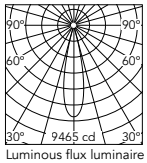
Beam Angle:	23°
h(m) E(lx)	D(m)
1 8837	0.41
2 2209	0.81
3 982	1.22
4 552	1.62
5 353	2.03

Optic Medium 3500K

*Casambi integrated

☐ 09.8117.WAACB
■ 09.8117.DRACB

23° MEDIUM



Luminous flux luminaire 1356 lm

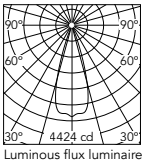
Beam Angle:	23°
h(m) E(lx)	D(m)
1 9465	0.41
2 2366	0.81
3 1052	1.22
4 592	1.62
5 379	2.03

Optic Flood 3000K

*Casambi integrated

☐ 09.8113.WAACB
■ 09.8113.DRACB

34° FLOOD



Luminous flux luminaire 1310 lm

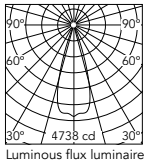
Beam Angle:	34°
h(m) E(lx)	D(m)
1 4424	0.61
2 1106	1.21
3 492	1.82
4 276	2.42
5 177	3.03

Optic Flood 3500K

*Casambi integrated

☐ 09.8118.WAACB
■ 09.8118.DRACB

34° FLOOD



Luminous flux luminaire 1403 lm

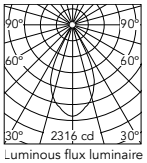
Beam Angle:	34°
h(m) E(lx)	D(m)
1 4738	0.61
2 1184	1.21
3 526	1.82
4 296	2.42
5 190	3.03

Optic Wide Flood 3000K

*Casambi integrated

☐ 09.8114.WAACB
■ 09.8114.DRACB

50° WIDE FLOOD



Luminous flux luminaire 1280 lm

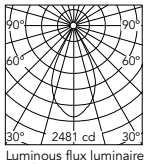
Beam Angle:	50°
h(m) E(lx)	D(m)
1 2316	0.94
2 579	1.89
3 257	2.83
4 145	3.77
5 93	4.72

Optic Wide Flood 3500K

*Casambi integrated

☐ 09.8119.WAACB
■ 09.8119.DRACB

50° WIDE FLOOD



Luminous flux luminaire 1371 lm

Beam Angle:	50°
h(m) E(lx)	D(m)
1 2481	0.94
2 620	1.89
3 276	2.83
4 155	3.77
5 99	4.72

Zubehör / Accessories

Camera 60

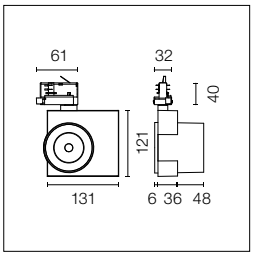
Honeycomb
Honeycomb

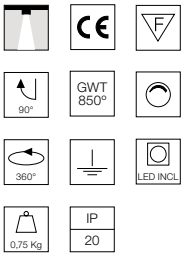
Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

* Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

Camera 90 - GA 69

Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97





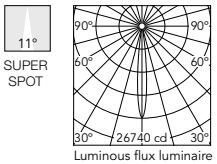
Projektor für die Installation in einer dreiphasigen Schiene mit LED-Lichtquelle. Stromversorgung: 220–240 V, 50–60 Hz.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Optic Super Spot 3000K

Non Dimmable
- 09.8210.WA
- 09.8210.DR

On Board Dimmer
- 09.8210.WA.PC
- 09.8210.DR.PC



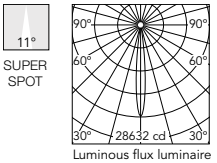
Luminous flux luminaire 1275 lm

Beam Angle:	11°
h(m)	E(lx)	D(m)
1	26740	0.20
2	6685	0.39
3	2971	0.59
4	1671	0.78
5	1070	0.98

Optic Super Spot 3500K

Non Dimmable
- 09.8215.WA
- 09.8215.DR

On Board Dimmer
- 09.8215.WA.PC
- 09.8215.DR.PC



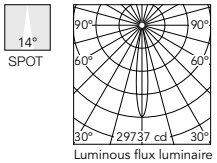
Luminous flux luminaire 1365 lm

Beam Angle:	11°
h(m)	E(lx)	D(m)
1	28632	0.20
2	7158	0.39
3	3181	0.59
4	1789	0.78
5	1145	0.98

Optic Spot 3000K

Non Dimmable
- 09.8211.WA
- 09.8211.DR

On Board Dimmer
- 09.8211.WA.PC
- 09.8211.DR.PC



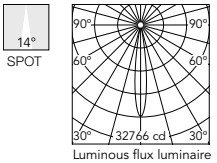
Luminous flux luminaire 2078 lm

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	29737	0.25
2	7434	0.49
3	3304	0.74
4	1859	0.99
5	1189	1.24

Optic Spot 3500K

Non Dimmable
- 09.8216.WA
- 09.8216.DR

On Board Dimmer
- 09.8216.WA.PC
- 09.8216.DR.PC



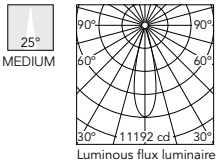
Luminous flux luminaire 2290 lm

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	32766	0.25
2	8192	0.49
3	3641	0.74
4	2048	0.99
5	1311	1.24

Optic Medium 3000K

Non Dimmable
- 09.8212.WA
- 09.8212.DR

On Board Dimmer
- 09.8212.WA.PC
- 09.8212.DR.PC



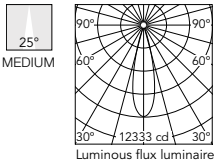
Luminous flux luminaire 2091 lm

Beam Angle:	25°
h(m)	E(lx)	D(m)
1	11192	0.45
2	2798	0.90
3	1244	1.35
4	700	1.80
5	448	2.25

Optic Medium 3500K

Non Dimmable
- 09.8217.WA
- 09.8217.DR

On Board Dimmer
- 09.8217.WA.PC
- 09.8217.DR.PC



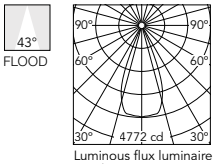
Luminous flux luminaire 2304 lm

Beam Angle:	25°
h(m)	E(lx)	D(m)
1	12333	0.45
2	3083	0.90
3	1370	1.35
4	771	1.80
5	493	2.25

Optic Flood 3000K

Non Dimmable
- 09.8213.WA
- 09.8213.DR

On Board Dimmer
- 09.8213.WA.PC
- 09.8213.DR.PC



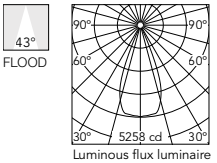
Luminous flux luminaire 2066 lm

Beam Angle:	43°
h(m)	E(lx)	D(m)
1	4772	0.78
2	1193	1.56
3	530	2.34
4	298	3.12
5	191	3.90

Optic Flood 3500K

Non Dimmable
- 09.8218.WA
- 09.8218.DR

On Board Dimmer
- 09.8218.WA.PC
- 09.8218.DR.PC



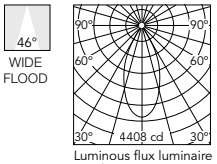
Luminous flux luminaire 2276 lm

Beam Angle:	43°
h(m)	E(lx)	D(m)
1	5258	0.78
2	1315	1.56
3	584	2.34
4	329	3.12
5	210	3.90

Optic Wide Flood 3000K

Non Dimmable
- 09.8214.WA
- 09.8214.DR

On Board Dimmer
- 09.8214.WA.PC
- 09.8214.DR.PC



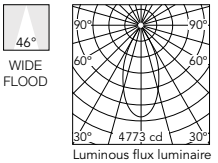
Luminous flux luminaire 2464 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	4408	0.84
2	1101	1.68
3	490	2.52
4	276	3.36
5	177	4.19

Optic Wide Flood 3500K

Non Dimmable
- 09.8219.WA
- 09.8219.DR

On Board Dimmer
- 09.8219.WA.PC
- 09.8219.DR.PC



Luminous flux luminaire 2668 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	4773	0.84
2	1193	1.68
3	531	2.52
4	299	3.36
5	192	4.19

Zubehör / Accessories

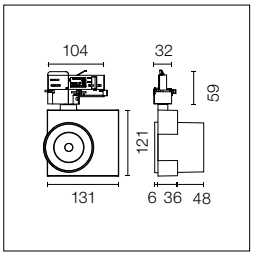
Camera 90

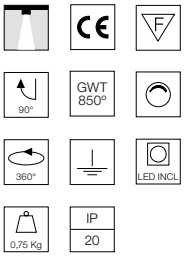
Honeycomb
Honeycomb

Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

Camera 90 - GA 600

Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97





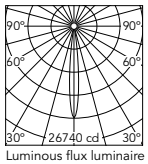
Projektor für die Installation in einer dreiphasigen Schiene mit LED-Lichtquelle. Stromversorgung: 220–240 V, 50–60 Hz.
Für die DALI-Version benötigen Sie dimmbare Schienen (siehe Kapitel "Tracks").

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
DALI version requires dimmable tracks (please refer to the "Tracks" chapter).

Optic Super Spot 3000K

Dali Version
09.8210.WA.DA
09.8210.DR.DA

11° SUPER SPOT



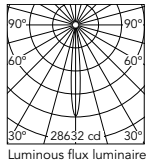
Luminous flux luminaire 1275 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 26740	0.20
2 6685	0.39
3 2971	0.59
4 1671	0.78
5 1070	0.98

Optic Super Spot 3500K

Dali Version
09.8215.WA.DA
09.8215.DR.DA

11° SUPER SPOT



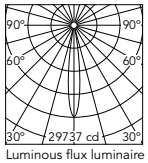
Luminous flux luminaire 1365 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 28632	0.20
2 7158	0.39
3 3181	0.59
4 1789	0.78
5 1145	0.98

Optic Spot 3000K

Dali Version
09.8211.WA.DA
09.8211.DR.DA

14° SPOT



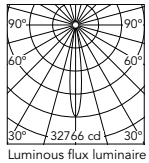
Luminous flux luminaire 2078 lm

Beam Angle:	14°
h(m) E(lx)	D(m)
1 29737	0.25
2 7434	0.49
3 3304	0.74
4 1859	0.99
5 1189	1.24

Optic Spot 3500K

Dali Version
09.8216.WA.DA
09.8216.DR.DA

14° SPOT



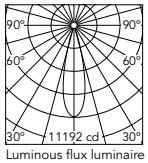
Luminous flux luminaire 2290 lm

Beam Angle:	14°
h(m) E(lx)	D(m)
1 32766	0.25
2 8192	0.49
3 3641	0.74
4 2048	0.99
5 1311	1.24

Optic Medium 3000K

Dali Version
09.8212.WA.DA
09.8212.DR.DA

25° MEDIUM



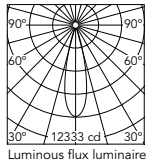
Luminous flux luminaire 2091 lm

Beam Angle:	25°
h(m) E(lx)	D(m)
1 11192	0.45
2 2798	0.90
3 1244	1.35
4 700	1.80
5 448	2.25

Optic Medium 3500K

Dali Version
09.8217.WA.DA
09.8217.DR.DA

25° MEDIUM



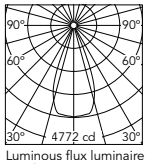
Luminous flux luminaire 2304 lm

Beam Angle:	25°
h(m) E(lx)	D(m)
1 12333	0.45
2 3083	0.90
3 1370	1.35
4 771	1.80
5 493	2.25

Optic Flood 3000K

Dali Version
09.8213.WA.DA
09.8213.DR.DA

43° FLOOD



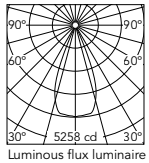
Luminous flux luminaire 2066 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 4772	0.78
2 1193	1.56
3 530	2.34
4 298	3.12
5 191	3.90

Optic Flood 3500K

Dali Version
09.8218.WA.DA
09.8218.DR.DA

43° FLOOD



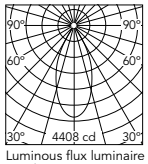
Luminous flux luminaire 2276 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 5258	0.78
2 1315	1.56
3 584	2.34
4 329	3.12
5 210	3.90

Optic Wide Flood 3000K

Dali Version
09.8214.WA.DA
09.8214.DR.DA

46° WIDE FLOOD



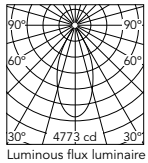
Luminous flux luminaire 2464 lm

Beam Angle:	46°
h(m) E(lx)	D(m)
1 4408	0.84
2 1101	1.68
3 490	2.52
4 276	3.36
5 177	4.19

Optic Wide Flood 3500K

Dali Version
09.8219.WA.DA
09.8219.DR.DA

46° WIDE FLOOD



Luminous flux luminaire 2668 lm

Beam Angle:	46°
h(m) E(lx)	D(m)
1 4773	0.84
2 1193	1.68
3 531	2.52
4 299	3.36
5 192	4.19

Zubehör / Accessories

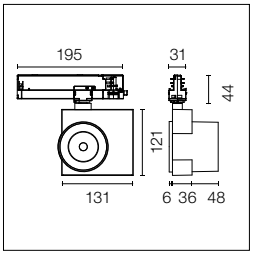
Camera 90

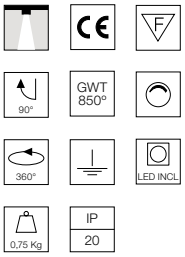
Honeycomb
Honeycomb

Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

Camera 90 - Casambi

Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97





Projektor für die Installation in einer dreiphasigen Schiene mit LED-Lichtquelle. Stromversorgung: 220–240 V, 50–60 Hz.
Casambi, maximaler Abstand zwischen den Geräten: 10 m.

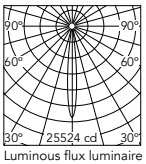
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
Casambi, maximum distance between fixtures: 10m.

Optic Super Spot 3000K

*Casambi integrated

09.8210.WAACB
09.8210.DRACB

11° SUPER SPOT



Luminous flux luminaire 1217 lm

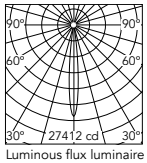
Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	25524	0.20
2	6381	0.39
3	2836	0.59
4	1595	0.78
5	1021	0.98

Optic Super Spot 3500K

*Casambi integrated

09.8215.WAACB
09.8215.DRACB

11° SUPER SPOT



Luminous flux luminaire 1307 lm

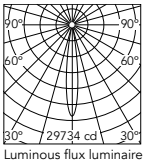
Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	27412	0.20
2	6853	0.39
3	3046	0.59
4	1713	0.78
5	1096	0.98

Optic Spot 3000K

*Casambi integrated

09.8211.WAACB
09.8211.DRACB

14° SPOT



Luminous flux luminaire 2078 lm

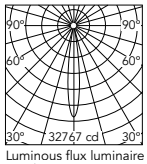
Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	29734	0.25
2	7433	0.49
3	3304	0.74
4	1858	0.99
5	1189	1.24

Optic Spot 3500K

*Casambi integrated

09.8216.WAACB
09.8216.DRACB

14° SPOT



Luminous flux luminaire 2290 lm

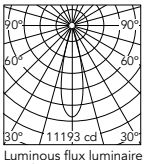
Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	32767	0.25
2	8192	0.49
3	3641	0.74
4	2048	0.99
5	1311	1.24

Optic Medium 3000K

*Casambi integrated

09.8212.WAACB
09.8212.DRACB

25° MEDIUM



Luminous flux luminaire 2091 lm

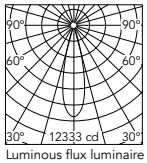
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	11193	0.45
2	2798	0.90
3	1244	1.35
4	700	1.80
5	448	2.25

Optic Medium 3500K

*Casambi integrated

09.8217.WAACB
09.8217.DRACB

25° MEDIUM



Luminous flux luminaire 2304 lm

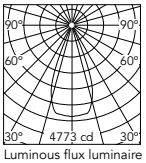
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	12333	0.45
2	3083	0.90
3	1370	1.35
4	771	1.80
5	493	2.25

Optic Flood 3000K

*Casambi integrated

09.8213.WAACB
09.8213.DRACB

43° FLOOD



Luminous flux luminaire 2066 lm

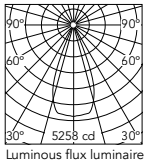
Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	4773	0.78
2	1193	1.56
3	530	2.34
4	298	3.12
5	191	3.90

Optic Flood 3500K

*Casambi integrated

09.8218.WAACB
09.8218.DRACB

43° FLOOD



Luminous flux luminaire 2276 lm

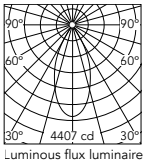
Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	5258	0.78
2	1314	1.56
3	584	2.34
4	329	3.12
5	210	3.90

Optic Wide Flood 3000K

*Casambi integrated

09.8214.WAACB
09.8214.DRACB

46° WIDE FLOOD



Luminous flux luminaire 2464 lm

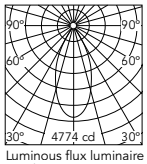
Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	4407	0.84
2	1102	1.68
3	490	2.52
4	275	3.36
5	176	4.19

Optic Wide Flood 3500K

*Casambi integrated

09.8219.WAACB
09.8219.DRACB

46° WIDE FLOOD



Luminous flux luminaire 2669 lm

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	4774	0.84
2	1194	1.68
3	530	2.52
4	298	3.36
5	191	4.19

Zubehör / Accessories

Camera 90

Honeycomb
Honeycomb

Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

* Die Steuerung bei den Casambi-Leuchten erfolgt direkt und individuell kabellos mittels der App FLOS Control® powered by Casambi / The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi.

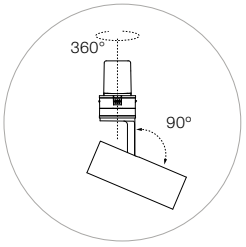
FIND ME

DESIGNED BY JORGE HERRERA

FIND ME 0 TRIM / NO TRIM	FIND ME 1 TRIM / NO TRIM	FIND ME 1 SUSPENSION	FIND ME 2 TRIM / NO TRIM	FIND ME 3 TRACK
LIGHT SOURCE POWER LED 3,5W 300 lm 2700K/CRI 90 325 lm 3000K/CRI 90	**LIGHT SOURCE** POWER LED 6W 560 lm 2700K/CRI 90 600 lm 3000K/CRI 90		**LIGHT SOURCE** POWER LED 10W 860 lm 2700K/CRI 90 900 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 25,8W 3298 lm 2700K/CRI 97 3523 lm 3000K/CRI 97

	30 Weiss 30 White	14 Schwarz 14 Black	05 Polished Silver 05 Polished Silver
Mono Point			
Track			
Suspension			
Abschirmkegel-Farben (inbegriffen) Screening Cylinder Colours (included)	Orange Orange	Schwarz Black	Violett Violet

Drehbar um 360° und schwenkbar 90°.
Can be rotated 360° and swivelled 90°.



reddot design award
winner 2013

Produktbeschreibung
Strahlerfamilie für Innenräume mit einfacher Montage auf Schienen und an Gipskartondecken. Die Leuchte ist in folgenden Ausführungen erhältlich: Mono Point, Track und Suspension.
Die Ausführung Mono Point wird mit einem zylinderförmigen Einbaurahmen geliefert, auf dem das Beleuchtungsmodul installiert wird. Dieses Beleuchtungsmodul dient in der oberen Position als Downlight und verwandelt sich in der unteren Position in einen schwenkbaren Strahler
Mono Point wird mit einem Rahmen geliefert, der je nachdem, ob Trim- oder No-Trim-Ausführung gewünscht ist, angebracht oder weggelassen werden kann.
Die Ausführung Suspension ist eine Variante der Mono Point-Ausführung. Ihr Hauptmerkmal ist die hängende Montage.
Die Ausführung Track wird mit einem Adapter für den Anschluss an 3-Phasen-Stromschienen geliefert.

Reflektoren
Die Leuchten mit Montage an Gipskartondecken werden mit der Optik Accent Lighting geliefert. Die Ausführung für das Schienensystem ist in der Optik Spot, Medium und Flood erhältlich.

Betriebsgerät
Bei Ausführungen mit Deckenmontage an Gipskartonplatten wird das Produkt vorverdrahtet geliefert für den Anschluss an ein Remote-Netzteil (nicht im Lieferumfang enthalten). Dieses ist an einer zugänglichen Stelle anzubringen oder sollte durch die Aussparung passen:
Find Me 0: 50 mm.
Find Me 1: 62 mm.
Find Me 2: 70 mm.

Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Zubehör
Die Ausführung Suspension verfügt, in der Lichtquelle integriert, über einen untereinander austauschbaren Abschirmzylinder in Orange, Violett oder Schwarz. Bei Find Me 1 und 2 ist professionelles Zubehör inklusive.

Zusatzinformationen
Das Schwenksystem ermöglicht auf der Vertikalachse eine Drehung um 360° und auf der Horizontalachse um 90°.
Schutzgrad IP20.
Schutzklasse III für die Ausführungen Mono Point und Suspension und Schutzklasse II für die Ausführung Track.
Die Kombination der Modelle Find Me 3 und Find Me 0/1/2 können kleine Abweichungen in der Farbtemperatur des Lichtes bewirken. Es wird empfohlen, das Modell Find Me 3 nicht mit dem Modell Find Me 0/1/2 in gemeinsam genutzten Räumen zu kombinieren.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Spotlight family for indoor use, easy to mount on plasterboard ceilings and tracks. The luminaire is available in the Mono Point, Track and Suspension versions.
The Mono Point version is supplied with a recessed cylindrical frame which houses the lighting module. This lighting module can be placed in its upper position, functioning as a downlight, or in its lower position, becoming an adjustable spotlight.
The Mono Point version is supplied with a frame, installable fitted to the product if a Trim version is required, or not fitted if a No Trim version is required.
The Suspension version is a variant of the Mono Point version. Its main feature is its suspended mounting.
The Track version is supplied with an adapter for being used on three-phase tracks.

Reflectors
The models for installation in plasterboard ceilings are supplied with accent lighting optics. The track version is available in Spot, Medium and Flood optics.

Power Supply
For plasterboard ceiling installation versions, the product is supplied prewired, ready to be connected to a remote power supply (not included) installed in an accessible location or to be passed through the ceiling cut-out:
Find Me 0: 50 mm.
Find Me 1: 62 mm.
Find Me 2: 70 mm.

Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Accessories
The Suspension version comes with an anti-glare cylinder in 3 colors: orange, violet or black, which are interchangeable between them and incorporated into the light fixture. For Find Me 1 and 2: professional accessories included.

Additional Information
Adjustment system allowing 360° rotation on the vertical axis and 90° rotation on the horizontal axis.
IP20 protection rating.
Class III insulation for the Mono Point and Suspension versions, and class II insulation for the Track version.
The combination of models Find Me 3 and Find Me 0/1/2 can lead to small differences in chromaticity in the light. It is recommended not to combine the Find Me 3 model with the Find Me 0/1/2 in shared spaces.

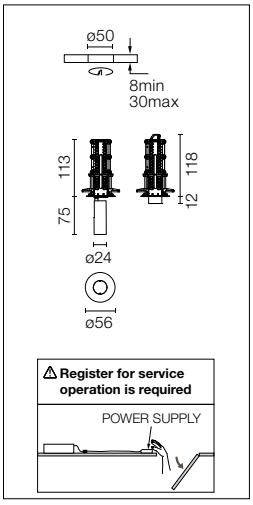
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

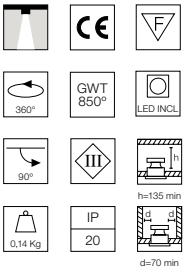
Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Suspension Surface | Suspension Recessed | Mono Point No Trim | Mono Point Trim

Find Me 0 (Trim / No Trim)

Power LED DC 250 mA - 3W - 300 lm - 2700K/CRI 90 / 3W - 325 lm - 3000K/CRI 90





Schwenkbare Einbauleuchte für Innenräume. Fern-Netzteil 250 mA nicht eingeschlossen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).
Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.
installed in an accessible place.
Es wird nicht empfohlen, einstellbare Treiber verschiedener Marken zu verwenden, da diese spezielle Regelungskurven haben.

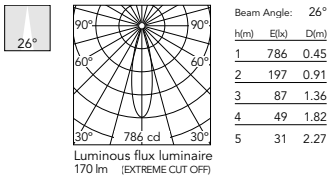
Recessed adjustable luminaire for indoor application. Remote power supply 250 mA not included.
Accessories included (honeycomb and screening crosspiece).
Remote power supply to be installed in an accessible place.
It is not recommended to use dimmable drivers of several brands due to the specific dimming curves of each brand.

Empfohlene Netzgeräte und Anzahl der Leuchten pro Driver (L)* /
Recommended power supply and number of luminaires per driver (L)*:

1/2/3L* Non Dimmable 100-240V	60.9744
1/2/3L* Non Dimmable 220-240V	60.9160
1/2/3L* Dimmable Dali 2 220-240V	60.9601
1/2/3L* Dimmable 0-10V 220-240V	60.9405
2/3L* Mains Dimming 220-240V	60.9421
Casambi	60.9392 + 0-10V/Dali driver

Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
09.3781.30A
09.3781.05A
09.3781.14A

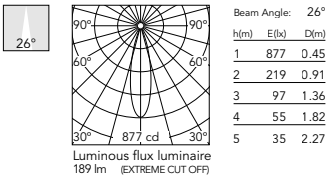


Luminous flux luminaire
170 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	786	0.45
2	197	0.91
3	87	1.36
4	49	1.82
5	31	2.27

3000K
09.3780.30A
09.3780.05A
09.3780.14A



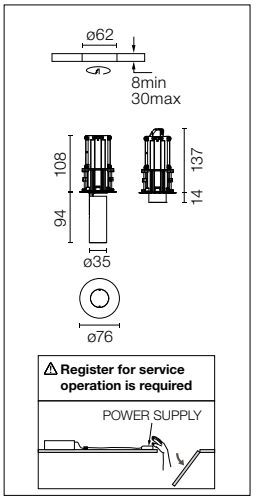
Luminous flux luminaire
189 lm (EXTREME CUT OFF)

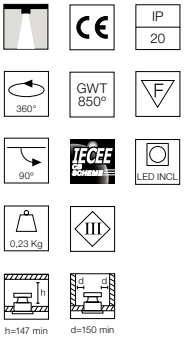
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	877	0.45
2	219	0.91
3	97	1.36
4	55	1.82
5	35	2.27

Find Me 1 (Trim / No Trim)

Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90





Schwenkbare Einbauleuchte für Innenräume. Fern-Netzteil 500 mA nicht eingeschlossen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).
Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.
installed in an accessible place.

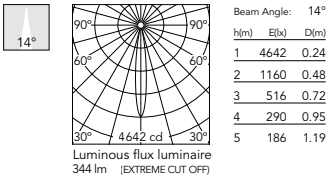
Recessed adjustable luminaire for indoor application. Remote power supply 500 mA not included.
Accessories included (honeycomb and screening crosspiece).
Remote power supply to be installed in an accessible place.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 220-240V	60.9160
Non Dimmable 110-240V	60.8880
Dimmable Dali 2 110-240V	60.9222
Mains Dimming 220-240V	60.9467
Dimmable 0/1-10V&Push 110/240V	60.9188
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 09.3751.30A
- 09.3751.05A
- 09.3751.14A

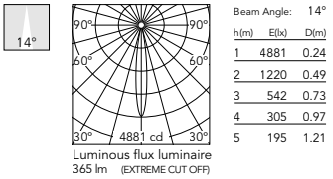


Luminous flux luminaire
344 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K
- 09.3750.30A
- 09.3750.05A
- 09.3750.14A

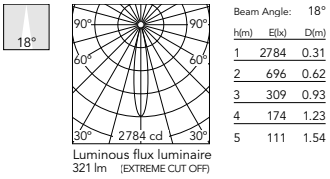


Luminous flux luminaire
365 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

2700K
- 09.3756.30A
- 09.3756.05A
- 09.3756.14A

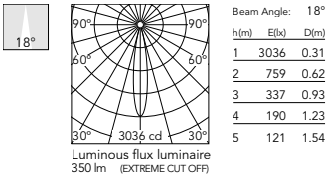


Luminous flux luminaire
321 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2784	0.31
2	696	0.62
3	309	0.93
4	174	1.23
5	111	1.54

3000K
- 09.3755.30A
- 09.3755.05A
- 09.3755.14A



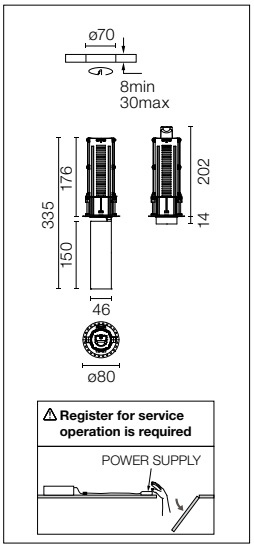
Luminous flux luminaire
350 lm (EXTREME CUT OFF)

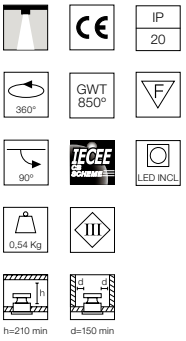
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3036	0.31
2	759	0.62
3	337	0.93
4	190	1.23
5	121	1.54

Find Me 2 (Trim / No Trim)

Power LED DC max 850 mA - 10W - 915 Lm - 2700K/CRI 90 / 10W - 960 lm - 3000K/CRI 90





Schwenkbare Einbauleuchte für Innenräume. Fern-Netzteil nicht eingeschlossen.
Inkludiertes Zubehör (Honeycomb und Blendschutzgitter).
Remote-Netzteil zur Anbringung an einer zugänglichen Stelle.
installed in an accessible place.

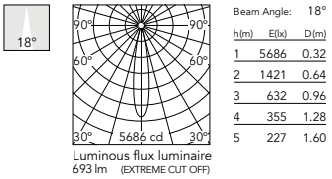
Recessed adjustable luminaire for indoor application. Remote power supply not included.
Accessories included (honeycomb and screening crosspiece).
Remote power supply to be installed in an accessible place.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable MC 110-240V	60.8911
Non Dimmable MC 220-240V	60.7677
Non Dimmable 700mA 110-240V	60.8529A
Dimmable Dali 1 220-240V	60.7678
Mains Dimming	60.9467
Dim 1-10V/Dim Dali/Push MC 110-240V	60.8530
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
09.3707.30C
09.3707.05C
09.3707.14C

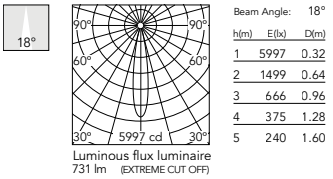


Luminous flux luminaire
693 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	5686	0.32
2	1421	0.64
3	632	0.96
4	355	1.28
5	227	1.60

3000K
09.3708.30C
09.3708.05C
09.3708.14C



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

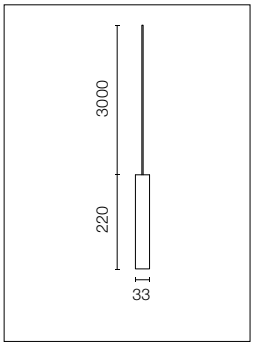
Beam Angle: 18°

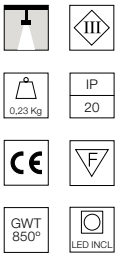
h(m)	E(lx)	D(m)
1	5997	0.32
2	1499	0.64
3	666	0.96
4	375	1.28
5	240	1.60

	2700K		3000K	
Driver current (mA)	**Luminous flux (lm)**	**Power (W)**	**Luminous flux (lm)**	**Power (W)**
850	915	10	960	10
800	870	9	916	9
750	825	8,5	870	8,5
700	775	8	825	8

Find Me 1 Suspension

Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90





Hängeleuchte für die Deckenmontage. Das Produkt enthält einen austauschbaren Abschirmzylinder in verschiedenen Farben (Orange, Violett und Schwarz). Fern-Netzteil 500 mA nicht eingeschlossen.

Suspended ceiling-mounted luminaire. The product includes interchangeable shield cylinder in different colours (orange, violet and black). Remote power supply 500 mA not included.

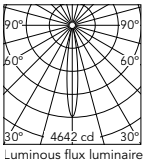
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 220-240V	60.9160
Non Dimmable 110-240V	60.8880
Dimmable Dali 2 110-240V	60.9222
Mains Dimming 220-240V	60.9467
Dimmable 0/1-10V&Push 110/240V	60.9188
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 09.3711.30C
- 09.3711.05C
- 09.3711.14C



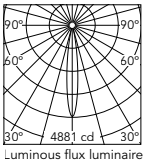
Luminous flux luminaire
344 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K

- 09.3710.30C
- 09.3710.05C
- 09.3710.14C



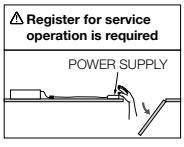
Luminous flux luminaire
365 lm (EXTREME CUT OFF)

Beam Angle: 14°

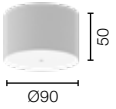
h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

Zubehör / Accessories

Einspeisungsbaldachin eingebaut. Recessed power supply rose. 08.8782.30



Einspeisungsbaldachin aufgebaut. Surface power supply rose.



Non Dimmable

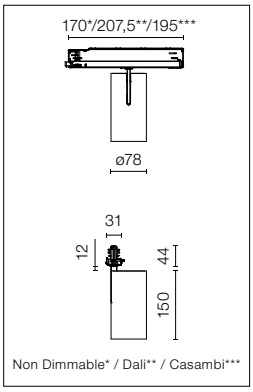
- 08.8783.30A
- 08.8783.05A
- 08.8783.14A

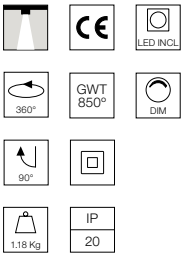
Dali

- 08.8783.30ADA
- 08.8783.05ADA
- 08.8783.14ADA

Find Me 3 Track

Led Array max 850 mA - 25,8W - 3298 lm - 2700K/CRI 97 / 25,8W - 3523 lm - 3000K/CRI 97





Leuchte zur Montage an eine 3-Phasen-Stromschiene. Drei Öffnungswinkel (Spot, Medium und Flutlicht). Steuerungssysteme DALI und Casambi.

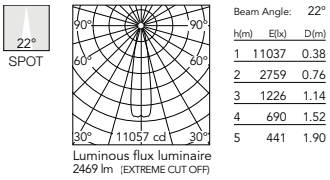
Luminaire to be installed in three-phase track. Three opening angles options (Spot, Medium and Flood). DALI and Casambi dimming systems.

2700K
Spot

Non Dimmable
- 09.3603.40A
- 09.3603.14A

Dali Version
- 09.3603.40ADA
- 09.3603.14ADA

Casambi
- 09.3603.40ACB
- 09.3603.14ACB



Beam Angle: 22°

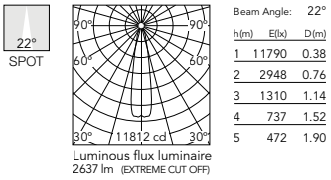
h(m)	E(lx)	D(m)
1	11037	0.38
2	2759	0.76
3	1226	1.14
4	690	1.52
5	441	1.90

3000K
Spot

Non Dimmable
- 09.3600.40A
- 09.3600.14A

Dali Version
- 09.3600.40ADA
- 09.3600.14ADA

Casambi
- 09.3600.40ACB
- 09.3600.14ACB



Beam Angle: 22°

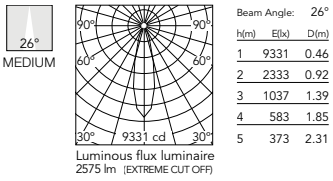
h(m)	E(lx)	D(m)
1	11790	0.38
2	2948	0.76
3	1310	1.14
4	737	1.52
5	472	1.90

Medium

Non Dimmable
- 09.3604.40A
- 09.3604.14A

Dali Version
- 09.3604.40ADA
- 09.3604.14ADA

Casambi
- 09.3604.40ACB
- 09.3604.14ACB



Beam Angle: 26°

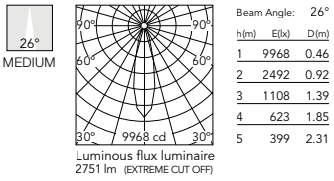
h(m)	E(lx)	D(m)
1	9331	0.46
2	2333	0.92
3	1037	1.39
4	583	1.85
5	373	2.31

Medium

Non Dimmable
- 09.3601.40A
- 09.3601.14A

Dali Version
- 09.3601.40ADA
- 09.3601.14ADA

Casambi
- 09.3601.40ACB
- 09.3601.14ACB



Beam Angle: 26°

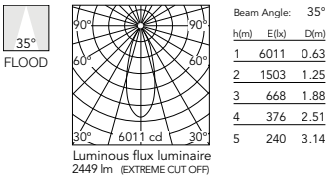
h(m)	E(lx)	D(m)
1	9968	0.46
2	2492	0.92
3	1108	1.39
4	623	1.85
5	399	2.31

Flood

Non Dimmable
- 09.3605.40A
- 09.3605.14A

Dali Version
- 09.3605.40ADA
- 09.3605.14ADA

Casambi
- 09.3605.40ACB
- 09.3605.14ACB



Beam Angle: 35°

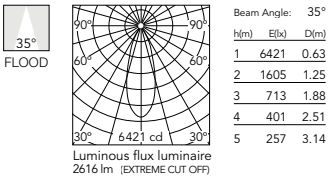
h(m)	E(lx)	D(m)
1	6011	0.63
2	1503	1.25
3	668	1.88
4	376	2.51
5	240	3.14

Flood

Non Dimmable
- 09.3602.40A
- 09.3602.14A

Dali Version
- 09.3602.40ADA
- 09.3602.14ADA

Casambi
- 09.3602.40ACB
- 09.3602.14ACB



Beam Angle: 35°

h(m)	E(lx)	D(m)
1	6421	0.63
2	1605	1.25
3	713	1.88
4	401	2.51
5	257	3.14

UT SPOT CEILING Ø57

LIGHT SOURCE
LED ARRAY
23,5W
2400 lm
3000K/CRI 80
Up to 18,7W
1950 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT CEILING Ø86

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
Up to 32,4W
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT SPOT TRACK Ø57

LIGHT SOURCE
LED ARRAY
23,5W
2500 lm
3000K/CRI 80
Up to 19W
2000 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT TRACK Ø86

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
Up to 32,8W
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT SPOT TRACK WALL-WASHER Ø86

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
Up to 32,8W
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT SPOT TRACK Ø57

LIGHT SOURCE
LED ARRAY
23,5W
2500 lm
3000K/CRI 80
Up to 19,5W
2000 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT TRACK Ø86

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33,8W
3770 lm
3000K/CRI 80
Up to 14,7W
3116 lm
3000K/CRI 90
3246 lm
4000K/CRI 90

UT SPOT TRACK MULTICHIP Ø86

LIGHT SOURCE
TOP LED
11,5W
850 lm
3000K/CRI 90
950 lm
3000K/CRI 80
1000 lm
4000K/CRI 80

UT SPOT TRACK WALL-WASHER Ø86

LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
Up to 32,1W
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT PRO 150 GA-69	UT PRO 175 GA-69	UT PRO 175 LENS GA-69	UT PRO WALL-WASHER GA-69
LIGHT SOURCE LED ARRAY 21W 2524 lm 3000K/CRI 80 2183 lm 3000K/CRI 90 2360 lm 4000K/CRI 90	**LIGHT SOURCE** LED ARRAY 46,5W 4740 lm 3000K/CRI 80 3960 lm 3000K/CRI 90 4278 lm 4000K/CRI 90	**LIGHT SOURCE** LED ARRAY 35,3W 3950 lm 3000K/CRI 80 3250 lm 3000K/CRI 90 3400 lm 4000K/CRI 90	**LIGHT SOURCE** TOP LED 25,5W 2700 lm 3000K/CRI 90 2900 lm 4000K/CRI 90

☐ 30 Weiss
30 White

■ 14 Schwarz
14 Black

☐ 30 Weiss
30 White

■ 14 Schwarz
14 Black

☐ 30.78 All White
30.78 All White

UT PRO 150	UT PRO 175	UT PRO 175 LENS	UT PRO WALL-WASHER

* Siehe The Tracking Power / Refer to The Tracking Power chapter

Produktbeschreibung
Innenraumleuchte für die Installation auf 3-Phasenstromschiene oder an Decken. Erhältlich für Lichtquellen mit hocheffizienter LED-Technologie sowie in DALI- und Nicht-DIM-Version.
Die Familie ist in verschiedene Modelle / Größen erhältlich (Ø57 Ø 75 und Ø86 und Rectangular WW) und wird in zwei Montageoptionen angeboten: Track (volle Installationsflexibilität), Ceiling (unabhängige Installation).
Diese Leuchte bietet Multichip-Varianten (für Öffnungswinkeln *Super Spot*) und Wall-Washer in zylindrischer Form (nur Ø86-Version).
Der optische Leuchtenkörper ist aus Aluminium Hochdruckguss mit Pulverbeschichtung in Weiß oder Schwarz gefertigt.
Fernnetzgerät in der Deckenversion inbegriffen.
Auch als UT Downlight erhältlich (siehe Abschnitt Downlights im Katalog).

Betriebsgerät
Netzteil für konstante Stromzufuhr mit oder ohne DALI-Steuerung 220-240V eingeschlossen.
Mit Potentiometer in der Track Version mit Box.
Die Versionen mit integriertem Adapter haben kein Potentiometer.

Lichtquelle
Möglichkeit, auf Anfrage einen anderen LED-Typ zu integrieren. Für weitere Informationen kontaktieren Sie bitte unser Team.

Zubehör
- Querabschirmung, elliptische linse, fluterlinse und honeycomb verfügbar.
- Haltering (UT Spot ø86).

Zusatzinformationen
Auf normal entflammbaren Oberflächen einsetzbar.
Die FLOS Schienenleuchten wurden für 3-Phasen Standardschienen, die von FLOS empfohlen werden, entwickelt und umfassend getestet. Ihre Kompatibilität ist mit denen von Nordic Aluminium produzierten 3-Phasen-Schienen garantiert. Kompatibilität mit Eutrac auf Anfrage. Wenn Sie die Kompatibilität mit anderen Schienen überprüfen möchten, kontaktieren Sie bitte FLOS vor der Installation.
Die FLOS 3-phasen DALI-Schienenleuchten sind für Pulse DALI Protokoll von Nordic Aluminium entwickelt.
- UT Spot ø86 (Track / Ceiling):
Die LED-Module der Modellreihe LED Array entsprechen dem neuesten Stand der Technik, der sich durch eine geringere Durchschnittstemperatur im elektronischen Betrieb auszeichnet. Dank dieser Eigenschaft kann die Lichtquelle, innerhalb der Sicherheitsparameter, mit einer höheren Leistung betrieben werden und einen 20 % größeren Lichtstrom erzeugen.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
A luminaire for indoor use to be mounted on three phase track or on ceilings, available in LED technology light sources and in DALI and non-DIM versions.
The family is available in various models / sizes (Ø57 Ø75 and Ø86 and Rectagular WW) and two mounting options are available: Track (complete installation flexibility) and Ceiling (independent installation).
The luminaire offers the Multichip variant (to obtain opening angles *Super Spot*) and the cylindrical Wall-Washer (only Ø86 version).
The optical housing of the luminaire is manufactured in high-pressure injected aluminium, with white or black finishes.
Remote driver included in ceiling versions.
Also available UT Downlight (see Downlights catalogue section).

Power Supply
Not dimmable or dimmable Dali 220-240V, constant current, power supply included.
Includes a on board potentiometer in the track with box version. Versions with a on board adapter do not include a potentiometer.

Light Source
Possibility to integrate a different type of LED upon request. For more information, please contact our team.

Accessories
- Screening crosspiece, elliptical lens, flood lens and honeycomb.
- Support ring (UT Spot ø86).

Additional Information
Suitable for installation on normally inflammable surfaces.
FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS. Compatibility is guaranteed with three-phase track produced by Nordic Aluminium. Compatibility with Eutrac under request. To verify compatibility with any other track, please contact FLOS before installation.
FLOS three-phase DALI track luminaires are designed for Pulse DALI from Nordic Aluminium.
- UT Spot ø86 (Track / Ceiling):
The LED modules installed on the LED Array versions have cutting-edge technology that permit a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters, yet still offer 20% added luminous flux.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

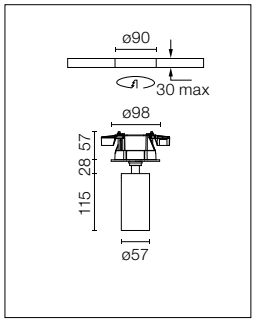
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

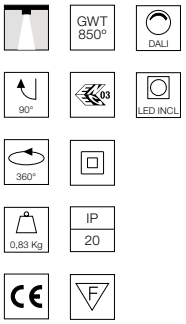
UT Spot Ceiling

UT Spot Track

Ut Spot Ceiling Ø57

LED Array
Non Dimming: 23,5W - 2400 lm - 3000K/CRI 80 / 18,3W - 1950 lm - 3000K/CRI 90 / 18,3W - 2150 lm - 4000K/CRI 90
Dali: 23,5W - 2400 lm - 3000K/CRI 80 / 18,7W - 1950 lm - 3000K/CRI 90 / 18,7W - 2150 lm - 4000K/CRI 90



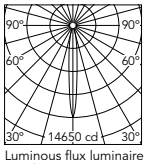


Deckenstrahler mit LED-Lampe. Fernnetzgerät mit 220-240V, 50-60Hz inbegriffen.

Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

3000K - CRI 80
Non Dimmable
09.4460.30A
09.4460.14A
Dali Version
09.4460.30ADA
09.4460.14ADA

10° SPOT



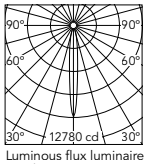
Luminous flux luminaire 1255 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14650	0.18
2	3662	0.36
3	1628	0.54
4	916	0.72
5	586	0.90

4000K - CRI 90
Non Dimmable
09.4470.30C
09.4470.14C
Dali Version
09.4470.30CDA
09.4470.14CDA

10° SPOT



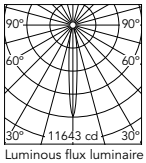
Luminous flux luminaire 1094 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	12780	0.18
2	3195	0.36
3	1420	0.54
4	799	0.72
5	511	0.90

3000K - CRI 90
Non Dimmable
09.4463.30C
09.4463.14C
Dali Version
09.4463.30CDA
09.4463.14CDA

10° SPOT



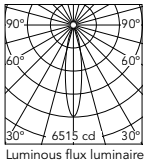
Luminous flux luminaire 997 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11643	0.18
2	2911	0.36
3	1294	0.54
4	728	0.72
5	466	0.90

3000K - CRI 80
Non Dimmable
09.4461.30A
09.4461.14A
Dali Version
09.4461.30ADA
09.4461.14ADA

21° MEDIUM



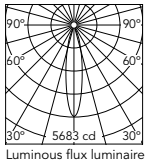
Luminous flux luminaire 1184 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6515	0.37
2	1629	0.73
3	724	1.10
4	407	1.47
5	261	1.83

4000K - CRI 90
Non Dimmable
09.4471.30C
09.4471.14C
Dali Version
09.4471.30CDA
09.4471.14CDA

21° MEDIUM



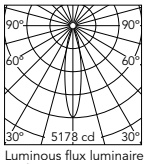
Luminous flux luminaire 1033 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5683	0.37
2	1421	0.73
3	631	1.10
4	355	1.47
5	227	1.83

3000K - CRI 90
Non Dimmable
09.4464.30C
09.4464.14C
Dali Version
09.4464.30CDA
09.4464.14CDA

21° MEDIUM



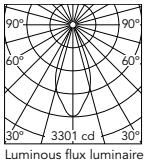
Luminous flux luminaire 941 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5178	0.37
2	1294	0.73
3	575	1.10
4	324	1.47
5	207	1.83

3000K - CRI 80
Non Dimmable
09.4462.30A
09.4462.14A
Dali Version
09.4462.30ADA
09.4462.14ADA

42° FLOOD



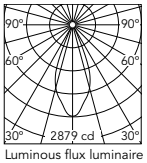
Luminous flux luminaire 1394 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	3301	0.76
2	825	1.52
3	367	2.28
4	206	3.05
5	132	3.81

4000K - CRI 90
Non Dimmable
09.4472.30C
09.4472.14C
Dali Version
09.4472.30CDA
09.4472.14CDA

42° FLOOD



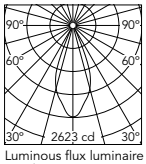
Luminous flux luminaire 1216 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2879	0.76
2	720	1.52
3	320	2.28
4	180	3.05
5	115	3.81

3000K - CRI 90
Non Dimmable
09.4465.30C
09.4465.14C
Dali Version
09.4465.30CDA
09.4465.14CDA

42° FLOOD



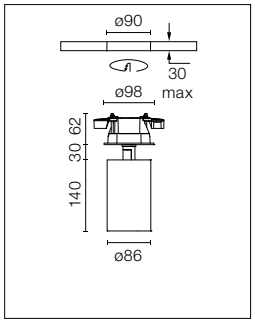
Luminous flux luminaire 1108 lm

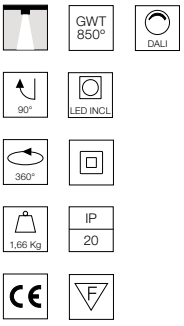
Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2623	0.76
2	656	1.52
3	291	2.28
4	164	3.05
5	105	3.81

Ut Spot Ceiling Ø86

LED Array High Performances
Non Dimming: 33W - 3960 lm - 3000K/CRI 80 / 31,9W - 3250 lm - 3000K/CRI 90 / 31,9W - 3500 lm - 4000K/CRI 90
Dali: 33W - 3960 lm - 3000K/CRI 80 / 32,4W - 3250 lm - 3000K/CRI 90 / 32,4W - 3500 lm - 4000K/CRI 90



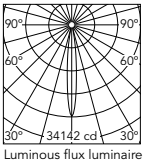


Deckenstrahler mit LED-Lampe. Fernnetzgerät mit 220-240V, 50-60Hz inbegriffen.

Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

3000K - CRI 80
Non Dimmable
09.4860.30A
09.4860.14A
Dali Version
09.4860.30BDA
09.4860.14BDA

12° SPOT



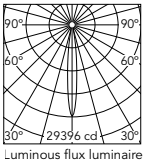
Luminous flux luminaire 2650 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

4000K - CRI 90
Non Dimmable
09.4870.30C
09.4870.14C
Dali Version
09.4870.30CDA
09.4870.14CDA

12° SPOT



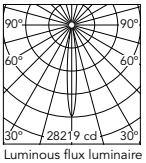
Luminous flux luminaire 2281 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 90
Non Dimmable
09.4863.30C
09.4863.14C
Dali Version
09.4863.30CDA
09.4863.14CDA

12° SPOT



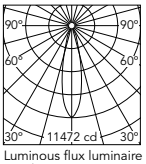
Luminous flux luminaire 2190 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

3000K - CRI 80
Non Dimmable
09.4861.30A
09.4861.14A
Dali Version
09.4861.30BDA
09.4861.14BDA

24° MEDIUM



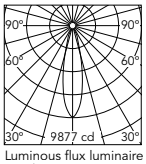
Luminous flux luminaire 2528 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

4000K - CRI 90
Non Dimmable
09.4871.30C
09.4871.14C
Dali Version
09.4871.30CDA
09.4871.14CDA

24° MEDIUM



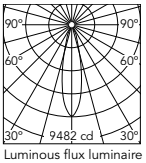
Luminous flux luminaire 2176 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 90
Non Dimmable
09.4864.30C
09.4864.14C
Dali Version
09.4864.30CDA
09.4864.14CDA

24° MEDIUM



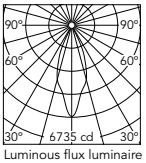
Luminous flux luminaire 2089 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

3000K - CRI 80
Non Dimmable
09.4862.30A
09.4862.14A
Dali Version
09.4862.30BDA
09.4862.14BDA

37° FLOOD



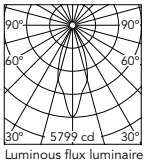
Luminous flux luminaire 2408 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

4000K - CRI 90
Non Dimmable
09.4872.30C
09.4872.14C
Dali Version
09.4872.30CDA
09.4872.14CDA

37° FLOOD



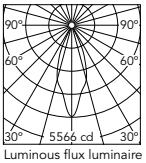
Luminous flux luminaire 2074 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

3000K - CRI 90
Non Dimmable
09.4865.30C
09.4865.14C
Dali Version
09.4865.30CDA
09.4865.14CDA

37° FLOOD



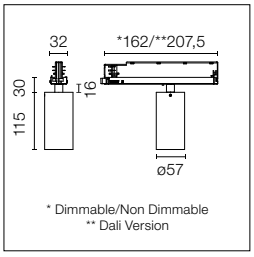
Luminous flux luminaire 1991 lm

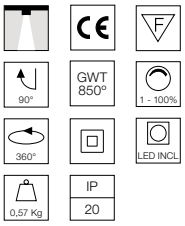
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

Ut Spot Track Ø57

LED Array
Non Dimming: 23,5W - 2500 lm - 3000K/CRI 80 / 18,3W - 2000 lm - 3000K/CRI 90 / 18,3W- 2150 lm - 4000K/CRI 90
Dali: 23,5W - 2500 lm - 3000K/CRI 80 / 19W - 2000 lm - 3000K/CRI 90 / 19W- 2150 lm - 4000K/CRI 90





Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

Bei den Versionen 30 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Finishes Available

3000K - CRI 80
Non Dimmable
- 09.7700.30A
- 09.7700.14A

Non Dimmable All White
- 09.7700.30A78

Dali 2
- 09.7700.30CDA
- 09.7700.14CDA

Dali 2 All White
- 09.7700.30CYU

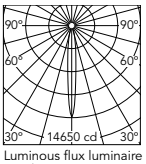
3000K - CRI 90
Non Dimmable
- 09.7706.30C
- 09.7706.14C

Non Dimmable All White
- 09.7706.30C78

Dali 2
- 09.7706.30CDA
- 09.7706.14CDA

Dali 2 All White
- 09.7706.30CYU

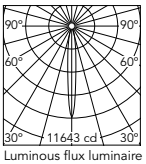
10° SPOT



Luminous flux luminaire 1255 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 14650	0.18
2 3662	0.36
3 1628	0.54
4 916	0.72
5 586	0.90

10° SPOT



Luminous flux luminaire 997 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 11643	0.18
2 2911	0.36
3 1294	0.54
4 728	0.72
5 466	0.90

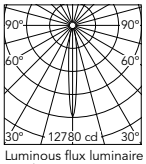
4000K - CRI 90
Non Dimmable
- 09.7701.30C
- 09.7701.14C

Non Dimmable All White
- 09.7701.30C78

Dali 2
- 09.7701.30CDA
- 09.7701.14CDA

Dali 2 All White
- 09.7701.30CYU

10° SPOT



Luminous flux luminaire 1094 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 12780	0.18
2 3195	0.36
3 1420	0.54
4 799	0.72
5 511	0.90

3000K - CRI 80
Non Dimmable
- 09.7702.30A
- 09.7702.14A

Non Dimmable All White
- 09.7702.30A78

Dali 2
- 09.7702.30CDA
- 09.7702.14CDA

Dali 2 All White
- 09.7702.30CYU

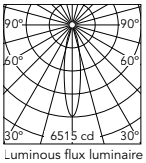
3000K - CRI 90
Non Dimmable
- 09.7707.30C
- 09.7707.14C

Non Dimmable All White
- 09.7707.30C78

Dali 2
- 09.7707.30CDA
- 09.7707.14CDA

Dali 2 All White
- 09.7707.30CYU

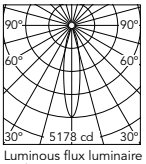
21° MEDIUM



Luminous flux luminaire 1184 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 6515	0.37
2 1629	0.73
3 724	1.10
4 407	1.47
5 261	1.83

21° MEDIUM



Luminous flux luminaire 941 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5178	0.37
2 1294	0.73
3 575	1.10
4 324	1.47
5 207	1.83

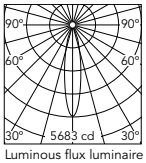
4000K - CRI 90
Non Dimmable
- 09.7703.30C
- 09.7703.14C

Non Dimmable All White
- 09.7703.30C78

Dali 2
- 09.7703.30CDA
- 09.7703.14CDA

Dali 2 All White
- 09.7703.30CYU

21° MEDIUM



Luminous flux luminaire 1033 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5683	0.37
2 1421	0.73
3 631	1.10
4 355	1.47
5 227	1.83

3000K - CRI 80
Non Dimmable
- 09.7704.30A
- 09.7704.14A

Non Dimmable All White
- 09.7704.30A78

Dali 2
- 09.7704.30CDA
- 09.7704.14CDA

Dali 2 All White
- 09.7704.30CYU

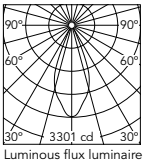
3000K - CRI 90
Non Dimmable
- 09.7708.30C
- 09.7708.14C

Non Dimmable All White
- 09.7708.30C78

Dali 2
- 09.7708.30CDA
- 09.7708.14CDA

Dali 2 All White
- 09.7708.30CYU

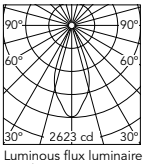
42° FLOOD



Luminous flux luminaire 1394 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 3301	0.76
2 825	1.52
3 367	2.28
4 206	3.05
5 132	3.81

42° FLOOD



Luminous flux luminaire 1108 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 2623	0.76
2 656	1.52
3 291	2.28
4 164	3.05
5 105	3.81

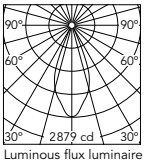
4000K - CRI 90
Non Dimmable
- 09.7705.30C
- 09.7705.14C

Non Dimmable All White
- 09.7705.30C78

Dali 2
- 09.7705.30CDA
- 09.7705.14CDA

Dali 2 All White
- 09.7705.30CYU

42° FLOOD

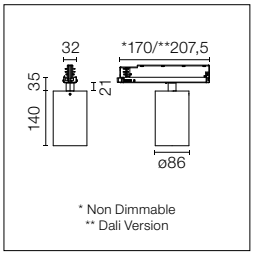


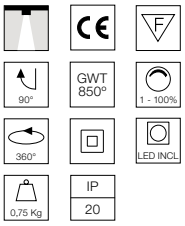
Luminous flux luminaire 1216 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 2879	0.76
2 720	1.52
3 320	2.28
4 180	3.05
5 115	3.81

Ut Spot Track Ø86

LED Array High Performances
Non Dimming: 33W - 3770 lm - 3000K/CRI 80 / 32,3W - 3116 lm - 3000K/CRI 90 / 32,3W - 3246 lm - 4000K/CRI 90
Dali: 33W - 3770 lm - 3000K/CRI 80 / 32,8W - 3116 lm - 3000K/CRI 90 / 32,8W - 3246 lm - 4000K/CRI 90





Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

Bei den Versionen 30 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Finishes Available

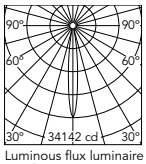
3000K - CRI 80

Non Dimmable
09.7750.30B
09.7750.14B
Non Dimmable All White
09.7750.30B78
Dali 2
09.7750.30BDA
09.7750.14BDA
Dali 2 All White
09.7750.30BYU

3000K - CRI 90

Non Dimmable
09.7756.30C
09.7756.14C
Non Dimmable All White
09.7756.30C78
Dali 2
09.7756.30CDA
09.7756.14CDA
Dali 2 All White
09.7756.30CYU

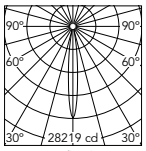
12° SPOT



Luminous flux luminaire 2650 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

12° SPOT



Luminous flux luminaire 2190 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

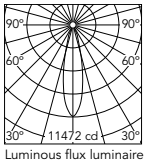
3000K - CRI 80

Non Dimmable
09.7752.30B
09.7752.14B
Non Dimmable All White
09.7752.30B78
Dali 2
09.7752.30BDA
09.7752.14BDA
Dali 2 All White
09.7752.30BYU

3000K - CRI 90

Non Dimmable
09.7757.30C
09.7757.14C
Non Dimmable All White
09.7757.30C78
Dali 2
09.7757.30CDA
09.7757.14CDA
Dali 2 All White
09.7757.30CYU

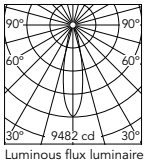
24° MEDIUM



Luminous flux luminaire 2528 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

24° MEDIUM



Luminous flux luminaire 2089 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

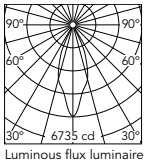
3000K - CRI 80

Non Dimmable
09.7754.30B
09.7754.14B
Non Dimmable All White
09.7754.30B78
Dali 2
09.7754.30BDA
09.7754.14BDA
Dali 2 All White
09.7754.30BYU

3000K - CRI 90

Non Dimmable
09.7758.30C
09.7758.14C
Non Dimmable All White
09.7758.30C78
Dali 2
09.7758.30CDA
09.7758.14CDA
Dali 2 All White
09.7758.30CYU

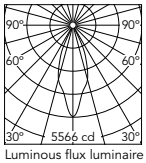
37° FLOOD



Luminous flux luminaire 2408 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

37° FLOOD



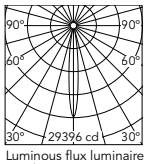
Luminous flux luminaire 1991 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

4000K - CRI 90

Non Dimmable
09.7751.30C
09.7751.14C
Non Dimmable All White
09.7751.30C78
Dali 2
09.7751.30CDA
09.7751.14CDA
Dali 2 All White
09.7751.30CYU

12° SPOT



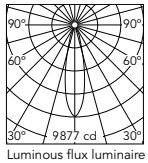
Luminous flux luminaire 2281 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

4000K - CRI 90

Non Dimmable
09.7753.30C
09.7753.14C
Non Dimmable All White
09.7753.3C78
Dali 2
09.7753.30CDA
09.7753.14CDA
Dali 2 All White
09.7753.30CYU

24° MEDIUM



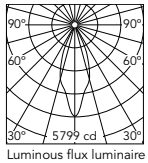
Luminous flux luminaire 2176 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

4000K - CRI 90

Non Dimmable
09.7755.30C
09.7755.14C
Non Dimmable All White
09.7755.30C78
Dali 2
09.7755.30CDA
09.7755.14CDA
Dali 2 All White
09.7755.30CYU

37° FLOOD

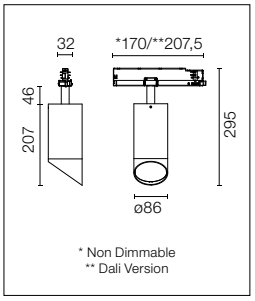


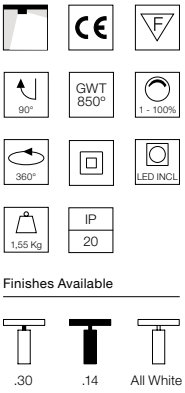
Luminous flux luminaire 2074 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

Ut Spot Track Wall-Washer Ø86

LED Array High Performances
Non Dimming: 33W - 3960 lm - 3000K/CRI 80 / 32,3W - 3250 lm - 3000K/CRI 90 / 32,3W - 3500 lm - 4000K/CRI 90
Dali: 33W - 3960 lm - 3000K/CRI 80 / 32,8W - 3250 lm - 3000K/CRI 90 / 32,8W - 3500 lm - 4000K/CRI 90





Finishes Available

Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

Bei den Versionen 30 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den “All White” -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the “All white” versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

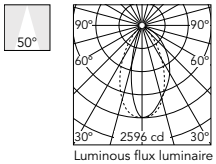
3000K - CRI 80

Non Dimmable
- ☐ 09.7770.30B
- ■ 09.7770.14B

All White
- ☐ 09.7770.30B78

Dali 2
- ☐ 09.7770.30BDA
- ■ 09.7770.14BDA

Dali 2 All White
- ☐ 09.7770.30BYU



Luminous flux luminaire
2560 lm

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	2596	0.98
2	649	1.97
3	288	2.95
4	162	3.94
5	104	4.92

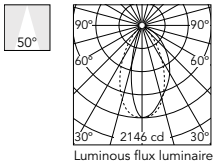
3000K - CRI 90

Non Dimmable
- ☐ 09.7771.30C
- ■ 09.7771.14C

All White
- ☐ 09.7771.30C78

Dali 2
- ☐ 09.7771.30CDA
- ■ 09.7771.14CDA

Dali 2 All White
- ☐ 09.7771.30CYU



Luminous flux luminaire
2116 lm

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	2146	0.98
2	537	1.97
3	238	2.95
4	134	3.94
5	86	4.92

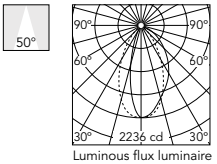
4000K - CRI 90

Non Dimmable
- ☐ 09.7772.30C
- ■ 09.7772.14C

All White
- ☐ 09.7772.30C78

Dali 2
- ☐ 09.7772.30CDA
- ■ 09.7772.14CDA

Dali 2 All White
- ☐ 09.7772.30CYU



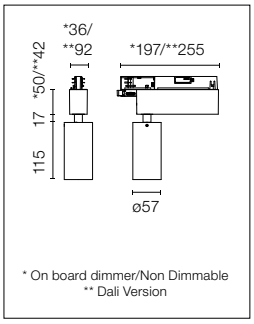
Luminous flux luminaire
2204 lm

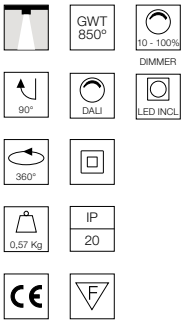
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	2236	0.98
2	559	1.97
3	248	2.95
4	140	3.94
5	89	4.92

Ut Spot Track Ø57

LED Array
Non Dimming: 23,5W - 2500 lm - 3000K/CRI 80 / 18,5W - 2000 lm - 3000K/CRI 90 / 18,5W - 2150 lm - 4000K/CRI 90
Dali: 23,5W - 2500 lm - 3000K/CRI 80 / 18,7W - 2000 lm - 3000K/CRI 90 / 18,7W - 2150 lm - 4000K/CRI 90
Dim on board: 23,5W - 2500 lm - 3000K/CRI 80 / 19,5W - 2000 lm - 3000K/CRI 90 / 19,5W - 2150 lm - 4000K/CRI 90



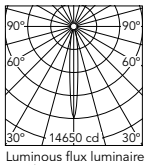


Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

3000K - CRI 80
On board dimmer
09.4440.30A
09.4440.14A
Non Dimmable
09.4480.30A
09.4480.14A
Dali Version
09.4440.30BDA
09.4440.14BDA

10° SPOT

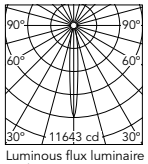


Luminous flux luminaire
1255 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	14650 0.18
2	3662 0.36
3	1628 0.54
4	916 0.72
5	586 0.90

3000K - CRI 90
On board dimmer
09.4443.30C
09.4443.14C
Non Dimmable
09.4486.30C
09.4486.14C
Dali Version
09.4443.30CDA
09.4443.14CDA

10° SPOT

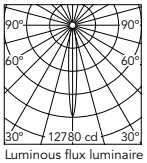


Luminous flux luminaire
997 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	11643 0.18
2	2911 0.36
3	1294 0.54
4	728 0.72
5	466 0.90

4000K - CRI 90
On board dimmer included
09.4450.30C
09.4450.14C
Non Dimmable
09.4481.30C
09.4481.14C
Dali Version
09.4450.30CDA
09.4450.14CDA

10° SPOT

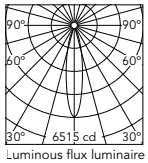


Luminous flux luminaire
1094 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	12780 0.18
2	3195 0.36
3	1420 0.54
4	799 0.72
5	511 0.90

3000K - CRI 80
On board dimmer
09.4441.30A
09.4441.14A
Non Dimmable
09.4482.30A
09.4482.14A
Dali Version
09.4441.30BDA
09.4441.14BDA

21° MEDIUM

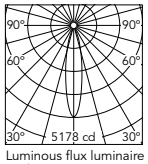


Luminous flux luminaire
1184 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	6515 0.37
2	1629 0.73
3	724 1.10
4	407 1.47
5	261 1.83

3000K - CRI 90
On board dimmer
09.4444.30C
09.4444.14C
Non Dimmable
09.4487.30C
09.4487.14C
Dali Version
09.4444.30CDA
09.4444.14CDA

21° MEDIUM

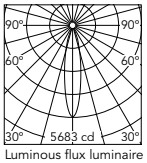


Luminous flux luminaire
941 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	5178 0.37
2	1294 0.73
3	575 1.10
4	324 1.47
5	207 1.83

4000K - CRI 90
On board dimmer included
09.4451.30C
09.4451.14C
Non Dimmable
09.4483.30C
09.4483.14C
Dali Version
09.4451.30CDA
09.4451.14CDA

21° MEDIUM

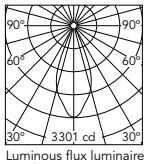


Luminous flux luminaire
1033 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	5683 0.37
2	1421 0.73
3	631 1.10
4	355 1.47
5	227 1.83

3000K - CRI 80
On board dimmer
09.4442.30A
09.4442.14A
Non Dimmable
09.4484.30A
09.4484.14A
Dali Version
09.4442.30BDA
09.4442.14BDA

42° FLOOD

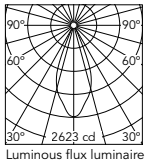


Luminous flux luminaire
1394 lm

Beam Angle:	42°
h(m)	E(lx) D(m)
1	3301 0.76
2	825 1.52
3	367 2.28
4	206 3.05
5	132 3.81

3000K - CRI 90
On board dimmer
09.4445.30C
09.4445.14C
Non Dimmable
09.4488.30C
09.4488.14C
Dali Version
09.4445.30CDA
09.4445.14CDA

42° FLOOD

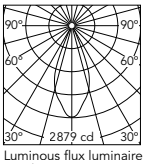


Luminous flux luminaire
1108 lm

Beam Angle:	42°
h(m)	E(lx) D(m)
1	2623 0.76
2	656 1.52
3	291 2.28
4	164 3.05
5	105 3.81

4000K - CRI 90
On board dimmer included
09.4452.30C
09.4452.14C
Non Dimmable
09.4485.30C
09.4485.14C
Dali Version
09.4452.30CDA
09.4452.14CDA

42° FLOOD

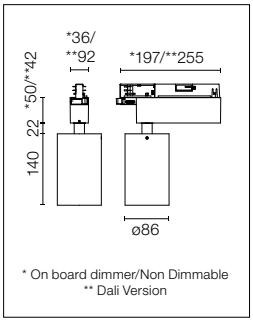


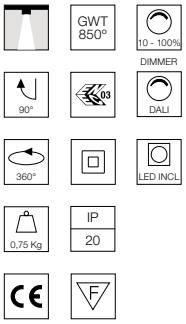
Luminous flux luminaire
1216 lm

Beam Angle:	42°
h(m)	E(lx) D(m)
1	2879 0.76
2	720 1.52
3	320 2.28
4	180 3.05
5	115 3.81

Ut Spot Track Ø86

LED Array High Performances
Non Dimming: 33W - 3770 lm - 3000K/CRI 80 / 31,8W - 3116 lm - 3000K/CRI 90 / 31,8W - 3246 lm - 4000K/CRI 90
Dali: 33W - 3770 lm - 3000K/CRI 80 / 32,1W - 3116 lm - 3000K/CRI 90 / 32,1W - 3246 lm - 4000K/CRI 90
Dim on board: 33W - 3770 lm - 3000K/CRI 80 / 33,8W - 3116 lm - 3000K/CRI 90 / 33,8W - 3246 lm - 4000K/CRI 90





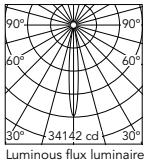
Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

3000K - CRI 80
On board dimmer
09.4840.30A
09.4840.14A
Non Dimmable
09.4880.30A
09.4880.14A
Dali Version
09.4840.30BDA
09.4840.14BDA

3000K - CRI 90
On board dimmer
09.4843.30C
09.4843.14C
Non Dimmable
09.4886.30C
09.4886.14C
Dali Version
09.4843.30CDA
09.4843.14CDA

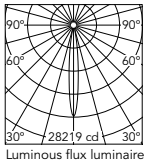
12° SPOT



Luminous flux luminaire
2650 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

12° SPOT

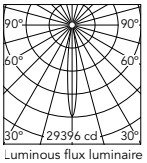


Luminous flux luminaire
2190 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

4000K - CRI 90
On board dimmer included
09.4850.30C
09.4850.14C
Non Dimmable
09.4881.30C
09.4881.14C
Dali Version
09.4850.30CDA
09.4850.14CDA

12° SPOT



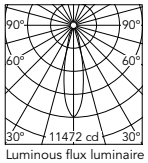
Luminous flux luminaire
2281 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 80
On board dimmer
09.4841.30A
09.4841.14A
Non Dimmable
09.4882.30A
09.4882.14A
Dali Version
09.4841.30BDA
09.4841.14BDA

3000K - CRI 90
On board dimmer
09.4844.30C
09.4844.14C
Non Dimmable
09.4887.30C
09.4887.14C
Dali Version
09.4844.30CDA
09.4844.14CDA

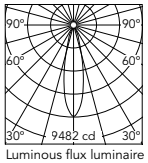
24° MEDIUM



Luminous flux luminaire
2528 lm

Beam Angle:	24°
h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

24° MEDIUM

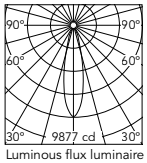


Luminous flux luminaire
2089 lm

Beam Angle:	24°
h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

4000K - CRI 90
On board dimmer included
09.4851.30C
09.4851.14C
Non Dimmable
09.4883.30C
09.4883.14C
Dali Version
09.4851.30CDA
09.4851.14CDA

24° MEDIUM



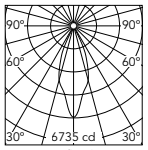
Luminous flux luminaire
2176 lm

Beam Angle:	24°
h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 80
On board dimmer
09.4842.30A
09.4842.14A
Non Dimmable
09.4884.30A
09.4884.14A
Dali Version
09.4842.30BDA
09.4842.14BDA

3000K - CRI 90
On board dimmer
09.4845.30C
09.4845.14C
Non Dimmable
09.4888.30C
09.4888.14C
Dali Version
09.4845.30CDA
09.4845.14CDA

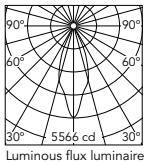
37° FLOOD



Luminous flux luminaire
2408 lm

Beam Angle:	37°
h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

37° FLOOD

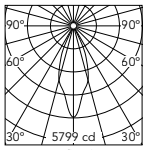


Luminous flux luminaire
1991 lm

Beam Angle:	37°
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

4000K - CRI 90
On board dimmer included
09.4852.30C
09.4852.14C
Non Dimmable
09.4885.30C
09.4885.14C
Dali Version
09.4852.30CDA
09.4852.14CDA

37° FLOOD

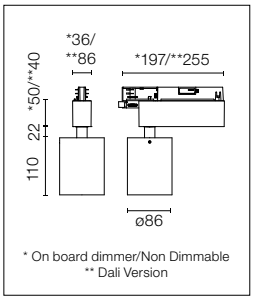


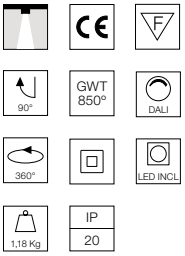
Luminous flux luminaire
2074 lm

Beam Angle:	37°
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

Ut Spot Track Multichip Ø86

Top LED 11,5W - 850 lm - 3000K/CRI 90 / 11,5W - 950 lm - 3000K/CRI 80 / 11,5W - 1000 lm - 4000K/CRI 80





Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

Das Zubehör ist mit dieser Version nicht kompatibel.

Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

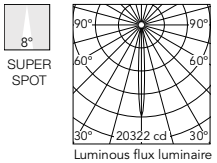
The accessories are not compatible with this version.

3000K - CRI 80

On board dimmer
- 09.4980.30
- 09.4980.14

Non Dimmable
- 09.4983.30
- 09.4983.14

Dali Version
- 09.4980.30ADA
- 09.4980.14ADA



Luminous flux luminaire 776 lm

Beam Angle: 8°

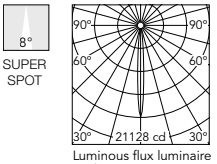
h(m)	E(lx)	D(m)
1	20322	0.14
2	5081	0.27
3	2258	0.41
4	1270	0.54
5	813	0.68

4000K - CRI 80

On board dimmer
- 09.4982.30
- 09.4982.14

Non Dimmable
- 09.4985.30
- 09.4985.14

Dali Version
- 09.4982.30ADA
- 09.4982.14ADA



Luminous flux luminaire 807 lm

Beam Angle: 8°

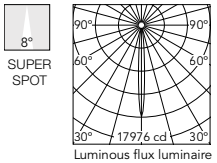
h(m)	E(lx)	D(m)
1	21128	0.14
2	5282	0.27
3	2348	0.41
4	1321	0.54
5	845	0.68

3000K - CRI 90

On board dimmer
- 09.4981.30
- 09.4981.14

Non Dimmable
- 09.4984.30
- 09.4984.14

Dali Version
- 09.4981.30ADA
- 09.4981.14ADA



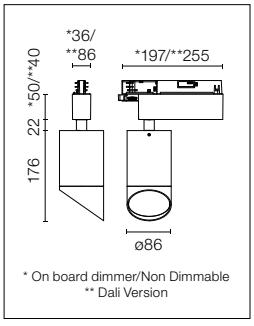
Luminous flux luminaire 687 lm

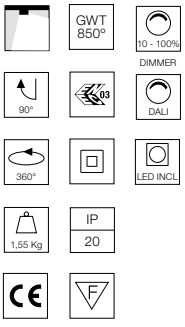
Beam Angle: 8°

h(m)	E(lx)	D(m)
1	17976	0.14
2	4494	0.27
3	1997	0.41
4	1124	0.54
5	719	0.68

Ut Spot Track Wall-Washer Ø86

LED Array High Performances
Non Dimming / Dim on board: 33W - 3960 lm - 3000K/CRI 80 / 31,8W - 3250 lm - 3000K/CRI 90 / 31,8W - 3500 lm - 4000K/CRI 90
Dali: 33W - 3960 lm - 3000K/CRI 80 / 32,1W - 3250 lm - 3000K/CRI 90 / 32,1W - 3500 lm - 4000K/CRI 90





Strahler für 3-Phasen-Stromschiene mit LED-Lampe. Netzgerät mit 220-240V, 50-60Hz inbegriffen.

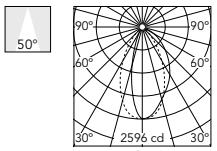
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

3000K - CRI 80

On board dimmer
- 09.4950.30A
- 09.4950.14A

Non Dimmable
- 09.4951.30A
- 09.4951.14A

Dali Version
- 09.4950.30BDA
- 09.4950.14BDA



Luminous flux luminaire 2560 lm

Beam Angle: 50°

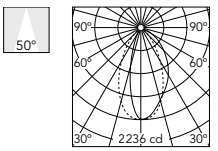
h(m)	E(lx)	D(m)
1	2596	0.98
2	649	1.97
3	288	2.95
4	162	3.94
5	104	4.92

4000K - CRI 90

On board dimmer
- 09.4956.30C
- 09.4956.14C

Non Dimmable
- 09.4957.30C
- 09.4957.14C

Dali Version
- 09.4956.30CDA
- 09.4956.14CDA



Luminous flux luminaire 2204 lm

Beam Angle: 50°

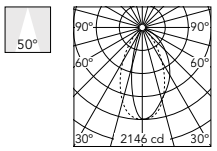
h(m)	E(lx)	D(m)
1	2236	0.98
2	559	1.97
3	248	2.95
4	140	3.94
5	89	4.92

3000K - CRI 90

On board dimmer
- 09.4953.30C
- 09.4953.14C

Non Dimmable
- 09.4954.30C
- 09.4954.14C

Dali Version
- 09.4953.30CDA
- 09.4953.14CDA



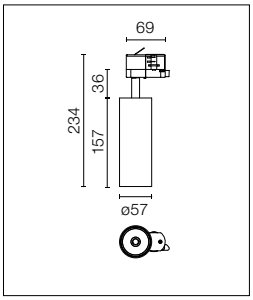
Luminous flux luminaire 2116 lm

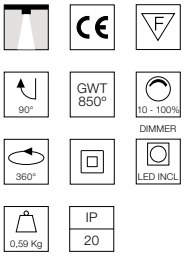
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	2146	0.98
2	537	1.97
3	238	2.95
4	134	3.94
5	86	4.92

UT Pro 150 GA-69

LED Array 21W - 2524 lm - 3000K/CRI 80 / 21W - 2183 lm - 3000K/CRI 90 / 21W - 2360 lm - 4000K/CRI 90





Finishes Available

Scheinwerfer mit LED Lichtquelle zum Einbau in Standard-Dreiphasenschiene. Netzgerät 120-270V inbegriffen.

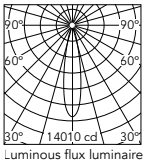
Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

3000K - CRI 80
On board dimmer
☐ 09.7270.40B
■ 09.7270.14B
All White
☐ 09.7270.40B78

21° SPOT

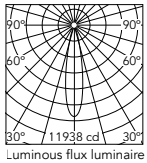


Luminous flux luminaire 2266 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 14010	0.37
2 3503	0.74
3 1557	1.11
4 876	1.48
5 560	1.85

3000K - CRI 90
On board dimmer
☐ 09.7276.40D
■ 09.7276.14D
All White
☐ 09.7276.40B78

21° SPOT

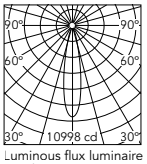


Luminous flux luminaire 1931 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 11938	0.37
2 2984	0.74
3 1326	1.11
4 746	1.48
5 478	1.85

4000K - CRI 90
On board dimmer
☐ 09.7271.40D
■ 09.7271.14B
All White
☐ 09.7271.40B78

21° SPOT

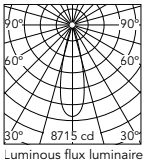


Luminous flux luminaire 1779 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 10998	0.37
2 2750	0.74
3 1222	1.11
4 687	1.48
5 440	1.85

3000K - CRI 80
On board dimmer
☐ 09.7272.40B
■ 09.7272.14B
All White
☐ 09.7272.40D78

27° MEDIUM

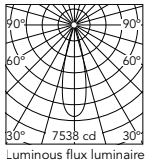


Luminous flux luminaire 1902 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 8715	0.49
2 2179	0.98
3 968	1.47
4 545	1.96
5 349	2.44

3000K - CRI 90
On board dimmer
☐ 09.7277.40B
■ 09.7277.14D
All White
☐ 09.7277.40D78

27° MEDIUM

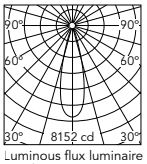


Luminous flux luminaire 1645 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 7538	0.49
2 1884	0.98
3 838	1.47
4 471	1.96
5 302	2.44

4000K - CRI 90
On board dimmer
■ 09.7273.40D
■ 09.7273.14B
All White
☐ 09.7273.40D78

27° MEDIUM

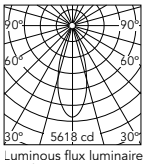


Luminous flux luminaire 1779 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 8152	0.49
2 2038	0.98
3 906	1.47
4 509	1.96
5 326	2.44

3000K - CRI 80
On board dimmer
■ 09.7274.40B
■ 09.7274.14B
All White
☐ 09.7274.40B78

35° FLOOD

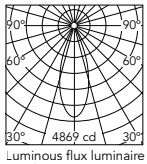


Luminous flux luminaire 1898 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 5618	0.64
2 1404	1.27
3 624	1.91
4 351	2.54
5 225	3.18

3000K - CRI 90
On board dimmer
■ 09.7278.40B
■ 09.7278.14D
All White
☐ 09.7278.40D78

36° FLOOD

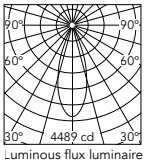


Luminous flux luminaire 1666 lm

Beam Angle:	36°
h(m) E(lx)	D(m)
1 4869	0.64
2 1217	1.28
3 541	1.92
4 304	2.56
5 195	3.20

4000K - CRI 90
On board dimmer
☐ 09.7275.40D
■ 09.7275.14B
All White
☐ 09.7275.40B78

36° FLOOD

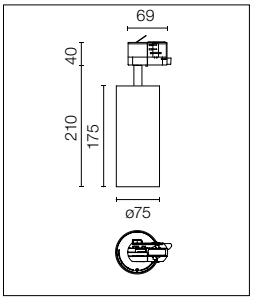


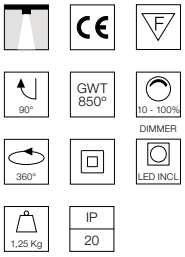
Luminous flux luminaire 1536 lm

Beam Angle:	36°
h(m) E(lx)	D(m)
1 4489	0.64
2 1122	1.28
3 499	1.92
4 281	2.56
5 180	3.20

UT Pro 175 GA-69

LED Array 46,5W - 4740 lm - 3000K/CRI 80 / 3960 lm - 3000K/CRI 90 / 4278 lm - 4000K/CRI 90





Finishes Available

Scheinwerfer mit LED Lichtquelle zum Einbau in Standard-Dreiphasenschiene. Netzgerät 120-270V inbegriffen.

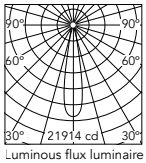
Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

3000K - CRI 80
On board dimmer
☐ 09.7310.40A
■ 09.7310.14A
All White
☐ 09.7310.40A78

20° SPOT

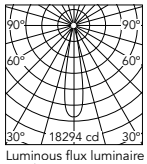


Luminous flux luminaire 3638 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	21906 0.35
2	5477 0.70
3	2434 1.04
4	1369 1.39
5	876 1.74

3000K - CRI 90
On board dimmer
☐ 09.7311.40A
■ 09.7311.14A
All White
☐ 09.7311.40A78

20° SPOT

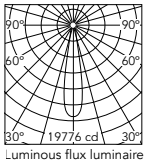


Luminous flux luminaire 3037 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	18287 0.35
2	4572 0.70
3	2032 1.04
4	1143 1.39
5	731 1.74

4000K - CRI 90
On board dimmer
☐ 09.7312.40A
■ 09.7312.14A
All White
☐ 09.7312.40A78

20° SPOT

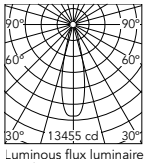


Luminous flux luminaire 3283 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	19769 0.35
2	4942 0.70
3	2197 1.04
4	1236 1.39
5	791 1.74

3000K - CRI 80
On board dimmer
☐ 09.7313.40A
■ 09.7313.14A
All White
☐ 09.7313.40A78

27° MEDIUM

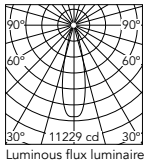


Luminous flux luminaire 3531 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	13450 0.48
2	3362 0.96
3	1494 1.44
4	841 1.93
5	538 2.41

3000K - CRI 90
On board dimmer
☐ 09.7314.40A
■ 09.7314.14A
All White
☐ 09.7314.40A78

27° MEDIUM

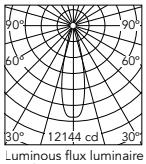


Luminous flux luminaire 2947 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	11225 0.48
2	2806 0.96
3	1247 1.44
4	702 1.93
5	449 2.41

4000K - CRI 90
On board dimmer
☐ 09.7315.40A
■ 09.7315.14A
All White
☐ 09.7315.40A78

27° MEDIUM

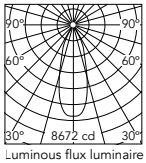


Luminous flux luminaire 3187 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	12140 0.48
2	3035 0.96
3	1349 1.44
4	759 1.93
5	486 2.41

3000K - CRI 80
On board dimmer
■ 09.7316.40A
■ 09.7316.14A
All White
☐ 09.7316.40A78

34° FLOOD

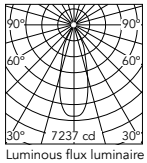


Luminous flux luminaire 3476 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	8672 0.61
2	2168 1.22
3	964 1.83
4	542 2.44
5	347 3.04

3000K - CRI 90
On board dimmer
■ 09.7317.40A
■ 09.7317.14A
All White
☐ 09.7317.40A78

34° FLOOD

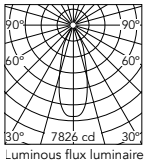


Luminous flux luminaire 2901 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	7237 0.61
2	1809 1.22
3	804 1.83
4	452 2.44
5	289 3.04

4000K - CRI 90
On board dimmer
☐ 09.7318.40A
■ 09.7318.14A
All White
☐ 09.7318.40A78

34° FLOOD

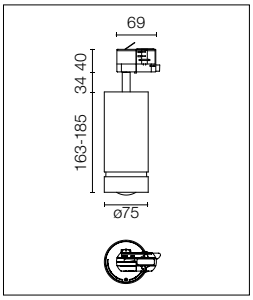


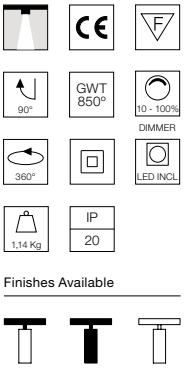
Luminous flux luminaire 3137 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	7826 0.61
2	1957 1.22
3	870 1.83
4	489 2.44
5	313 3.04

UT Pro 175 Lens GA-69

LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90





Finishes Available

Scheinwerfer mit LED Lichtquelle zum Einbau in Standard-Dreiphasenschiene. Besitzt eine verstellbare Linse, mit der man den Öffnungswinkel von 13° bis 56° verändern kann.
Netzgerät 120-270V inbegriffen.

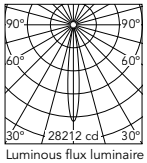
Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß, nur der Blendschutzring bleibt schwarz.

Spotlight to be installed in standard 3-phase track with LED light source. Includes adjustable lens allowing opening angle calibration from 13° to 56°. 120-270V power supply integrated.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

3000K - CRI 80
On board dimmer
- ☐ 09.7373.40
- ■ 09.7373.14
  All White
- ☐ 09.7373.40.78

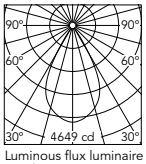
13° LENS OUT



Luminous flux luminaire 2314 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	28212	0.23
2	7053	0.46
3	3135	0.70
4	1763	0.93
5	1128	1.16

56° LENS IN

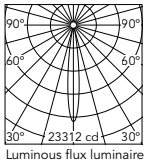


Luminous flux luminaire 3468 lm

Beam Angle:	56°	
h(m)	E(lx)	D(m)
1	4649	1.07
2	1162	2.14
3	517	3.21
4	291	4.29
5	186	5.36

3000K - CRI 90
On board dimmer
- ☐ 09.7374.40
- ■ 09.7374.14
  All White
- ☐ 09.7374.40.78

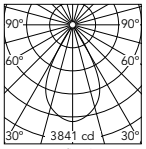
13° LENS OUT



Luminous flux luminaire 1912 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	23312	0.23
2	5828	0.46
3	2590	0.70
4	1457	0.93
5	932	1.16

56° LENS IN

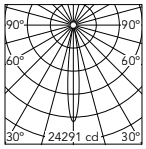


Luminous flux luminaire 2866 lm

Beam Angle:	56°	
h(m)	E(lx)	D(m)
1	3841	1.07
2	960	2.14
3	427	3.21
4	240	4.29
5	154	5.36

4000K - CRI 90
On board dimmer
- ☐ 09.7375.40
- ■ 09.7375.14
  All White
- ☐ 09.7375.40.78

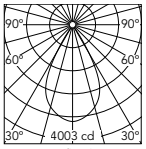
13° LENS OUT



Luminous flux luminaire 1992 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	24291	0.23
2	6073	0.46
3	2699	0.70
4	1518	0.93
5	972	1.16

56° LENS IN

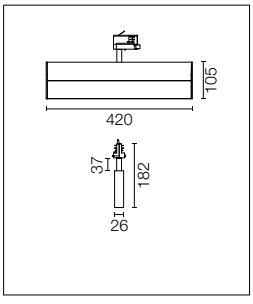


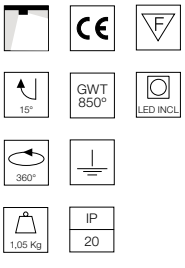
Luminous flux luminaire 2986 lm

Beam Angle:	56°	
h(m)	E(lx)	D(m)
1	4003	1.07
2	1001	2.14
3	445	3.21
4	250	4.29
5	160	5.36

UT Pro Wall-Washer GA-69 (Dali GA-600)

Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90





Finishes Available

Lichtmodul Wall-Washer mit LED Lichtquelle zum Einbau in Standard-Dreiphasenschiene. Netzgerät 220-240V inbegriffen. Für die DALI-Version benötigen Sie dimmbare Schienen (siehe Kapitel "Tracks").

Bei den Versionen 40 sind der Schienenadapter, der Arm und der Hinterkopf schwarz. Bei den "All White" -Versionen sind der Schienenadapter, der Arm, der Hinterkopf und der Kopf weiß.

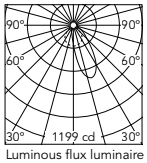
Wall-Washer lighting module to be installed in standard 3-phase track with LED light source. 220-240V power supply integrated. DALI version requires dimmable tracks (please refer to the “Tracks” chapter).

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white.

3000K - CRI 90
Non Dimmable
- ☐ 09.7504.40
- ■ 09.7504.14
  All White
- ☐ 09.7504.40.78

Dali Version
- ☐ 09.7504.40.DA
- ■ 09.7504.14.DA
  All White
- ☐ 09.7504.40.YU

36°



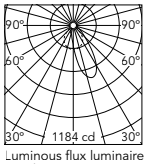
Luminous flux luminaire 1706 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	1199	0.78
2	300	1.56
3	133	2.34
4	75	3.12
5	48	3.90

4000K - CRI 90
Non Dimmable
- ☐ 09.7505.40
- ■ 09.7505.14
  All White
- ☐ 09.7505.40.78

Dali Version
- ☐ 09.7505.40.DA
- ■ 09.7505.14.DA
  All White
- ☐ 09.7505.40.YU

36°



Luminous flux luminaire 1700 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	1184	0.76
2	296	1.52
3	132	2.28
4	74	3.04
5	47	3.80

Zubehör / Accessories

Querabschirmung, Linsen und Honeycomb können ohne Befestigungszubehör direkt in den Leuchtenkopf eingesetzt werden.

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.

UT Spot Ø57 / UT Pro 150

Querabschirmung
Screening crosspiece

08.8429.00

Elliptische linse
Elliptical lens

08.8431.00

Floodlinse
Flood lens

08.8432.00

For Spot & Medium optics

Honeycomb
Honeycomb

08.8428.00

Konische Abschirmung
Snoot shielding cone
29

08.0526.00
08.0526.40
08.0526.BW

UT Pro 175

Querabschirmung
Screening crosspiece

08.9108.00

Elliptische linse
Elliptical lens

08.9109.00

Floodlinse
Flood lens

08.9110.00

Honeycomb
Honeycomb

08.9107.00

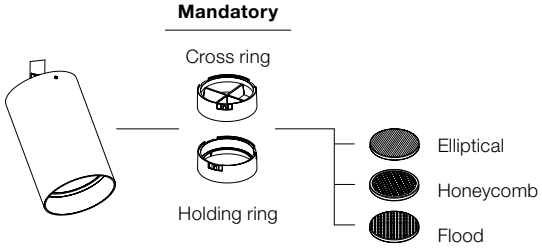
Konische Abschirmung
Snoot shielding cone
35

08.9111.00
08.9111.40
08.9111.BW

Zubehör / Accessories

Querabschirmung, Linsen und Honeycomb direkt in den Leuchtenkopf eingesetzt werden.
UT Spot Ø86: Honeycomb + Linse können gleichzeitig verwendet werden.
UT Spot Ø86 Multichip: Das Zubehör ist mit dieser Version nicht kompatibel.

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire.
UT Spot Ø86: Installation compatible with Honeycomb + Lense at the same time.
UT Spot Ø86 Multichip: The accessories are not compatible with this version.



UT Spot Ø86

Haltering
Holding ring

08.8410.00

UT Spot Ø86 LED Array

Querabschirmung
Screening crosspiece

08.8411.00

UT Spot Ø86 LED Array
Obligatorisch Haltering oder Querabschirmung.
Mandatory holding ring or screening crosspiece.

Elliptische linse
Elliptical lens

08.8163.68

Floodlinse
Flood lens

08.8175.68

For Spot & Medium optics

Honeycomb
Honeycomb

08.8495.14

WAN SPOT

DESIGNED BY JOHANNA GRAWUNDER

LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80

LIGHT SOURCE
LED
QT-14
G9

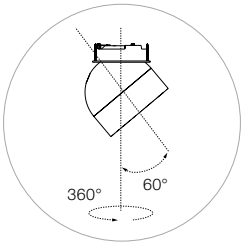
30 Weiss
30 White

05 Polished Silver
05 Polished Silver

14 Schwarz
14 Black

GN Grün
GN Green

Drehbar um 360° und schwenkbar 60°.
Can be rotated 360° and swivelled 60°.



Produktbeschreibung
Wand- oder Deckenleuchte für direktes Licht. Leuchtenkörper aus Aluminium in folgenden Ausführungen: Verchromt, glänzend weiß, glänzend grün und glänzend schwarz. Blendschutzschirm.
Die Leuchte verfügt über zwei verschiedene Schließringe, glänzend grün und glänzend schwarz, zur Befestigung des gehärteten Sicherheitsglases.

Reflektoren
Sandgestrahlter, chemisch gebleichter Reflektor.

Betriebsgerät
Vorverkabelung zum Anschluss eines externen Betriebsgeräts inbegriffen.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber“.

Zusatzinformationen
Drehbar bis zu 360° um die Vertikalachse und schwenkbar bis 60°.
Schutzgrad IP20.
Schutzklasse II, III je nach Modell.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Wall or ceiling lamp providing direct light. Aluminum body, available in chrome, shiny white, enameled green, and shiny black finishes.
Low glare shield.
Provided by two different ring due to fix the safety tempered glass, in shiny black and enameled green.

Reflectors
Sanded and chemically bleached aluminum reflector.

Power Supply
Pre-wiring included; ready for remote power supply.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

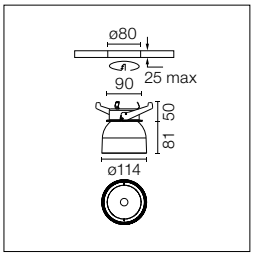
Additional Information
0° - 360° vertical rotation and 0° - 60° adjustment.
IP20 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

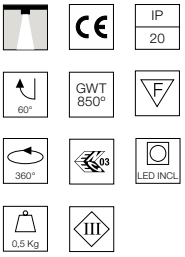
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Wan Spot

LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80





Decken/Wand-Einbaustrahler. Ohne Netzgerät.

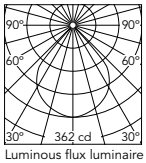
Spotlight to be installed recessed on ceiling/wall. Power supply not included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

- 03.6174.30A
- 03.6174.05A
- 03.6174.14A
- 03.6174.GNA



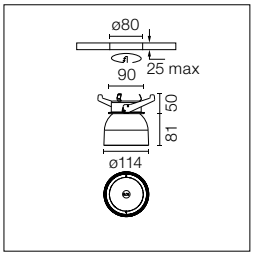
Luminous flux luminaire
505 lm

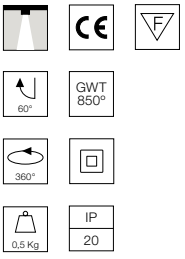
Beam Angle: 82°

h(m)	E(lx)	D(m)
1	362	1.75
2	91	3.50
3	40	5.25
4	23	7.00
5	14	8.75

Wan Spot

QT-14 G9 max 40W

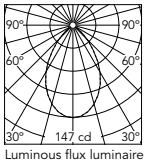




Decken/Wand-Einbaustrahler mit Netzspannungsversorgung.

Spotlight to be installed recessed on ceiling/wall with main voltage source.

- 03.6170.30
- 03.6170.05
- 03.6170.14
- 03.6170.GN

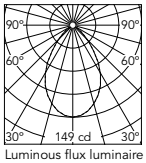


Luminous flux luminaire
460 lm

@Black Ring

Beam Angle: 68°

h(m)	E(lx)	D(m)
1	147	1.35
2	37	2.70
3	16	4.05
4	9	5.40
5	6	6.75



Luminous flux luminaire
460 lm

@Green Ring

Beam Angle: 69°

h(m)	E(lx)	D(m)
1	149	1.38
2	37	2.75
3	17	4.13
4	9	5.50
5	6	6.88

CEILING / WALL

C1, UT Pro Surface, Kap Surface&
Suspension, Super Line&Pro, Light Bell,
Fort Knox Wall&Mini, Thin LED,
G-O, TheBlockofLight.

NEW

C 1

DESIGNED BY VINCENT VAN DUYSEN

MONO SPOT CEILING SMALL

LIGHT SOURCE
POWER LED
6W
510 lm
2700K/CRI 90
560 lm
3000K/CRI 90

MONO SPOT WALL SMALL

LIGHT SOURCE
POWER LED
6W
510 lm
2700K/CRI 90
560 lm
3000K/CRI 90

DOUBLE SPOT WALL SMALL

LIGHT SOURCE
POWER LED
12W
1020 lm
2700K/CRI 90
1120 lm
3000K/CRI 90

DOUBLE SPOT SURFACE SMALL

LIGHT SOURCE
POWER LED
14,5W
1020 lm
2700K/CRI 90
1120 lm
3000K/CRI 90

MONO SPOT CEILING LARGE

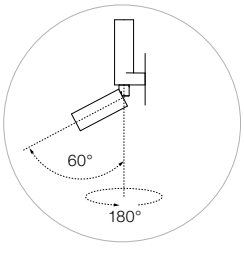
LIGHT SOURCE
POWER LED
Up to 14W
1225 lm
2700K/CRI 90
1300 lm
3000K/CRI 90

MONO SPOT WALL LARGE

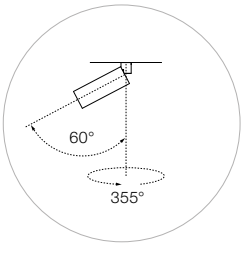
LIGHT SOURCE
POWER LED
Up to 14W
1225 lm
2700K/CRI 90
1300 lm
3000K/CRI 90

DOUBLE SPOT WALL LARGE

LIGHT SOURCE
POWER LED
Up to 28W
2450 lm
2700K/CRI 90
2600 lm
3000K/CRI 90



Wall



Ceiling & Surface

NEW

Produktbeschreibung
Neue Reihe von Wand- und Deckenleuchten, die für Anwendungen im Wohn- und Gaststättengewerbe entwickelt wurden.
Das extrem minimalistische Design des Produkts verbirgt eine spezielle integrierte mechanische Verbindung, die es ermöglicht, den Leuchtenkörper herauszuziehen und um bis zu 60° auf der vertikalen und horizontalen Achse auszurichten (355° für die Deckenversion und 140° für die Wandversion), was eine beeindruckende Vielseitigkeit garantiert, die perfekt auf die Anforderungen jedes Projekts abgestimmt ist.
Die für die Wandmontage entwickelten Versionen sind mit einfacher oder doppelter Emission erhältlich.

Optische Gruppe
Optische Gruppe mit hohem Sehkomfort im Gehäuse des Produkts, erhältlich mit differenzierten Strahlöffnungen.
Die Leuchte ist für eine diffuse Lichtemission oder eine konzentriertere Verteilung vorbereitet, perfekt für Akzentbeleuchtung oder Punktbeleuchtung zum Lesen im Kopfteil von Betten.
Die Modelle mit doppelter Emission enthalten als Zubehör einen Diffusorschirm, der in die optische Gruppe integriert werden kann, wodurch ein weicher Lichteffekt entsteht.

Betriebsgerät
Alle Leuchten müssen über eine nicht enthaltene Fernbedienung mit Strom versorgt werden, die mit verschiedenen Steuerungsalternativen erhältlich ist.

Regulierungssystem
Die Leuchten können mit 0/1-10V, DALI, Push Dimming und Casambi betrieben werden. Broadcast-Steuerungssystem. Bei den Geräten mit Doppelemission können die direkten und indirekten Emissionen unabhängig voneinander eingestellt werden.
C1 Double Surface beinhaltet das Vorschaltgerät und unterstützt ON/OFF, mains dimming und DALI-Steuerung.

Installation
Das Produkt ist bereit für die Installation auf verschiedenen Arten von Oberflächen.
Alle Produkte werden mit einem speziellen Montagesatz für die No Trim-Installation oder mit einer Platte ergänzt.
Die No Trim-Installation ist nur mit Gipskartonoberflächen mit einer Mindestdicke von 9 mm und einer maximalen Dicke von 25 mm möglich.
Die Platteninstallation ermöglicht die elektrische Verbindung innerhalb des Oberflächenträgers.

Zusatzinformationen
Konstantspannungsgesteuertes elektrisches System.
IP20 Schutz-Index.
Geeignet für die Installation auf normal entflammbaren Oberflächen.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
New program of wall and ceiling-mounted luminaires developed for residential and hospitality use.
The extremely minimalist design of the product hides a special, integrated mechanical connection that allows the luminaire body to be extracted and oriented up to 60° on the vertical axis and on the horizontal axis (355° in the ceiling version and 140° in the wall version), ensuring an impressive versatility, ideal to meet the needs of any project.
Versions developed for wall mounting are available with single or dual emission.

Optical Group
Optical group with high visual comfort in the body of the product, available with differentiated beamwidths.
This luminaire is designed to provide diffuse light emission or a more concentrated light distribution, ideal when accent or spot lighting is needed for reading in bed headboard applications.
Dual-emission models include a diffusing screen as accessory that can be integrated into the optical unit, producing a soft light effect.

Power Supply
All devices must be powered by a remote controller (not included) available with various control options.

Control System
Units can be controlled by 0/1-10V, DALI, Push Dimming and Casambi. Broadcast control system. In devices with dual emission, direct and indirect emissions can be controlled independently.
C1 Double Surface includes the driver and supports ON/OFF, mains dimming, and DALI control.

Installation
The product is ready to be installed on different surface types.
All products are completed with a dedicated No Trim or plate installation mounting kit. The No Trim installation is only compatible with plasterboard surfaces with a minimum thickness of 9mm and a maximum of 25mm. Plate installation allows the electrical connection to be made inside the surface mount.

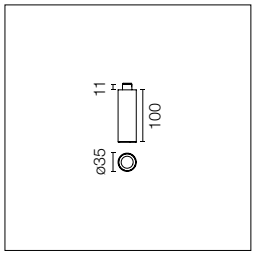
Additional Information
Constant voltage controlled electrical system.
IP20 Protection Index.
Suitable for installation on normally flammable surfaces.

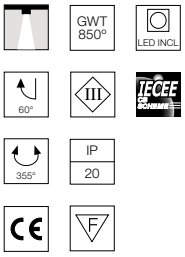
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Mono Spot Ceiling Small Ø35

Power LED DC 500 mA - 6W - 510 lm - 2700K/CRI 90 / 6W - 560 lm - 3000K/CRI 90





Verstellbare LED-Leuchte für den Innenbereich, geeignet für Deckenmontagen. Das Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 355° horizontal möglich ist. Integrierte Full-Cut-Off optische Gruppe. Die Fernspeisung (nicht enthalten) muss an einer zugänglichen Stelle angebracht werden. Der Installationsrahmen muss separat bestellt.

Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 355° on the horizontal axis.
Integrated Full cut-off optical group. The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately

Empfohlene Netzgeräte / Recommended power supply*:

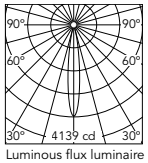
Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.7678
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 03.1220.DY
- 03.1220.DR
- 03.1220.EQ
- 03.1220.ER
- 03.1220.ES

15° SPOT



Luminous flux luminaire 376 lm

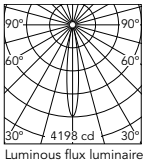
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4139	0.26
2	1035	0.51
3	460	0.77
4	259	1.03
5	166	1.28

3000K

- 03.1225.DY
- 03.1225.DR
- 03.1225.EQ
- 03.1225.ER
- 03.1225.ES

15° SPOT



Luminous flux luminaire 382 lm

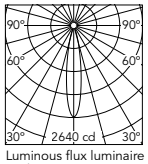
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4198	0.26
2	1050	0.51
3	466	0.77
4	262	1.03
5	168	1.28

2700K

- 03.1221.DY
- 03.1221.DR
- 03.1221.EQ
- 03.1221.ER
- 03.1221.ES

18° MEDIUM



Luminous flux luminaire 368 lm

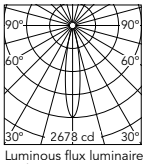
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2640	0.32
2	660	0.65
3	293	0.97
4	165	1.30
5	106	1.62

3000K

- 03.1226.DY
- 03.1226.DR
- 03.1226.EQ
- 03.1226.ER
- 03.1226.ES

18° MEDIUM



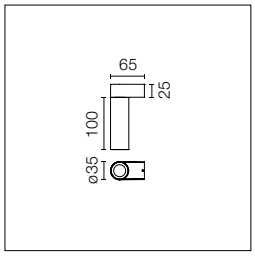
Luminous flux luminaire 374 lm

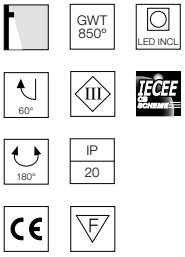
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	167	1.30
5	107	1.62

Mono Spot Wall Small Ø35

Power LED DC 500 mA - 6W - 510 lm - 2700K/CRI 90 / 6W - 560 lm - 3000K/CRI 90





Verstellbare LED-Leuchte für den Innenbereich, geeignet für Wandmontagen. Das Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 180° horizontal möglich ist. Integrierte Full-Cut-Off optische Gruppe. Die Fernspeisung (nicht enthalten) muss an einer zugänglichen Stelle angebracht werden. Der Installationsrahmen muss separat bestellt.

Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis. Integrated Full cut-off optical group. The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately.

Empfohlene Netzgeräte / Recommended power supply*:

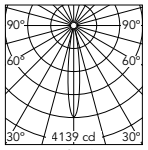
Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.7678
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 03.1200.DY
- 03.1200.DR
- 03.1200.EQ
- 03.1200.ER
- 03.1200.ES

15° SPOT



Luminous flux luminaire 376 lm

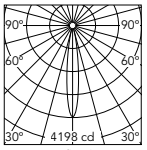
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4139	0.26
2	1035	0.51
3	460	0.77
4	259	1.03
5	166	1.28

3000K

- 03.1205.DY
- 03.1205.DR
- 03.1205.EQ
- 03.1205.ER
- 03.1205.ES

15° SPOT



Luminous flux luminaire 382 lm

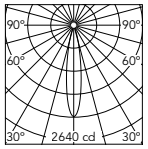
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4198	0.26
2	1050	0.51
3	466	0.77
4	262	1.03
5	168	1.28

2700K

- 03.1201.DY
- 03.1201.DR
- 03.1201.EQ
- 03.1201.ER
- 03.1201.ES

18° MEDIUM



Luminous flux luminaire 368 lm

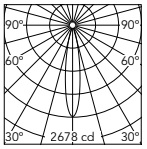
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2640	0.32
2	660	0.65
3	293	0.97
4	165	1.30
5	106	1.62

3000K

- 03.1206.DY
- 03.1206.DR
- 03.1206.EQ
- 03.1206.ER
- 03.1206.ES

18° MEDIUM



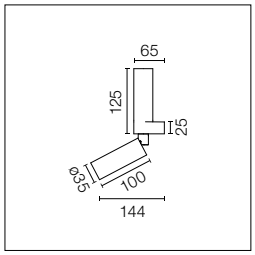
Luminous flux luminaire 374 lm

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	167	1.30
5	107	1.62

Double Spot Wall Small Ø35

Power LED DC 500 mA - 12W - 1020 lm - 2700K/CRI 90 / 12W - 1120 lm - 3000K/CRI 90



GWT 850°

LED INCL.

60°

III

180°

IP 20

Verstellbare LED-Leuchte für den Innenbereich, geeignet für Wandmontagen. Das Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 180° horizontal möglich ist. Integrierte Full-Cut-Off optische Gruppe. Integriertes Zubehör (Up Diffusor). Die Fernspeisung (nicht enthalten) muss an einer zugänglichen Stelle angebracht werden. Der Installationsrahmen muss separat bestellt

Adjustable luminaire with LED for indoor use, suitable for wall installation. The lower part of the body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis. Integrated Full cut-off optical group. Accessories integrated (up diffuser). The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately

Empfohlene Netzgeräte / Recommended power supply*:

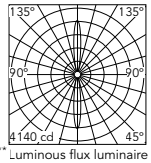
Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.7678
Casambi	60.9207

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K

- 03.1210.DY
- 03.1210.DR
- 03.1210.EQ
- 03.1210.ER
- 03.1210.ES

15° SPOT



** Luminous flux luminaire 753 lm

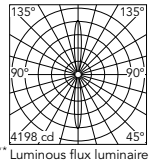
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4140	0.26
2	1035	0.51
3	460	0.77
4	259	1.03
5	166	1.28

3000K

- 03.1215.DY
- 03.1215.DR
- 03.1215.EQ
- 03.1215.ER
- 03.1215.ES

15° SPOT



** Luminous flux luminaire 763 lm

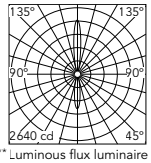
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4198	0.26
2	1049	0.51
3	466	0.77
4	263	1.03
5	168	1.28

2700K

- 03.1211.DY
- 03.1211.DR
- 03.1211.EQ
- 03.1211.ER
- 03.1211.ES

18° MEDIUM



** Luminous flux luminaire 745 lm

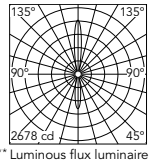
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2640	0.32
2	660	0.65
3	293	0.97
4	165	1.30
5	106	1.62

3000K

- 03.1216.DY
- 03.1216.DR
- 03.1216.EQ
- 03.1216.ER
- 03.1216.ES

18° MEDIUM



** Luminous flux luminaire 755 lm

Beam Angle: 18°

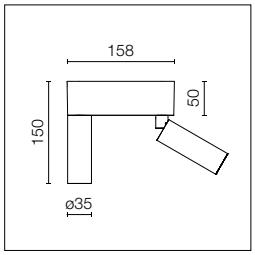
h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	168	1.30
5	107	1.62

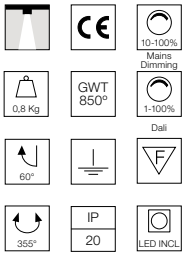
** Photometrische Daten ohne Up Diffusor / Photometric data without up diffuser.

NEW

Double Spot Surface Small Ø35

Power LED – 14,5W - 1020 lm - 2700K/CRI 90 / 14,5W - 1120 lm - 3000K/CRI 90





Verstellbare LED-Leuchte für den Innenbereich, geeignet für Deckenmontage. Das Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 180° horizontal möglich ist. Integrierte Full-Cut-Off optische Gruppe, Stromversorgung ist inklusive.

Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis. Integrated Full cut-off optical group and the power supply is included.

Optic Spot - 2700K

Non Dimming

- 05.3500.DY
- 05.3500.DR
- 05.3500.EQ
- 05.3500.ER
- 05.3500.ES

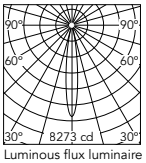
Mains Dimming

- 05.3500.DY.NI
- 05.3500.DR.NI
- 05.3500.EQ.NI
- 05.3500.ER.NI
- 05.3500.ES.NI

Dali

- 05.3500.DY.DA
- 05.3500.DR.DA
- 05.3500.EQ.DA
- 05.3500.ER.DA
- 05.3500.ES.DA

15° SPOT



Luminous flux luminaire
752 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8273	0.26
2	2068	0.51
3	919	0.77
4	517	1.03
5	331	1.28

Optic Spot - 3000K

Non Dimming

- 05.3505.DY
- 05.3505.DR
- 05.3505.EQ
- 05.3505.ER
- 05.3505.ES

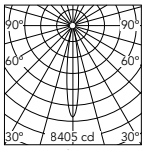
Mains Dimming

- 05.3505.DY.NI
- 05.3505.DR.NI
- 05.3505.EQ.NI
- 05.3505.ER.NI
- 05.3505.ES.NI

Dali

- 05.3505.DY.DA
- 05.3505.DR.DA
- 05.3505.EQ.DA
- 05.3505.ER.DA
- 05.3505.ES.DA

15° SPOT



Luminous flux luminaire
764 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8405	0.26
2	2101	0.51
3	934	0.77
4	525	1.03
5	336	1.28

Optic Medium - 2700K

Non Dimming

- 05.3501.DY
- 05.3501.DR
- 05.3501.EQ
- 05.3501.ER
- 05.3501.ES

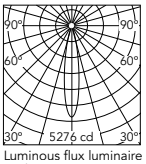
Mains Dimming

- 05.3501.DY.NI
- 05.3501.DR.NI
- 05.3501.EQ.NI
- 05.3501.ER.NI
- 05.3501.ES.NI

Dali

- 05.3501.DY.DA
- 05.3501.DR.DA
- 05.3501.EQ.DA
- 05.3501.ER.DA
- 05.3501.ES.DA

18° MEDIUM



Luminous flux luminaire
736 lm

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	5276	0.32
2	1319	0.65
3	586	0.97
4	330	1.30
5	211	1.62

Optic Medium - 3000K

Non Dimming

- 05.3506.DY
- 05.3506.DR
- 05.3506.EQ
- 05.3506.ER
- 05.3506.ES

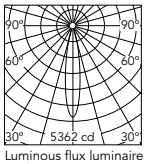
Mains Dimming

- 05.3506.DY.NI
- 05.3506.DR.NI
- 05.3506.EQ.NI
- 05.3506.ER.NI
- 05.3506.ES.NI

Dali

- 05.3506.DY.DA
- 05.3506.DR.DA
- 05.3506.EQ.DA
- 05.3506.ER.DA
- 05.3506.ES.DA

18° MEDIUM



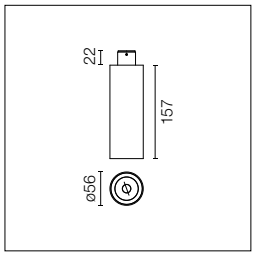
Luminous flux luminaire
748 lm

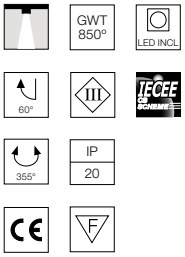
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	5362	0.32
2	1340	0.65
3	596	0.97
4	335	1.30
5	214	1.62

Mono Spot Ceiling Large Ø56

Power LED DC 950 mA - 11W - 970 lm - 2700K/CRI 90 / 11W - 1050 lm - 3000K/CRI 90
Power LED DC 1200 mA - 14W - 1225 lm - 2700K/CRI 90 / 14W - 1300 lm - 3000K/CRI 90





Verstellbare LED-Leuchte für den Innenbereich, geeignet für Deckenmontagen. Das Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 355° horizontal möglich ist. Integrierte Full-Cut-Off optische Gruppe. Die Fernspeisung (nicht enthalten) muss an einer zugänglichen Stelle angebracht werden. Der Installationsrahmen muss separat bestellt.

Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 355° on the horizontal axis.
Integrated Full cut-off optical group. The remote power supply (not included) must be placed in an accessible location.
The installation frame must be ordered separately.

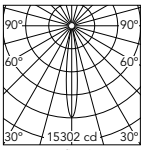
Empfohlene Netzgeräte / Recommended power supply*:

	950 mA	1200 mA
Non Dimmable	60.7677	60.9276
Dimmable Dali 2 / Push	60.7678	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 03.1250.DYB
- 03.1250.DRB
- 03.1250.EQB
- 03.1250.ERB
- 03.1250.ESB

14° SPOT



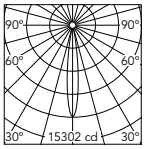
Luminous flux luminaire 1070 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15302	0.24
2	3825	0.48
3	1700	0.72
4	956	0.96
5	612	1.20

3000K
- 03.1255.DYB
- 03.1255.DRB
- 03.1255.EQB
- 03.1255.ERB
- 03.1255.ESB

14° SPOT



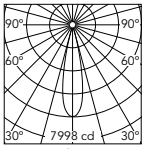
Luminous flux luminaire 1070 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15302	0.24
2	3825	0.48
3	1700	0.72
4	956	0.96
5	612	1.20

2700K
- 03.1251.DYB
- 03.1251.DRB
- 03.1251.EQB
- 03.1251.ERB
- 03.1251.ESB

23° MEDIUM



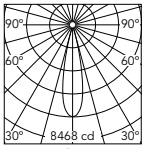
Luminous flux luminaire 1094 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7998	0.40
2	1999	0.80
3	889	1.20
4	500	1.60
5	320	2.00

3000K
- 03.1256.DYB
- 03.1256.DRB
- 03.1256.EQB
- 03.1256.ERB
- 03.1256.ESB

23° MEDIUM



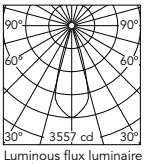
Luminous flux luminaire 1158 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8468	0.40
2	2117	0.80
3	941	1.20
4	529	1.60
5	339	2.00

2700K
- 03.1252.DYB
- 03.1252.DRB
- 03.1252.EQB
- 03.1252.ERB
- 03.1252.ESB

34° FLOOD



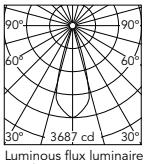
Luminous flux luminaire 1043 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3557	0.61
2	889	1.22
3	395	1.83
4	222	2.43
5	142	3.04

3000K
- 03.1257.DYB
- 03.1257.DRB
- 03.1257.EQB
- 03.1257.ERB
- 03.1257.ESB

34° FLOOD



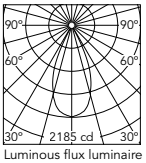
Luminous flux luminaire 1081 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3687	0.61
2	922	1.22
3	410	1.83
4	230	2.43
5	147	3.04

2700K
- 03.1253.DYB
- 03.1253.DRB
- 03.1253.EQB
- 03.1253.ERB
- 03.1253.ESB

45° WIDE FLOOD



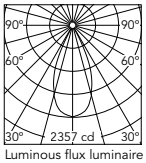
Luminous flux luminaire 1063 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2185	0.84
2	546	1.68
3	243	2.52
4	137	3.35
5	87	4.19

3000K
- 03.1258.DYB
- 03.1258.DRB
- 03.1258.EQB
- 03.1258.ERB
- 03.1258.ESB

45° WIDE FLOOD



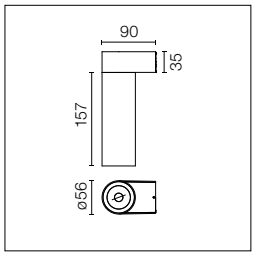
Luminous flux luminaire 1146 lm

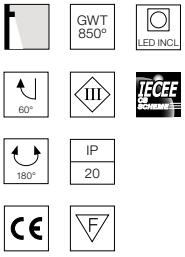
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2357	0.84
2	589	1.68
3	262	2.52
4	147	3.35
5	94	4.19

Mono Spot Wall Large Ø56

Power LED DC 950 mA - 11W - 970 lm - 2700K/CRI 90 / 11W - 1050 lm - 3000K/CRI 90
Power LED DC 1200 mA - 14W - 1225 lm - 2700K/CRI 90 / 14W - 1300 lm - 3000K/CRI 90





Verstellbare LED-Leuchte für den Innenbereich, geeignet für Wandmontagen. Das Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 180° horizontal möglich ist.
Integrierte Full-Cut-Off optische Gruppe.
Die Fernspeisung (nicht enthalten) muss an einer zugänglichen Stelle angebracht werden.
Der Installationsrahmen muss separat bestellt.

Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis.
Integrated Full cut-off optical group.
The remote power supply (not included) must be placed in an accessible location.
The installation frame must be ordered separately.

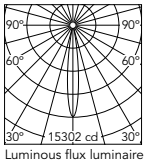
Empfohlene Netzgeräte / Recommended power supply*:

	950 mA	1200 mA
Non Dimmable	60.7677	60.9276
Dimmable Dali 2 / Push	60.7678	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 03.1230.DYB
- 03.1230.DRB
- 03.1230.EQB
- 03.1230.ERB
- 03.1230.ESB

14° SPOT

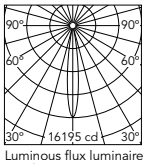


Luminous flux luminaire 1070 lm

Beam Angle:	14°
h(m)	E(lx) D(m)
1	15302 0.24
2	3825 0.48
3	1700 0.72
4	956 0.96
5	612 1.20

3000K
- 03.1235.DYB
- 03.1235.DRB
- 03.1235.EQB
- 03.1235.ERB
- 03.1235.ESB

14° SPOT

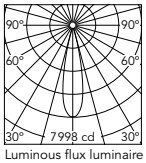


Luminous flux luminaire 1132 lm

Beam Angle:	14°
h(m)	E(lx) D(m)
1	16195 0.24
2	4049 0.48
3	1799 0.72
4	1012 0.96
5	648 1.20

2700K
- 03.1231.DYB
- 03.1231.DRB
- 03.1231.EQB
- 03.1231.ERB
- 03.1231.ESB

23° MEDIUM

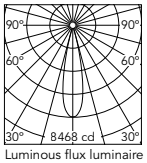


Luminous flux luminaire 1094 lm

Beam Angle:	23°
h(m)	E(lx) D(m)
1	7998 0.40
2	1999 0.80
3	889 1.20
4	500 1.60
5	320 2.00

3000K
- 03.1236.DYB
- 03.1236.DRB
- 03.1236.EQB
- 03.1236.ERB
- 03.1236.ESB

23° MEDIUM

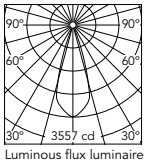


Luminous flux luminaire 1158 lm

Beam Angle:	23°
h(m)	E(lx) D(m)
1	8468 0.40
2	2117 0.80
3	941 1.20
4	529 1.60
5	339 2.00

2700K
- 03.1232.DYB
- 03.1232.DRB
- 03.1232.EQB
- 03.1232.ERB
- 03.1232.ESB

34° FLOOD

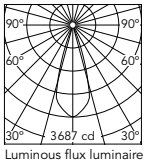


Luminous flux luminaire 1043 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3557 0.61
2	889 1.22
3	395 1.83
4	222 2.43
5	142 3.04

3000K
- 03.1237.DYB
- 03.1237.DRB
- 03.1237.EQB
- 03.1237.ERB
- 03.1237.ESB

34° FLOOD

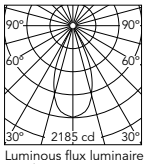


Luminous flux luminaire 1081 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	3687 0.61
2	922 1.22
3	410 1.83
4	230 2.43
5	147 3.04

2700K
- 03.1233.DYB
- 03.1233.DRB
- 03.1233.EQB
- 03.1233.ERB
- 03.1233.ESB

45° WIDE FLOOD

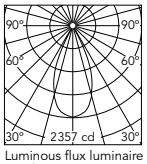


Luminous flux luminaire 1063 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	2185 0.84
2	546 1.68
3	243 2.52
4	137 3.35
5	87 4.19

3000K
- 03.1238.DYB
- 03.1238.DRB
- 03.1238.EQB
- 03.1238.ERB
- 03.1238.ESB

45° WIDE FLOOD

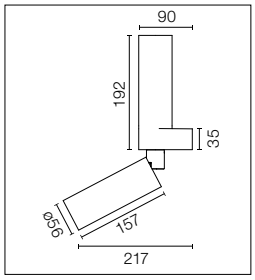


Luminous flux luminaire 1146 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	2357 0.84
2	589 1.68
3	262 2.52
4	147 3.35
5	94 4.19

Double Spot Wall Large Ø56

Power LED DC 950 mA - 22W - 1940 lm - 2700K/CRI 90 / 22W - 2100 lm - 3000K/CRI 90
Power LED DC 1200 mA - 28W - 2450 lm - 2700K/CRI 90 / 28W - 2600 lm - 3000K/CRI 90



GWT 850°
LED INCL.
60°
III
180°
IP 20
CE
F

Verstellbare LED-Leuchte für den Innenbereich, geeignet für Wandmontagen. Das untere Gehäuse kann aus der Installationsfläche herausgezogen werden, so dass eine Ausrichtung von 60° vertikal und 180° horizontal möglich ist. Integrierte Full-Cut-Off optische Gruppe. Integriertes Zubehör (Up Diffusor). Die Fernspeisung (nicht enthalten) muss an einer zugänglichen Stelle angebracht werden. Der Installationsrahmen muss separat bestellt

Adjustable luminaire with LED for indoor use, suitable for wall installation. The lower part of the body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis. Integrated Full cut-off optical group. Accessories integrated (up diffuser). The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately

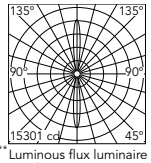
Empfohlene Netzgeräte / Recommended power supply*:

	950 mA	1200 mA
Non Dimmable	60.7677	60.9276
Dimmable Dali 2 / Push	60.7678	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Siehe Treiberkapitel / Refer to the Drivers chapter

2700K
- 03.1240.DYB
- 03.1240.DRB
- 03.1240.EQB
- 03.1240.ERB
- 03.1240.ESB

14° SPOT



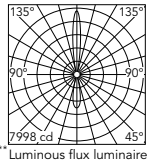
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15301	0.24
2	3825	0.48
3	1701	0.72
4	956	0.96
5	612	1.20

**Luminous flux luminaire 2139 lm

2700K
- 03.1241.DYB
- 03.1241.DRB
- 03.1241.EQB
- 03.1241.ERB
- 03.1241.ESB

23° MEDIUM



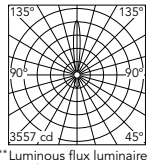
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7998	0.40
2	1999	0.80
3	889	1.20
4	500	1.60
5	320	2.00

**Luminous flux luminaire 2163 lm

2700K
- 03.1242.DYB
- 03.1242.DRB
- 03.1242.EQB
- 03.1242.ERB
- 03.1242.ESB

34° FLOOD



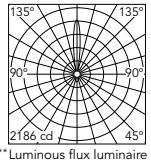
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3557	0.61
2	889	1.22
3	395	1.83
4	222	2.43
5	142	3.04

**Luminous flux luminaire 2112 lm

2700K
- 03.1243.DYB
- 03.1243.DRB
- 03.1243.EQB
- 03.1243.ERB
- 03.1243.ESB

45° WIDE FLOOD



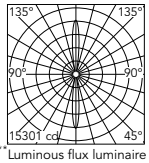
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2186	0.84
2	546	1.68
3	243	2.52
4	136	3.35
5	87	4.19

**Luminous flux luminaire 2132 lm

3000K
- 03.1245.DYB
- 03.1245.DRB
- 03.1245.EQB
- 03.1245.ERB
- 03.1245.ESB

14° SPOT



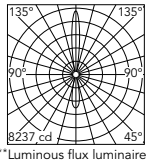
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15301	0.24
2	3825	0.48
3	1701	0.72
4	956	0.96
5	612	1.20

**Luminous flux luminaire 2139 lm

3000K
- 03.1246.DYB
- 03.1246.DRB
- 03.1246.EQB
- 03.1246.ERB
- 03.1246.ESB

23° MEDIUM



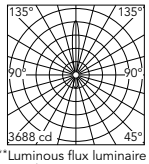
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8237	0.40
2	2059	0.80
3	916	1.20
4	515	1.60
5	330	2.00

**Luminous flux luminaire 2228 lm

3000K
- 03.1247.DYB
- 03.1247.DRB
- 03.1247.EQB
- 03.1247.ERB
- 03.1247.ESB

34° FLOOD



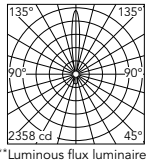
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3688	0.61
2	922	1.22
3	411	1.83
4	230	2.43
5	148	3.04

**Luminous flux luminaire 2150 lm

3000K
- 03.1248.DYB
- 03.1248.DRB
- 03.1248.EQB
- 03.1248.ERB
- 03.1248.ESB

45° WIDE FLOOD



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2358	0.84
2	589	1.68
3	261	2.52
4	146	3.35
5	95	4.19

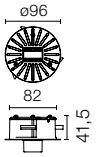
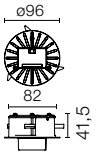
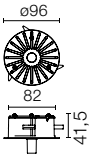
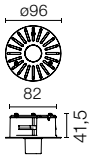
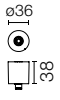
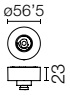
**Luminous flux luminaire 2216 lm

** Photometrische Daten ohne Up Diffusor / Photometric data without up diffuser.

HOW TO ORDER C1

	SURFACE					RECESSED			
	SMALL			LARGE		SMALL		LARGE	
	Ceiling	Wall	Wall flush	Ceiling	Wall flush	Ceiling	Wall	Ceiling	Wall
Mono Spot									
Mono Spot									
Double Spot									

Zubehör / Accessories

No-Trim-Installierungsrahmen für Wandinstallierung.	No Trim installation frame for wall mounting.			C1 Wall Small Mono 08.0206.00 C1 Wall Small Double 08.0227.00
No-Trim-Installierungsrahmen für Wandinstallierung.	No Trim installation frame for wall mounting.			C1 Wall Large Mono 08.0205.00A C1 Wall Large Double 08.0226.00A
No-Trim-Installierungsrahmen für Deckeninstallierung.	No Trim installation frame for ceiling mounting.			C1 Ceiling Small 08.0208.00
No-Trim-Installierungsrahmen für Deckeninstallierung.	No Trim installation frame for ceiling mounting.			C1 Ceiling Large 08.0207.00A
Lackierter Aluminiumträger für Oberflächeninstallierung (Wand).	Coated aluminum mount for surface installation (wall).			C1 Wall Small Mono 08.0209.DY 08.0209.DR 08.0209.EQ 08.0209.ER 08.0209.ES C1 Wall Small Double 08.0228.DY 08.0228.DR 08.0228.EQ 08.0228.ER 08.0228.ES
Aluminium-Halterung für den flächenbündigen Einbau (Wand). Geeignet für widerstandsfähige Oberflächen wie Ziegel, Holz oder Beton. Nicht geeignet für Gipskartonwände. Inklusive Kabel mit Kabelsteckverbindung, 500 mm.	Aluminum mount for surface flush installation (wall). Fit for resistant surfaces such as brick, wood or concrete. Not valid for plasterboard walls. Includes female connector cable 500 mm.	 		C1 Wall Small Mono 08.0231.00 C1 Wall Small Double 08.0255.00 C1 Wall Large Mono 08.0210.00A C1 Wall Large Double 08.0254.00A
Lackierter Aluminiumträger für Oberflächeninstallierung (Decke).	Coated aluminum mount for surface installation (ceiling).			C1 Ceiling Small 08.0211.DY 08.0211.DR 08.0211.EQ 08.0211.ER 08.0211.ES
Lackierter Aluminiumträger für Oberflächeninstallierung (Decke).	Coated aluminum mount for surface installation (ceiling).			C1 Ceiling Large 08.0212.DYA 08.0212.DRA 08.0212.EQA 08.0212.ERA 08.0212.ESA

UT PRO SURFACE

DESIGNED BY FLOS ARCHITECTURAL

UT PRO SURFACE
150

LIGHT SOURCE
LED ARRAY
21W
2524 lm
3000K/CRI 80
2183 lm
3000K/CRI 90
2360 lm
4000K/CRI 90

UT PRO SURFACE
175

LIGHT SOURCE
LED ARRAY
46,5W
4740 lm
3000K/CRI 80
3960 lm
3000K/CRI 90
4278 lm
4000K/CRI 90

☐ 40 Weiss
40 White

■ 14 Schwarz
14 Black

Produktbeschreibung
Innenleuchte zur Installation auf der Oberfläche, erhältlich mit Hochleistungs-LED-Technologie Lichtquellen und Regler.
Der optische Leuchtenkörper sowie das Netzgerätgehäuse sind aus Aluminium Hochdruckguss mit Pulverbeschichtung in Weiß oder Schwarz gefertigt.
Zu den Leuchten gehören Netzanschlussgeräte im Leuchtenkörper.

Optisches System
Spot, Medium und Flood Optik erhältlich und besitzen einen hocheffizienten Reflektor aus Borosilikatglas.

Zubehör
Querabschirmung, elliptische Linse, Flood und Honeycomb Linse.

Zusatzinformationen
360° vertikale und 90° horizontale Drehung möglich.
Einrastmechanismus für die horizontale Achse integriert.
Schutzgrad IP20.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Indoor luminaire for surface installation, available in high power, LED technology light sources and regulator included.
The optical housing of the luminaire, as well as the container of the power supply equipment, is manufactured in high-pressure injected aluminium, with white or black finishes.
The luminaires include a power supply unit in the luminaire's own body.

Optic System
Available with spot, medium and flood optics and a built-in high-efficiency borosilicate glass reflector.

Accessories
Shielding cylinder, elliptical lens, flood and honeycomb lens.

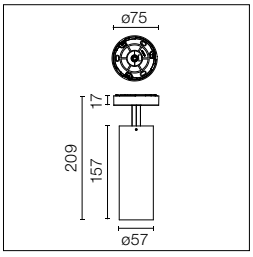
Additional Information
Possibility of 360° rotation in the vertical axis and 90° rotation in the horizontal axis. Blocking mechanism for horizontal axis integrated.
IP20 protection grade.

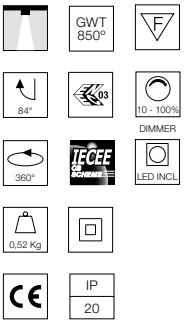
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

UT Pro Surface 150

LED Array 21W - 2524 lm - 3000K/CRI 80 / 21W - 2183 lm - 3000K/CRI 90 / 21W - 2360 lm - 4000K/CRI 90



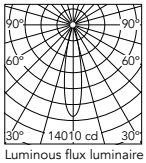


Projektor zur Installation auf der Oberfläche mit LED-Lichtquelle. Netzteil 120-277V und Potentiometer enthalten.

LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

3000K - CRI 80
On board dimmer
09.7290.40B
09.7290.14B

21° SPOT



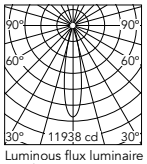
Luminous flux luminaire
2266 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	14010	0.37
2	3503	0.74
3	1557	1.11
4	876	1.48
5	560	1.85

3000K - CRI 90
On board dimmer
09.7296.40B
09.7296.14B

21° SPOT



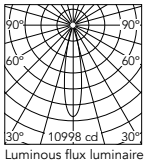
Luminous flux luminaire
1931 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11938	0.37
2	2984	0.74
3	1326	1.11
4	746	1.48
5	478	1.85

4000K - CRI 90
On board dimmer
09.7291.40B
09.7291.14B

21° SPOT



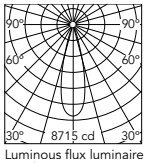
Luminous flux luminaire
1779 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	10998	0.37
2	2750	0.74
3	1222	1.11
4	687	1.48
5	440	1.85

3000K - CRI 80
On board dimmer
09.7292.40D
09.7292.14B

27° MEDIUM



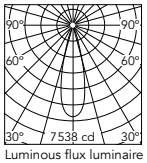
Luminous flux luminaire
1902 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8715	0.49
2	2179	0.98
3	968	1.47
4	545	1.96
5	349	2.44

3000K - CRI 90
On board dimmer
09.7297.40D
09.7297.14B

27° MEDIUM



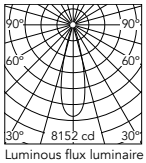
Luminous flux luminaire
1645 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7538	0.49
2	1884	0.98
3	838	1.47
4	471	1.96
5	302	2.44

4000K - CRI 90
On board dimmer
09.7293.40B
09.7293.14B

27° MEDIUM



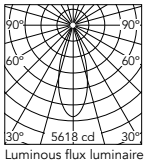
Luminous flux luminaire
1779 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8152	0.49
2	2038	0.98
3	906	1.47
4	509	1.96
5	326	2.44

3000K - CRI 80
On board dimmer
09.7294.40D
09.7294.14B

35° FLOOD



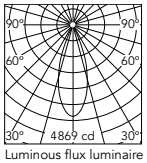
Luminous flux luminaire
1898 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	5618	0.64
2	1404	1.27
3	624	1.91
4	351	2.54
5	225	3.18

3000K - CRI 90
On board dimmer
09.7298.40D
09.7298.14D

36° FLOOD



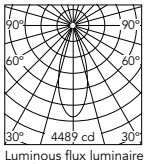
Luminous flux luminaire
1666 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4869	0.64
2	1217	1.28
3	541	1.92
4	304	2.56
5	195	3.20

4000K - CRI 90
On board dimmer
09.7295.40B
09.7295.14B

36° FLOOD



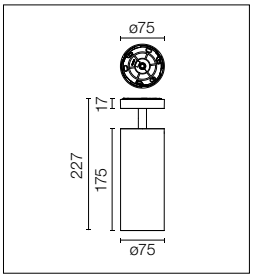
Luminous flux luminaire
1536 lm

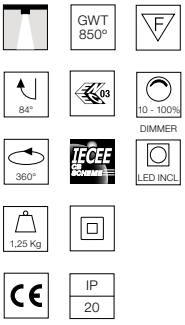
Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4489	0.64
2	1122	1.28
3	499	1.92
4	281	2.56
5	180	3.20

UT Pro Surface 175

LED Array 46,5W - 4740 lm - 3000K/CRI 80 / 3960 lm - 3000K/CRI 90 / 4278 lm - 4000K/CRI 90



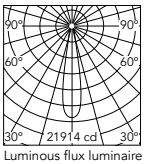


Projektor zur Installation auf der Oberfläche mit LED-Lichtquelle. Netzteil 120-277V und Potentiometer enthalten.

LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

3000K - CRI 80
On board dimmer
09.7320.40A
09.7320.14A

20° SPOT

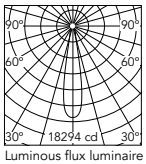


Luminous flux luminaire 3638 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	21906	0.35
2	5477	0.70
3	2434	1.04
4	1369	1.39
5	876	1.74

3000K - CRI 90
On board dimmer
09.7321.40A
09.7321.14A

20° SPOT

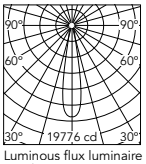


Luminous flux luminaire 3037 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	18287	0.35
2	4572	0.70
3	2032	1.04
4	1143	1.39
5	731	1.74

4000K - CRI 90
On board dimmer
09.7322.40A
09.7322.14A

20° SPOT

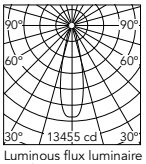


Luminous flux luminaire 3283 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	19769	0.35
2	4942	0.70
3	2197	1.04
4	1236	1.39
5	791	1.74

3000K - CRI 80
On board dimmer
09.7323.40A
09.7323.14A

27° MEDIUM

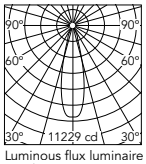


Luminous flux luminaire 3531 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	13450	0.48
2	3362	0.96
3	1494	1.44
4	841	1.93
5	538	2.41

3000K - CRI 90
On board dimmer
09.7324.40A
09.7324.14A

27° MEDIUM

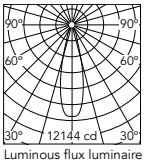


Luminous flux luminaire 2947 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	11225	0.48
2	2806	0.96
3	1247	1.44
4	702	1.93
5	449	2.41

4000K - CRI 90
On board dimmer
09.7325.40A
09.7325.14A

27° MEDIUM

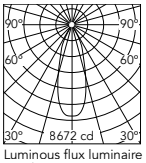


Luminous flux luminaire 3187 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	12140	0.48
2	3035	0.96
3	1349	1.44
4	759	1.93
5	486	2.41

3000K - CRI 80
On board dimmer
09.7326.40A
09.7326.14A

34° FLOOD

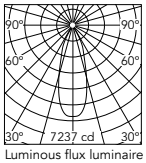


Luminous flux luminaire 3476 lm

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	8672	0.61
2	2168	1.22
3	964	1.83
4	542	2.44
5	347	3.04

3000K - CRI 90
On board dimmer
09.7327.40A
09.7327.14A

34° FLOOD

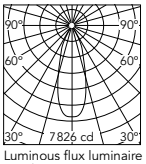


Luminous flux luminaire 2901 lm

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	7237	0.61
2	1809	1.22
3	804	1.83
4	452	2.44
5	289	3.04

4000K - CRI 90
On board dimmer
09.7328.40A
09.7328.14A

34° FLOOD



Luminous flux luminaire 3137 lm

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	7826	0.61
2	1957	1.22
3	870	1.83
4	489	2.44
5	313	3.04

Zubehör / Accessories

Querabschirmung, Linsen und Honeycomb können ohne Befestigungszubehör direkt in den Leuchtenkopf eingesetzt werden.

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.

Querabschirmung.	Screening crosspiece.		UT Pro Surface 150 08.8429.00 UT Pro Surface 175 08.9108.00
Elliptische linse.	Elliptical lens.		UT Pro Surface 150 08.8431.00 UT Pro Surface 175 08.9109.00
Floodlinse.	Flood lens.		UT Pro Surface 150 08.8432.00 UT Pro Surface 175 08.9110.00
Honeycomb.	Honeycomb.		UT Pro Surface 150 08.8428.00 UT Pro Surface 175 08.9107.00
Konische Abschirmung.	Snoot shielding cone.	 	UT Pro Surface 150 08.0526.00 08.0526.40 08.0526.BW UT Pro Surface 175 08.9111.00

KAP SURFACE&SUSPENSION

DESIGNED BY FLOS ARCHITECTURAL

CEILING
Ø80 ROUND

CEILING
80 SQUARE

LIGHT SOURCE
LED ARRAY
11,3W
935 lm
2700K/CRI 90
974 lm
3000K/CRI 90

CEILING
Ø100

WALL
Ø100

SUSPENSION
Ø100

LIGHT SOURCE
POWER LED
9W
1000 lm
3000K/CRI 80

Außen / Outside

- ☐ B1 Weiss / B1 White
- ■ 14 Schwarz / 14 Black
- ■ 18 Deep Brown / 18 Deep Brown

Innen / Inside

- ☐ Weiss / White
- ■ Mattgold / Matte Gold
- ■ Kupfer / Copper
- ■ Schwarz / Black

Kap 80
Round / Square

Außen / Outside

- ☐ 11 Weiss / 11 White
- AS Gebürstetes Aluminium / AS Brushed Aluminium
- ■ AN Schwarz / AN Black
- ■ B3 Braun / B3 Brown

Innen / Inside

- ☐ Weiss / White
- ■ Mattgold / Matte Gold
- ■ Kupfer / Copper
- ■ Schwarz / Black

Kap Ø100

Produktbeschreibung
Leuchten Produktlinie mit direkter Beleuchtung oder mit direkter und indirekter Beleuchtung je nach Version zur Installation an Decken, Wänden oder hängend. Die Ø80 Version gibt es in der Ausführung mit runden und quadratischen Leuchtmodulen.
Die Haupteinheit der Leuchte besteht aus extrudiertem Aluminium.
Die Kap 80 Surface ist in drei externen Ausführungen (weiß, schwarz und deep brown) und vier internen Ausführungen (weiß, matt gold, kupfer und schwarz) erhältlich.
Die anderen Versionen sind in vier externen Ausführungen (weiß, poliertes Aluminium, schwarz und braun) und vier internen Ausführungen (weiß, matt gold, kupfer und schwarz) erhältlich.

Reflektoren
Die Ø100 Version besitzt einen Innenstrahler aus farbigem Polycarbonat und die Ø80 Version einen Strahler aus farbigem Aluminium. Zudem besitzen beide Ausführungen eine Licht streuende Linse aus weißem Polycarbonat für eine gleichmäßige Ausleuchtung.

Betriebsgerät
Elektronischer Transformator eingebaut.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Zusatzinformationen
Schutzgrad IP20.
Schutzklasse I.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Family of luminaires with direct or indirect lighting depending on the version, to be installed on ceilings, walls or suspended. Version Ø80 comes with round or square lighting modules.
The main body of the luminaire is made of extruded aluminum.
Kap 80 Surface version is available in three external finishes (black, white and deep brown) and four internal finishes (white, matte gold, copper and black).
The other versions are available in four external finishes (white, polished aluminium, black and brown) and four internal finishes (white, matte gold, copper and black).

Reflectors
Version Ø100 has an internal reflector in painted polycarbonate in its internal part, while version Ø80 has a reflector in painted aluminum. Furthermore, both versions incorporate a diffusing lens in opal polycarbonate to ensure uniform light distribution.

Power Supply
Electronic transformer incorporated.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Additional Information
IP20 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.

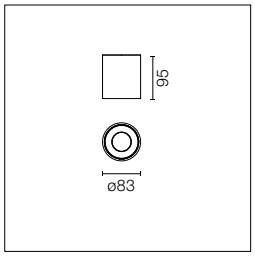
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

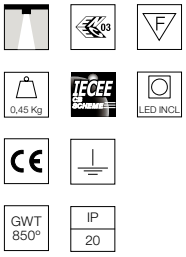
Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Ceiling Suspension Wall

Kap 80 Surface Ceiling Round

LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Stromversorgung in den Leuchtkörper integriert. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Außenfarbe
I= Innenfarbe

Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

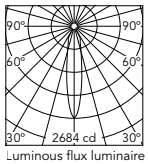
E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
- 03.6020.B1
- 03.6020.14
- 03.6020.18

Mains Dimming
- 03.5920.B1
- 03.5920.14
- 03.5920.18

Dali/Push Version
- 03.6020.B1ADA
- 03.6020.14ADA
- 03.6020.18ADA



Luminous flux luminaire
710 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2684	0.34
2	671	0.68
3	298	1.02
4	168	1.36
5	107	1.70

Non Dimmable
- 03.6021.B1
- 03.6021.14
- 03.6021.18

Mains Dimming
- 03.5921.B1
- 03.5921.14
- 03.5921.18

Dali/Push Version
- 03.6021.B1ADA
- 03.6021.14ADA
- 03.6021.18ADA

Non Dimmable
- 03.6028.B1
- 03.6028.14
- 03.6028.18

Mains Dimming
- 03.5928.B1
- 03.5928.14
- 03.5928.18

Dali/Push Version
- 03.6028.B1ADA
- 03.6028.14ADA
- 03.6028.18ADA

Non Dimmable
- 03.6023.B1
- 03.6023.14
- 03.6023.18

Mains Dimming
- 03.5923.B1
- 03.5923.14
- 03.5923.18

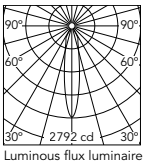
Dali/Push Version
- 03.6023.B1ADA
- 03.6023.14ADA
- 03.6023.18ADA

Optic Spot 3000K

E I Non Dimmable
- 03.6024.B1
- 03.6024.14
- 03.6024.18

Mains Dimming
- 03.5924.B1
- 03.5924.14
- 03.5924.18

Dali/Push Version
- 03.6024.B1ADA
- 03.6024.14ADA
- 03.6024.18ADA



Luminous flux luminaire
739 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2792	0.34
2	698	0.68
3	310	1.02
4	175	1.36
5	112	1.70

Non Dimmable
- 03.6025.B1
- 03.6025.14
- 03.6025.18

Mains Dimming
- 03.5925.B1
- 03.5925.14
- 03.5925.18

Dali/Push Version
- 03.6025.B1ADA
- 03.6025.14ADA
- 03.6025.18ADA

Non Dimmable
- 03.6029.B1
- 03.6029.14
- 03.6029.18

Mains Dimming
- 03.5929.B1
- 03.5929.14
- 03.5929.18

Dali/Push Version
- 03.6029.B1ADA
- 03.6029.14ADA
- 03.6029.18ADA

Non Dimmable
- 03.6027.B1
- 03.6027.14
- 03.6027.18

Mains Dimming
- 03.5927.B1
- 03.5927.14
- 03.5927.18

Dali/Push Version
- 03.6027.B1ADA
- 03.6027.14ADA
- 03.6027.18ADA

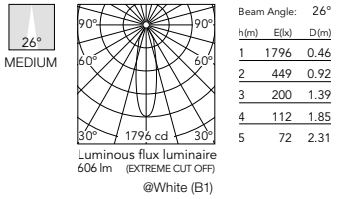
Optic Medium 2700K

E I

Non Dimmable
- 03.6000.B1
- 03.6000.14
- 03.6000.18

Mains Dimming
- 03.5900.B1
- 03.5900.14
- 03.5900.18

Dali/Push Version
- 03.6000.B1ADA
- 03.6000.14ADA
- 03.6000.18ADA



Luminous flux luminaire
606 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	1796	0.46
2	449	0.92
3	200	1.39
4	112	1.85
5	72	2.31

Non Dimmable
- 03.6001.B1
- 03.6001.14
- 03.6001.18

Mains Dimming
- 03.5901.B1
- 03.5901.14
- 03.5901.18

Dali/Push Version
- 03.6001.B1ADA
- 03.6001.14ADA
- 03.6001.18ADA

Non Dimmable
- 03.6008.B1
- 03.6008.14
- 03.6008.18

Mains Dimming
- 03.5908.B1
- 03.5908.14
- 03.5908.18

Dali/Push Version
- 03.6008.B1ADA
- 03.6008.14ADA
- 03.6008.18ADA

Non Dimmable
- 03.6003.B1
- 03.6003.14
- 03.6003.18

Mains Dimming
- 03.5903.B1
- 03.5903.14
- 03.5903.18

Dali/Push Version
- 03.6003.B1ADA
- 03.6003.14ADA
- 03.6003.18ADA

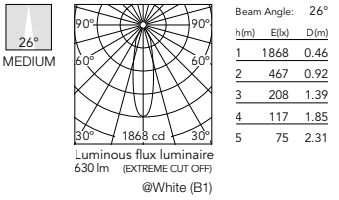
Optic Medium 3000K

E I

Non Dimmable
- 03.6004.B1
- 03.6004.14
- 03.6004.18

Mains Dimming
- 03.5904.B1
- 03.5904.14
- 03.5904.18

Dali/Push Version
- 03.6004.B1ADA
- 03.6004.14ADA
- 03.6004.18ADA



Luminous flux luminaire
630 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	1868	0.46
2	467	0.92
3	208	1.39
4	117	1.85
5	75	2.31

Non Dimmable
- 03.6005.B1
- 03.6005.14
- 03.6005.18

Mains Dimming
- 03.5905.B1
- 03.5905.14
- 03.5905.18

Dali/Push Version
- 03.6005.B1ADA
- 03.6005.14ADA
- 03.6005.18ADA

Non Dimmable
- 03.6009.B1
- 03.6009.14
- 03.6009.18

Mains Dimming
- 03.5909.B1
- 03.5909.14
- 03.5909.18

Dali/Push Version
- 03.6009.B1ADA
- 03.6009.14ADA
- 03.6009.18ADA

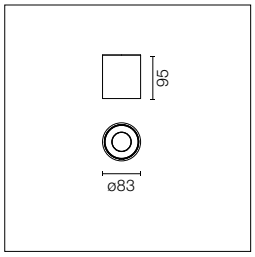
Non Dimmable
- 03.6007.B1
- 03.6007.14
- 03.6007.18

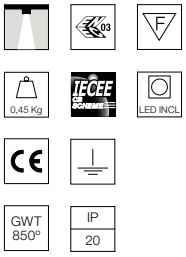
Mains Dimming
- 03.5907.B1
- 03.5907.14
- 03.5907.18

Dali/Push Version
- 03.6007.B1ADA
- 03.6007.14ADA
- 03.6007.18ADA

Kap 80 Surface Ceiling Round

LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Stromversorgung in den Leuchtkörper integriert. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

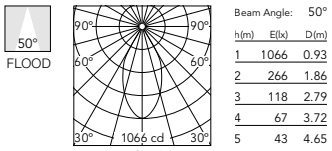
E= Außenfarbe
I= Innenfarbe

Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

Optic Flood 2700K

E I Non Dimmable
03.6040.B1
03.6040.14
03.6040.18
Mains Dimming
03.5940.B1
03.5940.14
03.5940.18
Dali/Push Version
03.6040.B1ADA
03.6040.14ADA
03.6040.18ADA



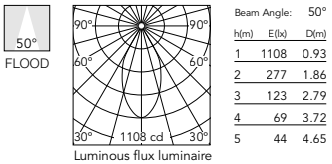
Non Dimmable
03.6041.B1
03.6041.14
03.6041.18
Mains Dimming
03.5941.B1
03.5941.14
03.5941.18
Dali/Push Version
03.6041.B1ADA
03.6041.14ADA
03.6041.18ADA

Non Dimmable
03.6048.B1
03.6048.14
03.6048.18
Mains Dimming
03.5948.B1
03.5948.14
03.5948.18
Dali/Push Version
03.6048.B1ADA
03.6048.14ADA
03.6048.18ADA

Non Dimmable
03.6043.B1
03.6043.14
03.6043.18
Mains Dimming
03.5943.B1
03.5943.14
03.5943.18
Dali/Push Version
03.6043.B1ADA
03.6043.14ADA
03.6043.18ADA

Optic Flood 3000K

E I Non Dimmable
03.6044.B1
03.6044.14
03.6044.18
Mains Dimming
03.5944.B1
03.5944.14
03.5944.18
Dali/Push Version
03.6044.B1ADA
03.6044.14ADA
03.6044.18ADA



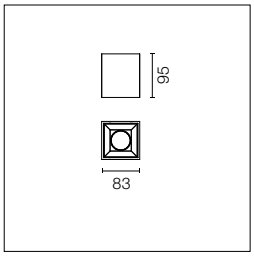
Non Dimmable
03.6045.B1
03.6045.14
03.6045.18
Mains Dimming
03.5945.B1
03.5945.14
03.5945.18
Dali/Push Version
03.6045.B1ADA
03.6045.14ADA
03.6045.18ADA

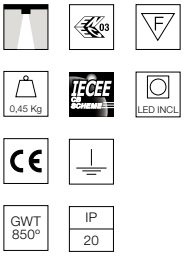
Non Dimmable
03.6049.B1
03.6049.14
03.6049.18
Mains Dimming
03.5949.B1
03.5949.14
03.5949.18
Dali/Push Version
03.6049.B1ADA
03.6049.14ADA
03.6049.18ADA

Non Dimmable
03.6047.B1
03.6047.14
03.6047.18
Mains Dimming
03.5947.B1
03.5947.14
03.5947.18
Dali/Push Version
03.6047.B1ADA
03.6047.14ADA
03.6047.18ADA

Kap 80 Surface Ceiling Square

LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Stromversorgung in den Leuchtkörper integriert. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Außenfarbe
I= Innenfarbe

Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

Optic Spot 2700K

E I Non Dimmable
- 03.6030.B1
- 03.6030.14
- 03.6030.18

Mains Dimming
- 03.5930.B1
- 03.5930.14
- 03.5930.18

Dali/Push Version
- 03.6030.B1ADA
- 03.6030.14ADA
- 03.6030.18ADA

Non Dimmable
- 03.6031.B1
- 03.6031.14
- 03.6031.18

Mains Dimming
- 03.5931.B1
- 03.5931.14
- 03.5931.18

Dali/Push Version
- 03.6031.B1ADA
- 03.6031.14ADA
- 03.6031.18ADA

Non Dimmable
- 03.6038.B1
- 03.6038.14
- 03.6038.18

Mains Dimming
- 03.5938.B1
- 03.5938.14
- 03.5938.18

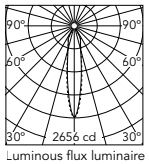
Dali/Push Version
- 03.6038.B1ADA
- 03.6038.14ADA
- 03.6038.18ADA

Non Dimmable
- 03.6033.B1
- 03.6033.14
- 03.6033.18

Mains Dimming
- 03.5933.B1
- 03.5933.14
- 03.5933.18

Dali/Push Version
- 03.6033.B1ADA
- 03.6033.14ADA
- 03.6033.18ADA

18° SPOT



Luminous flux luminaire 741 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:		18°
h(m)	E(lx)	D(m)
1	2656	0.31
2	664	0.62
3	295	0.94
4	166	1.25
5	106	1.56

Optic Spot 3000K

E I Non Dimmable
- 03.6034.B1
- 03.6034.14
- 03.6034.18

Mains Dimming
- 03.5934.B1
- 03.5934.14
- 03.5934.18

Dali/Push Version
- 03.6034.B1ADA
- 03.6034.14ADA
- 03.6034.18ADA

Non Dimmable
- 03.6035.B1
- 03.6035.14
- 03.6035.18

Mains Dimming
- 03.5935.B1
- 03.5935.14
- 03.5935.18

Dali/Push Version
- 03.6035.B1ADA
- 03.6035.14ADA
- 03.6035.18ADA

Non Dimmable
- 03.6039.B1
- 03.6039.14
- 03.6039.18

Mains Dimming
- 03.5939.B1
- 03.5939.14
- 03.5939.18

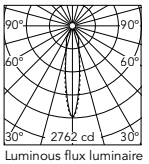
Dali/Push Version
- 03.6039.B1ADA
- 03.6039.14ADA
- 03.6039.18ADA

Non Dimmable
- 03.6037.B1
- 03.6037.14
- 03.6037.18

Mains Dimming
- 03.5937.B1
- 03.5937.14
- 03.5937.18

Dali/Push Version
- 03.6037.B1ADA
- 03.6037.14ADA
- 03.6037.18ADA

18° SPOT

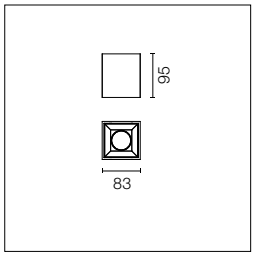


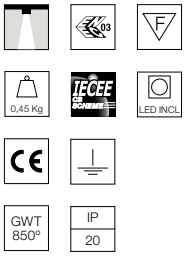
Luminous flux luminaire 771 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:		18°
h(m)	E(lx)	D(m)
1	2762	0.31
2	691	0.62
3	307	0.94
4	173	1.25
5	110	1.56

Kap 80 Surface Ceiling Square

LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90





LED Einbauleuchte. Stromversorgung in den Leuchtkörper integriert. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Außenfarbe
I= Innenfarbe

Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

Optic Medium 2700K

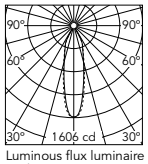
E I Non Dimmable
03.6010.B1
03.6010.14
03.6010.18
Mains Dimming
03.5910.B1
03.5910.14
03.5910.18
Dali/Push Version
03.6010.B1ADA
03.6010.14ADA
03.6010.18ADA

Non Dimmable
03.6011.B1
03.6011.14
03.6011.18
Mains Dimming
03.5911.B1
03.5911.14
03.5911.18
Dali/Push Version
03.6011.B1ADA
03.6011.14ADA
03.6011.18ADA

Non Dimmable
03.6018.B1
03.6018.14
03.6018.18
Mains Dimming
03.5918.B1
03.5918.14
03.5918.18
Dali/Push Version
03.6018.B1ADA
03.6018.14ADA
03.6018.18ADA

Non Dimmable
03.6013.B1
03.6013.14
03.6013.18
Mains Dimming
03.5913.B1
03.5913.14
03.5913.18
Dali/Push Version
03.6013.B1ADA
03.6013.14ADA
03.6013.18ADA

25°
MEDIUM



Luminous flux luminaire
615 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1606	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

Optic Medium 3000K

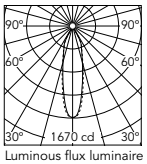
E I Non Dimmable
03.6014.B1
03.6014.14
03.6014.18
Mains Dimming
03.5914.B1
03.5914.14
03.5914.18
Dali/Push Version
03.6014.B1ADA
03.6014.14ADA
03.6014.18ADA

Non Dimmable
03.6015.B1
03.6015.14
03.6015.18
Mains Dimming
03.5915.B1
03.5915.14
03.5915.18
Dali/Push Version
03.6015.B1ADA
03.6015.14ADA
03.6015.18ADA

Non Dimmable
03.6019.B1
03.6019.14
03.6019.18
Mains Dimming
03.5919.B1
03.5919.14
03.5919.18
Dali/Push Version
03.6019.B1ADA
03.6019.14ADA
03.6019.18ADA

Non Dimmable
03.6017.B1
03.6017.14
03.6017.18
Mains Dimming
03.5917.B1
03.5917.14
03.5917.18
Dali/Push Version
03.6017.B1ADA
03.6017.14ADA
03.6017.18ADA

25°
MEDIUM



Luminous flux luminaire
640 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1670	0.45
2	418	0.90
3	186	1.34
4	104	1.79
5	67	2.24

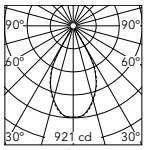
Optic Flood 2700K

E I

Non Dimmable
03.6050.B1
03.6050.14
03.6050.18

Mains Dimming
03.5950.B1
03.5950.14
03.5950.18

Dali/Push Version
03.6050.B1ADA
03.6050.14ADA
03.6050.18ADA



Luminous flux luminaire
723 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	921	1.03
2	230	2.07
3	102	3.10
4	58	4.14
5	37	5.17

Non Dimmable
03.6051.B1
03.6051.14
03.6051.18

Mains Dimming
03.5951.B1
03.5951.14
03.5951.18

Dali/Push Version
03.6051.B1ADA
03.6051.14ADA
03.6051.18ADA

Non Dimmable
03.6058.B1
03.6058.14
03.6058.18

Mains Dimming
03.5958.B1
03.5958.14
03.5958.18

Dali/Push Version
03.6058.B1ADA
03.6058.14ADA
03.6058.18ADA

Non Dimmable
03.6053.B1
03.6053.14
03.6053.18

Mains Dimming
03.5953.B1
03.5953.14
03.5953.18

Dali/Push Version
03.6053.B1ADA
03.6053.14ADA
03.6053.18ADA

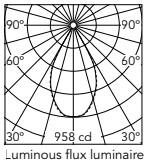
Optic Flood 3000K

E I

Non Dimmable
03.6054.B1
03.6054.14
03.6054.18

Mains Dimming
03.5954.B1
03.5954.14
03.5954.18

Dali/Push Version
03.6054.B1ADA
03.6054.14ADA
03.6054.18ADA



Luminous flux luminaire
752 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	958	1.03
2	240	2.07
3	106	3.10
4	60	4.14
5	38	5.17

Non Dimmable
03.6055.B1
03.6055.14
03.6055.18

Mains Dimming
03.5955.B1
03.5955.14
03.5955.18

Dali/Push Version
03.6055.B1ADA
03.6055.14ADA
03.6055.18ADA

Non Dimmable
03.6059.B1
03.6059.14
03.6059.18

Mains Dimming
03.5959.B1
03.5959.14
03.5959.18

Dali/Push Version
03.6059.B1ADA
03.6059.14ADA
03.6059.18ADA

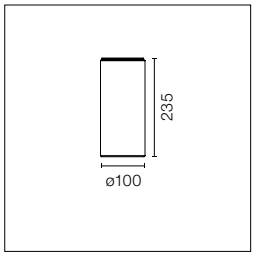
Non Dimmable
03.6057.B1
03.6057.14
03.6057.18

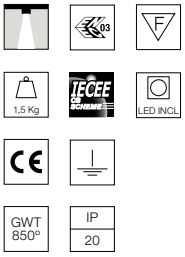
Mains Dimming
03.5957.B1
03.5957.14
03.5957.18

Dali/Push Version
03.6057.B1ADA
03.6057.14ADA
03.6057.18ADA

Kap Surface Ceiling

Power LED 9W - 1000 lm - 3000K/CRI 80





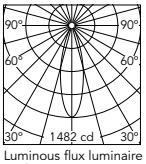
LED Einbauleuchte. Lieferung mit nicht regulierbarem Netzgerät mit 110/240V - 50/60Hz im Leuchtenkörper.

E= Außenfarbe
I= Innenfarbe

Luminaire for mounting on the ceiling with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

E= External Finish
I= Internal Finish

E I
- 03.4520.11B
- 03.4520.ASB
- 03.4520.ANB
- 03.4520.B3B



Luminous flux luminaire
550 lm

@White (B1)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

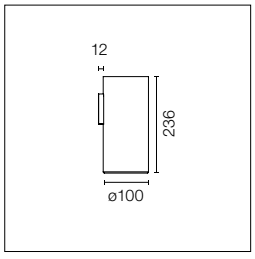
E I
- 03.4521.11B
- 03.4521.ASB
- 03.4521.ANB
- 03.4521.B3B

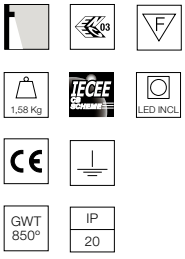
E I
- 03.4524.11B
- 03.4524.ASB
- 03.4524.ANB
- 03.4524.B3B

E I
- 03.4523.11B
- 03.4523.ASB
- 03.4523.ANB
- 03.4523.B3B

Kap Surface Wall

Power LED 9W - 1000 lm - 3000K/CRI 80





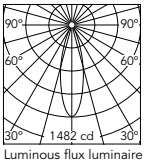
LED Wandleuchte. Lieferung mit nicht regulierbarem Netzgerät mit 110/240V - 50/60Hz im Gerätekörper.

E= Außenfarbe
I= Innenfarbe

Luminaire for wall mounting with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

E= External Finish
I= Internal Finish

E I
- 03.5730.11B
- 03.5730.ASB
- 03.5730.ANB
- 03.5730.B3B



Luminous flux luminaire
550 lm

@White (B1)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

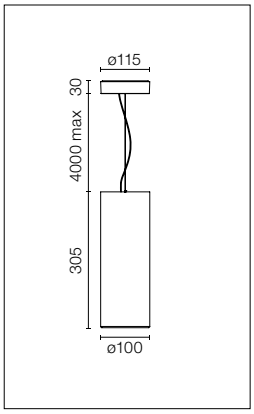
E I
- 03.5731.11B
- 03.5731.ASB
- 03.5731.ANB
- 03.5731.B3B

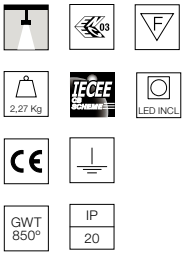
E I
- 03.5734.11B
- 03.5734.ASB
- 03.5734.ANB
- 03.5734.B3B

E I
- 03.5733.11B
- 03.5733.ASB
- 03.5733.ANB
- 03.5733.B3B

Kap Suspension

Power LED 9W - 1000 lm - 3000K/CRI 80





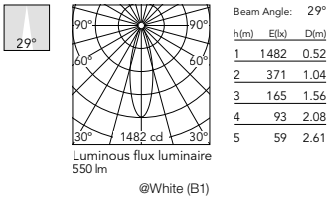
LED Aufbau-Pendelleuchte.
Lieferung mit nicht regulierbarem Netzgerät mit 110/240V - 50/60Hz im Leuchtenkörper.

E= Außenfarbe
I= Innenfarbe

Suspended ceiling-mounted luminaire with LED light source.
Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

E= External Finish
I= Internal Finish

E I
03.5810.11B
03.5810.ASB
03.5810.ANB
03.5810.B3B



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

Luminous flux luminaire
550 lm

@White (B1)

E I
03.5811.11B
03.5811.ASB
03.5811.ANB
03.5811.B3B

E I
03.5814.11B
03.5814.ASB
03.5814.ANB
03.5814.B3B

E I
03.5813.11B
03.5813.ASB
03.5813.ANB
03.5813.B3B

SUPER LINE&PRO

DESIGNED BY FLOS ARCHITECTURAL

SUPER LINE UP&DOWN INDIRECT

LIGHT SOURCE
TOP LED
58W
4488 lm UP
2160 lm DOWN
3000K/CRI 90

4794 lm UP
2280 lm DOWN
4000K/CRI 90

SUPER LINE UP&DOWN DIRECT

LIGHT SOURCE
TOP LED
58W
2268 lm UP
4488 lm DOWN
3000K/CRI 90

2376 lm UP
4794 lm DOWN
4000K/CRI 90

SUPER LINE DOWN

LIGHT SOURCE
TOP LED
38,6W
4488 lm
3000K/CRI 90
4794 lm
4000K/CRI 90

SUPER LINE PRO UP&DOWN

LIGHT SOURCE
TOP LED
60W
UP TO 4075 lm UP
UP TO 4605 lm DOWN
3000K/CRI 90

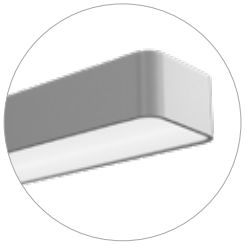
UP TO 4337 lm UP
UP TO 4900 lm DOWN
4000K/CRI 90

SUPER LINE PRO DOWN

LIGHT SOURCE
TOP LED
40W
UP TO 5072 lm
3000K/CRI 90
UP TO 4765 lm
4000K/CRI 90

	40 Weiss 40 White	02 Grau 02 Grey	14 Schwarz 14 Black	ET Gebürstetes Messing ET Brushed Brass	EU Gebürstetes Roségold EU Brushed Rose Gold
Super Line					
Super Line Pro					

Super Line



Super Line Pro

Produktbeschreibung
Eine Kollektion von Hängeleuchten mit charakteristischer minimalistischer Form für die allgemeine Beleuchtung; konzipiert für Hochleistungsbeleuchtung, höchste Lichtqualität und Sehkomfort in Kombination mit einer sehr kompakten Größe.
Die Super Line Pro-Version wurde entwickelt, um alle Anforderungen zu erfüllen, damit die Blendung reduziert und der Sehkomfort in Büroräumen verbessert wird. Dabei wurden die strengsten Bedingungen eingehalten. Ein UGR von weniger als 14 und ein maximaler Intensitätswert von weniger als 3000 cd/m^2 in einem Winkel von 65° gemäß der Norm, garantieren die besten Bedingungen für Arbeitsplätze und machen das Produkt perfekt für viele andere Anwendungen. (Siehe Tabelle UGR unter dem Kapitel Zubehör).
Der Hauptteil der Lichtquellen ist aus extruidem Aluminium hergestellt. Die Super Line ist mit einem technisch mehrschichtigen Verteilerfilter ausgestattet, was dank seiner Kombination der prismatischen und elyptischen Filter das Licht perfekt verteilt, die optische Wirkung und den Sichtkomfort mittels Gegenblendung bessert.
Super Line Up & Down sind in zwei Versionen verfügbar:
- Indirect Version: die die indirekte Beleuchtung nach oben mit einer helleren Leuchtintensität privilegiert und das beleuchtete Umfeld homogenisiert; sie bietet ein UGR<19 und ist die ideale Beleuchtung für Büros.
- Direct Version: die die direkte Beleuchtung privilegiert und die Wirkung maximiert, jedoch gleichzeitig den “Effekt Höhle” mit seiner indirekten Intensität vorbeugt und einen ausgezeichneten Komfort garantiert.
Super Line Pro Up&Down gibt es nur in einer Version, die mit dem entsprechenden Treiber personalisiert werden kann, um einen höheren Fluss im oberen oder unteren Teil zu bieten.
Um die visuelle Wirkung der Kollektion zu minimieren, sind die Hängekabel de Leiter des Stroms, wodurch der Stromschlauch beseitigt wird. Die Aufhängungslänge beträgt 4,25 m.

Einbauanleitung
Die Super Line verbindet ein ausgewähltes Lichtquellenmodul mit einem von drei verfügbaren Montagekits:
- Oberflächen-Kit: enthält Aufputzdose einschließlich des Netzgerättreibers.
- Integriertes-Kit: enthält bündig eingebaute Dose einschließlich des Netzgerättreibers
- Externes Netzgerät-Kit: enthält ein Zubehörteil als Kabelschutz sowie ein Netzgerät für eine extern zugängliche Installation.
Super Line Pro verwendet die gleichen Netzteile. Bei der Up & Down-Version verfügen die Stromquellen über zwei Ausgänge für die Leuchte mit jeweils einer Ampere-Zahl (mA). Durch Verbinden jedes dieser Ausgänge mit einem Eingang der Leuchte (Up oder Down) kann für jedes Teil ein höherer oder niedrigerer Fluss gewählt werden.
Die nicht-dimmbaren Versionen sind mit einem Mehrfachtreiber ausgestattet, der bei der Installation eingestellt werden kann, um die gewünschten Beleuchtungsverhältnisse zu erreichen.
Die Super-Line-Installationskits verlassen die Fabrik mit 100 % ihrer Nennleistung.
Alle Leuchten verfügen über eine hochempfindliche Dosenlibelle, die die Installation der Leuchte vereinfacht und die Kalibrierung auf beiden Achsen kontrolliert.

Zusatzinformationen
Schutzklasse I.
Schutzgrad IP20.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Collection of suspended luminaries for general lighting with a signature minimalist shape, designed to offer high-performance lighting, light quality and visual comfort combined in a very compact size.
The Super Line Pro version was designed to meet all requirements to reduce glare and improve visual comfort in offices, complying with the most restrictive conditions. A UGR less than 14 and a maximum intensity value less than 3000 cd/m^2 at an angle of 65° according to the standard, guarantee the best conditions for workplaces and make it perfect for many other applications. (Refer to the UGR chart in the accessories section).
The main body of the lights is made from extruded aluminium. Super Line is equipped with a multilayer diffusion filter which, thanks to its combination of elliptical and prism-shaped filters, ensures that the light is perfectly distributed and improves the overall visual effect, as well as providing comfort with its anti-glare properties.
Super Line Up&Down is available in two different versions:
- Indirect: a version which is better for emitting light indirectly upwards, with a greater intensity of indirect luminosity that homogenizes the lighting area, designed to provide UGR<19 and the perfect lighting conditions for offices.
- Direct: a version which is better for direct lighting and maximises efficiency, but at the same time prevents any “cave effect” with its indirect intensity, guaranteeing a high level of comfort.
Super Line Pro Up&Down comes in only one version that can be adjusted using the corresponding driver to offer a higher flux in the upper or lower part.
To minimise the visual impact of the collection, the suspension cables are also the wires, which eliminates the need for a power supply cable.
Suspension length: 4,25 meters.

Installation Information
The Super Line is constructed combining the selected light source module with one of the three existing installation kits:
- Surface Kit: includes surface mounted box including the power supply driver.
- Integrated Kit: includes flush-recessed installation box, including power supply driver.
- Remote Power Supply Kit: includes an accessory as pass-through cable protection as well as a power supply driver for a remote accessable installation.
All installation kits are available either in DALI version or in a non dimmable version.
Super Line Pro uses the same power kits. For the Up&Down version, the power sources have two outputs to the light fitting, each with an amount of current (mA). By connecting each of these outputs to an input of the light fitting (Up or Down), a higher or lower flux can be chosen for each part.
The non dimmable versions are equipped with a multi-current driver that can be set during the installation in order to achieve the required illumination conditions. The Super Line installation kits come from factory at 100% of their nominal power.
All luminaries host a high-precision circular level, simplifying the installation of the luminaire, controlling calibration in both axles.

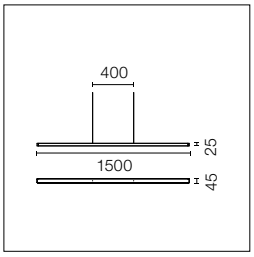
Additional Information
Insulation class I.
IP20 protection grade.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Super Line Up&Down Indirect

Top LED 58W - 4488 lm UP - 2160 lm DOWN - 3000K/CRI 90 / 58W - 4794 lm UP - 2280 lm DOWN - 4000K/CRI 90



1,45 Kg

LED INCL

GWT 850°

IP 20

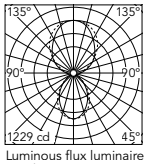
LED Leuchte für direkte oder indirekte Grundbeleuchtung mit einem unverwechselbar minimalistischen und kompakten Design, für die Installation als Hängeleuchte. Stromversorgung in den verschiedenen Einbausystemen inklusive, separat zu bestellen.

LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

3000K

- 03.9502.40
- 03.9502.02
- 03.9502.14
- 03.9502.ET
- 03.9502.EU

101°



Luminous flux luminaire 4914 lm

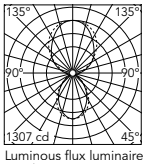
Beam Angle DIR: 101°

h(m)	E(lx)	D(m)
1	1229	2.39
2	307	4.78
3	137	7.17
4	77	9.57
5	49	11.96

4000K

- 03.9503.40
- 03.9503.02
- 03.9503.14
- 03.9503.ET
- 03.9503.EU

101°



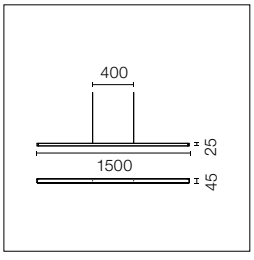
Luminous flux luminaire 5225 lm

Beam Angle DIR: 101°

h(m)	E(lx)	D(m)
1	1307	2.39
2	327	4.78
3	145	7.17
4	82	9.57
5	52	11.96

Super Line Up&Down Direct

Top LED 58W - 2268 lm UP - 4488 lm DOWN - 3000K/CRI 90 / 58W - 2376 lm UP - 4794 lm DOWN - 4000K/CRI 90



1,45 Kg

LED INCL

GWT 850°

IP 20

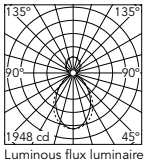
LED Leuchte für direkte oder indirekte Grundbeleuchtung mit einem unverwechselbar minimalistischen und kompakten Design, für die Installation als Hängeleuchte. Stromversorgung in den verschiedenen Einbausystemen inklusive, separat zu bestellen.

LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

3000K

- 03.9500.40
- 03.9500.02
- 03.9500.14
- 03.9500.ET
- 03.9500.EU

76°



Luminous flux luminaire 5154 lm

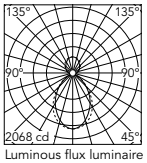
Beam Angle DIR: 82°

h(m)	E(lx)	D(m)
1	1948	1.57
2	487	3.13
3	216	4.70
4	122	6.27
5	78	7.84

4000K

- 03.9501.40
- 03.9501.02
- 03.9501.14
- 03.9501.ET
- 03.9501.EU

76°



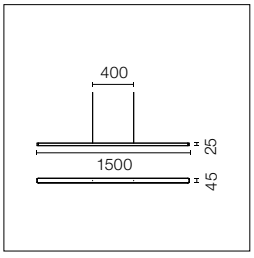
Luminous flux luminaire 5472 lm

Beam Angle DIR: 82°

h(m)	E(lx)	D(m)
1	2068	1.57
2	517	3.13
3	230	4.70
4	129	6.27
5	83	7.84

Super Line Down

Top LED 38,5W - 4488 lm - 3000K/CRI 90 / 38,5W- 4794 lm - 4000K/CRI 90



1,45 Kg

LED INCL

GWT 850°

IP 20

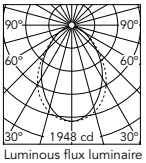
LED Leuchte zur Grundbeleuchtung mit einem unverwechselbar minimalistischen und kompakten Design, für die Installation als Hängeleuchte. Stromversorgung in den verschiedenen Einbausystemen inklusive, separat zu bestellen.

LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

3000K

- 03.9510.40
- 03.9510.02
- 03.9510.14
- 03.9510.ET
- 03.9510.EU

82°



Luminous flux luminaire 3571 lm

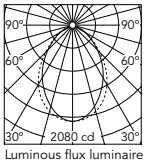
Beam Angle: 82°

h(m)	E(lx)	D(m)
1	1948	1.57
2	487	3.13
3	216	4.70
4	122	6.27
5	78	7.84

4000K

- 03.9511.40
- 03.9511.02
- 03.9511.14
- 03.9511.ET
- 03.9511.EU

82°



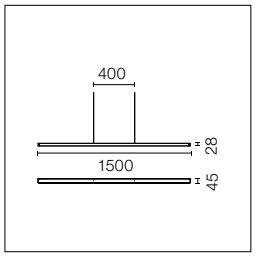
Luminous flux luminaire 3814 lm

Beam Angle: 82°

h(m)	E(lx)	D(m)
1	2080	1.57
2	520	3.13
3	231	4.70
4	130	6.27
5	83	7.84

Super Line Pro Up&Down

Majority UP - Top LED 60W - 4075 lm UP - 2500 lm DOWN - 3000K/CRI 90 / 60W - 4335 lm UP - 2660 lm DOWN - 4000K/CRI 90
Majority DOWN - Top LED 60W - 2590 lm UP - 4605 lm DOWN - 3000K/CRI 90 / 60W - 2755 lm UP - 4900 lm DOWN - 4000K/CRI 90



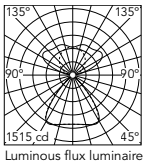
1,45 Kg | III | CE | IP 20 | GWT 850° | F | LED INCL

LED Leuchte für direkte oder indirekte Grundbeleuchtung mit einem unverwechselbar minimalistischen und kompakten Design, für die Installation als Hängeleuchte. Stromversorgung in den verschiedenen Einbausystemen inklusive, separat zu bestellen. Die Auswahl der Einheit mit der höchsten Intensität Up oder Down erfolgt in den Einspeisungssets, die über eine Vorrichtung mit zwei unabhängigen Ausgängen verfügen.

LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately. Greater Up or Down intensity can be selected using power kits with a device with two independent outputs.

3000K
- 03.9560.40
- 03.9560.02
- 03.9560.14
- 03.9560.ET
- 03.9560.EU

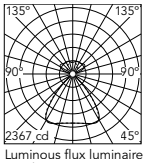
80°



Luminous flux luminaire 6172 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1515	1.68
2	379	3.35
3	168	5.03
4	95	6.71
5	61	8.38

80°



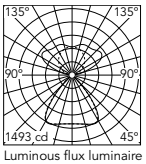
Luminous flux luminaire 6314 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	2367	1.68
2	592	3.36
3	263	5.04
4	148	6.72
5	95	8.40

@White (40)

4000K
- 03.9561.40
- 03.9561.02
- 03.9561.14
- 03.9561.ET
- 03.9561.EU

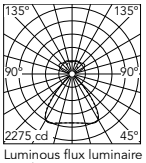
80°



Luminous flux luminaire 6135 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1493	1.68
2	373	3.35
3	166	5.03
4	93	6.71
5	60	8.38

80°



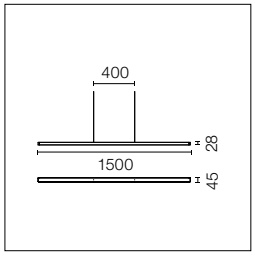
Luminous flux luminaire 6172 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	2275	1.68
2	569	3.36
3	253	5.04
4	142	6.72
5	91	8.40

@White (40)

Super Line Pro Down

Top LED 40W - 4765 lm - 3000K/CRI 90 / 40W- 5070 lm - 4000K/CRI 90



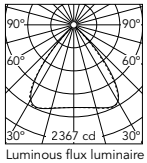
1,45 Kg | III | CE | IP 20 | GWT 850° | F | LED INCL

LED Leuchte zur Grundbeleuchtung mit einem unverwechselbar minimalistischen und kompakten Design, für die Installation als Hängeleuchte. Stromversorgung in den verschiedenen Einbausystemen inklusive, separat zu bestellen, wobei die maximale Intensität ausgewählt werden kann.

LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately, allowing the maximum brightness to be selected.

3000K
- 03.9570.40
- 03.9570.02
- 03.9570.14
- 03.9570.ET
- 03.9570.EU

80°



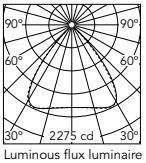
Luminous flux luminaire 3955 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	2367	1.68
2	592	3.36
3	263	5.04
4	148	6.72
5	95	8.40

@White (40)

4000K
- 03.9571.40
- 03.9571.02
- 03.9571.14
- 03.9571.ET
- 03.9571.EU

80°



Luminous flux luminaire 3801 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	2275	1.68
2	569	3.36
3	253	5.04
4	142	6.72
5	91	8.40

@White (40)

Zubehör / Accessories

Die nicht dimmbaren Versionen von Super Line und Super Line Pro Down verfügen über eine Mehrfachstromversorgung, die während der Installation konfiguriert werden kann, um die gewünschten Beleuchtungsbedingungen und Komfortniveaus zu erzielen. Die Installationskits verlassen die Fabrik mit 100 % ihrer Nennleistung (1050 mA).
Bei maximaler Leistung erfüllen alle Versionen von Super Line Pro die Anforderungen UGR <19 und L 65° <3000 cd.

The non-adjustable versions of Super Line and Super Line Pro Down are equipped with a multi-current driver, that can be set during the installation in order to achieve the required illumination conditions and comfort levels. Installation kits come from factory at 100% of their nominal power (1050 mA).
At maximum power, all versions of Super Line Pro comply with the requirements UGR<19 and L 65°<3000 cd.

Super Line

		Indirect		Direct	
Driver setting	**Light emission**	**UGR***	**L 65° < 3000 cd**	**UGR***	**L 65° < 3000 cd**
1050 mA	100%	UGR < 19			
850 mA	80%	UGR < 19			
700 mA	70%	UGR < 19			
550 mA	55%	UGR < 19	√		
500 mA	50%	UGR < 19	√	UGR < 19	√
350 mA	36%	UGR < 19	√	UGR < 19	√

*X=4H, Y=8H, S=0.25H, reflections 70/50/20

Super Line Pro

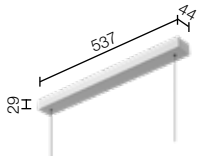
Light emission	**UGR***	**L 65° < 3000 cd**
Up & Down Majority Up	UGR < 14	√
Up & Down Majority Down	UGR < 17	√
Down	UGR < 18	√

Super Line / Super Line Pro Down

Surface Power Supply Kit

60 W – 220/240V-Netzteil inbegriffen. Die Sets für Super Line und Super Line Pro Down verfügen über einen Treiber mit DIP-Schalter, um die maximale Lichtintensität auszuwählen.

60W – 220/240V power supply included. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.



Non Dimmable
- 08.0520.40A
- 08.0520.02A
- 08.0520.14A
- 08.0520.ETA
- 08.0520.EUA

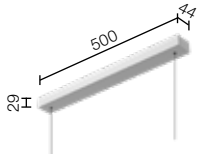
Dali Version
- 08.0521.40A
- 08.0521.02A
- 08.0521.14A
- 08.0521.ETA
- 08.0521.EUA

Super Line Pro Up&Down

Surface Power Supply Kit

85 W – 220/240V-Netzteil inbegriffen. Die Sets für Super Line Pro Up&Down verfügen über zwei Ausgänge, um auszuwählen, welcher Teil (Up oder Down) eine größere Intensität hat.

85W – 220/240V power supply included. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.



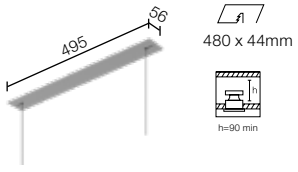
Non Dimmable / Dali Version
- 08.0640.40
- 08.0640.02
- 08.0640.14
- 08.0640.ET
- 08.0640.EU

Super Line / Super Line Pro Down

Recessed Power Supply Kit

60 W – 220/240V-Netzteil inbegriffen. Die Sets für Super Line und Super Line Pro Down verfügen über einen Treiber mit DIP-Schalter, um die maximale Lichtintensität auszuwählen.

60W – 220/240V power supply included. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.



Non Dimmable
- 08.0522.40A
- 08.0522.02A
- 08.0522.14A
- 08.0522.ETA
- 08.0522.EUA

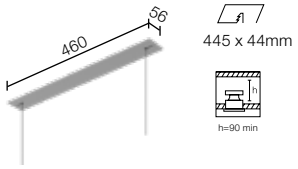
Dali Version
- 08.0523.40A
- 08.0523.02A
- 08.0523.14A
- 08.0523.ETA
- 08.0523.EUA

Super Line Pro Up&Down

Recessed Power Supply Kit

85 W – 220/240V-Netzteil inbegriffen. Die Sets für Super Line Pro Up&Down verfügen über zwei Ausgänge, um auszuwählen, welcher Teil (Up oder Down) eine größere Intensität hat.

85W – 220/240V power supply included. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.



Non Dimmable / Dali Version
- 08.0641.40
- 08.0641.02
- 08.0641.14
- 08.0641.ET
- 08.0641.EU

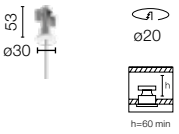
Zubehör / Accessories

Super Line / Super Line Pro Down

Remote Power Supply Kit

Enthält zwei Aufhängungssätze und ein Netzteil mit 60W - 220 / 240V. Die Sets für Super Line und Super Line Pro Down verfügen über einen Treiber mit DIP-Schalter, um die maximale Lichtintensität auszuwählen.

Includes two suspension kits and a 60W - 220/240V power supply. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.



Non Dimmable
- 08.0524.40
- 08.0524.02
- 08.0524.14
- 08.0524.ET
- 08.0524.EU

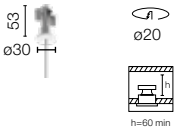
Dali Version
- 08.0525.40A
- 08.0525.02A
- 08.0525.14A
- 08.0525.ETA
- 08.0525.EUA

Super Line Pro Up&Down

Remote Power Supply Kit

Beinhaltet zwei Aufhängesätze und zwei 45W-Netzteile - 220/240V. Die Sets für Super Line Pro Up&Down verfügen über zwei Ausgänge, um auszuwählen, welcher Teil (Up oder Down) eine größere Intensität hat.

Includes two suspension kits and two 45W - 220/240V power supplies. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.



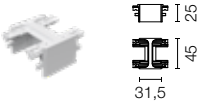
Non Dimmable / Dali Version
- 08.0642.40
- 08.0642.02
- 08.0642.14
- 08.0642.ET
- 08.0642.EU

Anschlusszubehör / Interconnection Accessories

Super Line

Mechanisches Verbindungszubehör zur Installation mehrerer Einheiten in durchgehenden Linien

Mechanical union accessory for the installation of various units in continuous lines.

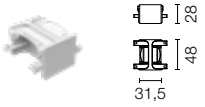


- 08.9076.40
- 08.9076.02
- 08.9076.14
- 08.9076.ET
- 08.9076.EU

Super Line Pro

Mechanisches Verbindungszubehör zur Installation mehrerer Einheiten in durchgehenden Linien

Mechanical union accessory for the installation of various units in continuous lines.



- 08.9077.40
- 08.9077.02
- 08.9077.14
- 08.9077.ET
- 08.9077.EU

Anschlussbeispiel / Interconnection Example

Super Line

Super Line Pro

LIGHT BELL

DESIGNED BY PIERO LISSONI

LIGHT SOURCE
LED ARRAY
55W
6388 lm
2700K/CRI 90
6714 lm
3000K/CRI 90

70 Mattweiss
70 Matte White

Internal Finish

Eloxiertes Aluminium
Anodized Aluminium

AN Eloxiertes Schwarz
AN Anodized Black

Gold
Gold

AP Hochglänzendes Aluminium
AP Polished Aluminium

Eloxiertes Aluminium
Anodized Aluminium

76 Glas Transparent
76 Transparent Glass

CE Zement
CE Concrete

Produktbeschreibung
Hängeleuchte für Allgemeinbeleuchtung zur Installation in Innenräumen. Mit leistungsstarker LED-Lichtquelle der jüngsten Generation und thermoplastischem Diffusor für geringen Energieverlust.
Der Leuchtenreflektor wird gesondert geliefert und ist je nach Version aus präzisionsgedrücktem Aluminium in verschiedenen Dekors und aus transparentem Glas erhältlich. Netzteil im Leuchtenkörper integriert.

Betriebsgerät
Integriertes Konstantstrom-Netzteil 220/240V.

Zusatzinformationen
Erhältlich in den Versionen Dali und Dimmable Push.
Schutzgrad IP20.
Schutzklasse I.
Abstrahler vom Typ Pin-Block.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Suspended general lighting luminaire for indoor mounting. It has a high efficiency latest generation LED light source and a low-loss technical thermoplastic diffuser.
The reflector is supplied separately and is available in spun aluminium with different patterns, and ixn transparent glass, depending on the versions. Power supply source integrated into luminaire housing.

Power Supply
Integrated 220/240V constant voltage power supply source.

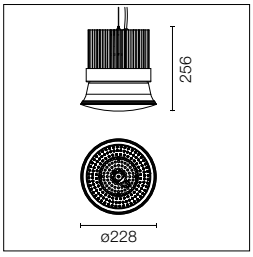
Additional Information
Available in Dali, and Dimmable Push versions.
IP20 protection grade.
Insulation class I.
Pin-block type dissipater.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Light Bell Light Source

LED Array 55W - 6388 lm - 2700K/CRI 90 / 55W - 6714 lm - 3000K/CRI 90



3,81 Kg · LED INCL · GWT 850° · IP 20 · DALI

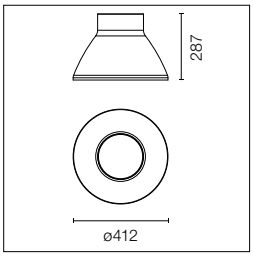
LED Pendelleuchte für Deckeninstallation (Höchstabstand zur Decke 4 meter). Netzteil 220/240V im Leuchtenkörper integriert. Reflektor ist nicht eingeschlossen, wird gesondert geliefert.
Bitte melden Sie sich für eine höhere Schutzart.
Enthält Kabelaufhängung von 4m.
Mit Glasscheibe, maximale Höhe über dem Boden: 5 m.

Suspended luminaire for mounting on the ceiling with LED light source. (4 metres maximum distance to ceiling). Power supply source 220/240V integrated into luminaire housing. Reflector not included; supplied separately.
Please ask us for a higher IP.
Includes a 4-meter suspension cable.
With glass screen, maximum height from the ground: 5 m.

2700K
Non Dimmable
07.9641.14A
Dimmable Dali
07.9641.14ADA

3000K
Non Dimmable
07.9642.14A
Dimmable Dali
07.9642.14ADA

Light Bell Reflector

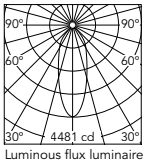


07.9630.70

0,95 Kg

E I **2700K**
07.9630.70
+
07.9641.14A

37°

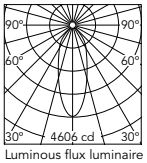


Luminous flux luminaire
3026 lm (EXTREME CUT OFF)

Beam Angle:		37°
h(m)	E(lx)	D(m)
1	4481	0.67
2	1120	1.33
3	498	2.00
4	280	2.67
5	179	3.34

E I **3000K**
07.9630.70
+
07.9642.14A

37°



Luminous flux luminaire
3139 lm (EXTREME CUT OFF)

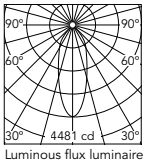
Beam Angle:		37°
h(m)	E(lx)	D(m)
1	4606	0.68
2	1152	1.35
3	512	2.03
4	288	2.70
5	184	3.38

07.9630.AP

0,95 Kg

E I **2700K**
07.9630.AP
+
07.9641.14A

37°

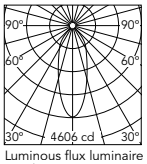


Luminous flux luminaire
3026 lm (EXTREME CUT OFF)

Beam Angle:		37°
h(m)	E(lx)	D(m)
1	4481	0.67
2	1120	1.33
3	498	2.00
4	280	2.67
5	179	3.34

E I **3000K**
07.9630.AP
+
07.9642.14A

37°



Luminous flux luminaire
3139 lm (EXTREME CUT OFF)

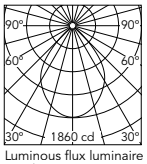
Beam Angle:		37°
h(m)	E(lx)	D(m)
1	4606	0.68
2	1152	1.35
3	512	2.03
4	288	2.70
5	184	3.38

07.9630.AN

0,95 Kg

E I **2700K**
07.9630.AN
+
07.9641.14A

78°

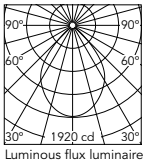


Luminous flux luminaire
2635 lm (EXTREME CUT OFF)

Beam Angle:		78°
h(m)	E(lx)	D(m)
1	1860	1.61
2	465	3.22
3	207	4.84
4	116	6.45
5	74	8.06

E I **3000K**
07.9630.AN
+
07.9642.14A

78°



Luminous flux luminaire
2733 lm (EXTREME CUT OFF)

Beam Angle:		78°
h(m)	E(lx)	D(m)
1	1920	1.62
2	480	3.23
3	213	4.85
4	120	6.47
5	77	8.08

E= Außenfarbe
I= Innenfarbe

E= External Finish
I= Internal Finish

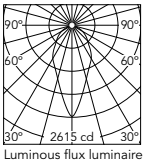
Light Bell Reflector

07.9630.76

3,41 Kg

2700K
07.9630.76
+
07.9641.14A

46°

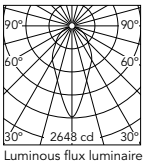


Luminous flux luminaire
3391 lm [EXTREME CUT OFF]

Beam Angle:		46°
h(m)	E(lx)	D(m)
1	2615	0.81
2	654	1.63
3	291	2.44
4	163	3.26
5	105	4.07

3000K
07.9630.76
+
07.9642.14A

46°



Luminous flux luminaire
3518 lm [EXTREME CUT OFF]

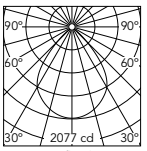
Beam Angle:		46°
h(m)	E(lx)	D(m)
1	2648	0.85
2	662	1.71
3	294	2.56
4	166	3.41
5	106	4.27

07.9630.CE

4 Kg

2700K
07.9630.CE
+
07.9641.14A

79°

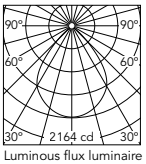


Luminous flux luminaire
3099 lm [EXTREME CUT OFF]

Beam Angle:		79°
h(m)	E(lx)	D(m)
1	2077	1.66
2	519	3.32
3	231	4.97
4	130	6.63
5	83	8.29

3000K
07.9630.CE
+
07.9642.14A

79°



Luminous flux luminaire
3229 lm [EXTREME CUT OFF]

Beam Angle:		79°
h(m)	E(lx)	D(m)
1	2164	1.66
2	541	3.32
3	240	4.97
4	135	6.63
5	87	8.29

Zubehör / Accessories

Rosette für Innenräume. IP20.

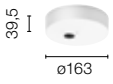
Rosette for indoors. IP20.

Non Dimmable
F0556020
Dimmable Push/*Dali
F0557020

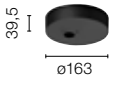
* Die DALI-Version F0557020 verfügt über 4 m Kabel, 5 Pole und 0,75 mm² Querschnitt.
* The F0557020 Dali version has a 4-meter cable, 5 poles and a 0.75mm² section.

Rosette. IP20.

Rosette. IP20.



08.8775.40



08.8775.14

FORT KNOX WALL

DESIGNED BY PHILIPPE STARCK

FORT KNOX
WALL

LIGHT SOURCE
POWER LED
35W
3715 lm
2700K/CRI 90
3900 lm
3000K/CRI 90
3774 lm
4000K/CRI 90

FORT KNOX
WALL MINI

LIGHT SOURCE
POWER LED
25W
2329 lm
2700K/CRI 90
2718 lm
3000K/CRI 90
2658 lm
4000K/CRI 90

☐ 40 Weiss
40 White

05 Polished Silver
05 Polished Silver

■ 14 Schwarz/RAL 9005
14 Black

Produktbeschreibung
Wandleuchte mit indirektem Licht.
Leuchtenkörper aus Aluminiumlegierungsdruckguss, handpoliert und mit flüssigem, transparentem Schutzlack überzogen oder weiß oder mattschwarz pulverlackiert.
Wandsupport aus Aluminiumdruckguss.
Dank ihres innovativen Designs erlaubt diese Halterung sowohl eine horizontale als auch vertikale Orientierung von bis zu 10 mm und garantiert eine perfekte Installation auf jeder Oberfläche. Zudem erlaubt die integrierte Wasserwaage dieses Fabrikats eine perfekte Ausrichtung der Leuchte.

Reflektoren
Asymetrische Linse, die dank ihrem speziellen Design eine maximale Effizienz der Beleuchtung und eine optimale Ausleuchtung garantiert.

Betriebsgerät
Nicht dimmbare, dimmbare 1-10V oder dimmbare Dali-Stromquelle im Leuchtenkörper integriert.

Zusatzinformationen
Schutzgrad IP20.
Schutzklasse I.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Luminary for wall application designed for indirect lighting.
Die-cast aluminium alloy body with hand polished finish and protected with transparent liquid paint, or powder-coated white or matte black.
Wall support made in injected aluminium. Thanks to its innovative design, this holder allows both horizontal and vertical regulation up to 10 mm, ensuring a perfect installation on any type of surface. Additionally, this product includes a spirit level, allowing a perfect luminaire calibration.

Reflectors
Thanks to its adapted design, the asymmetrical lens allow luminarie's maximum efficiency and optimal light distribution.

Power Supply
Non Dimmable, Dimmable 1-10V or Dimmable Dali power source incorporated in the luminaire body.

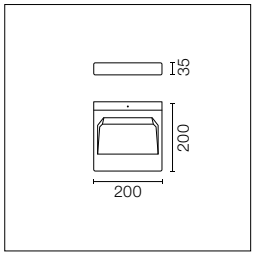
Additional Information
IP20 protection grade.
Insulation class I.

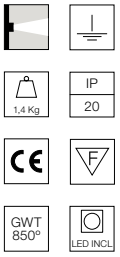
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Fort Knox Wall

Power LED 35W - 3715 lm - 2700K/CRI 90 / 3900 lm - 3000K/CRI 90 / 3774 lm - 4000K/CRI 90



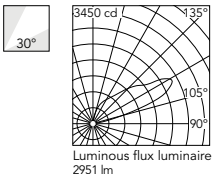


LED Deckenleuchte für indirekte Beleuchtung. Netzteil 220-240V in der Leuchte integriert.

Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

2700K
Dimmable 1-10V
- ☐ 09.2111.40C
- ▒ 09.2111.05C
- ■ 09.2111.14C

Dali Version
- ☐ 09.2111.40CDA
- ▒ 09.2111.05CDA
- ■ 09.2111.14CDA

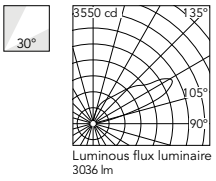


Luminous flux luminaire
2951 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	681 2.24
2	170 4.49
3	76 6.73
4	43 8.97
5	27 11.21

3000K
Dimmable 1-10V
- ☐ 09.2110.40C
- ▒ 09.2110.05C
- ■ 09.2110.14C

Dali Version
- ☐ 09.2110.40CDA
- ▒ 09.2110.05CDA
- ■ 09.2110.14CDA

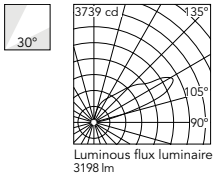


Luminous flux luminaire
3036 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	700 2.24
2	175 4.49
3	78 6.73
4	44 8.97
5	28 11.21

4000K
Dimmable 1-10V
- ☐ 09.2112.40C
- ▒ 09.2112.05C
- ■ 09.2112.14C

Dali Version
- ☐ 09.2112.40CDA
- ▒ 09.2112.05CDA
- ■ 09.2112.14CDA

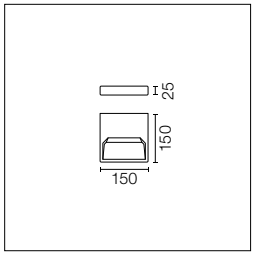


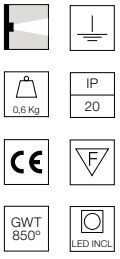
Luminous flux luminaire
3198 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	738 2.24
2	184 4.49
3	82 6.73
4	46 8.97
5	30 11.21

Fort Knox Wall Mini

Power LED 25W - 2329 lm - 2700K/CRI 90 / 2718 lm - 3000K/CRI 90 / 2658 lm - 4000K/CRI 90



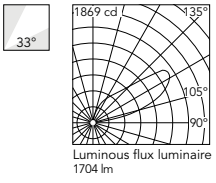


LED Deckenleuchte für indirekte Beleuchtung. Netzteil 220-240V in der Leuchte integriert.

Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

2700K
Non Dimmable
- ☐ 09.2126.40B
- ▒ 09.2126.05B
- ■ 09.2126.14B

Dali Version
- ☐ 09.2126.40BDA
- ▒ 09.2126.05BDA
- ■ 09.2126.14BDA

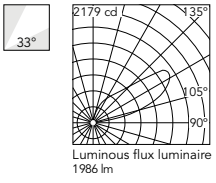


Luminous flux luminaire
1704 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	394 2.88
2	98 5.75
3	44 8.63
4	25 11.50
5	16 14.38

3000K
Non Dimmable
- ☐ 09.2125.40B
- ▒ 09.2125.05B
- ■ 09.2125.14B

Dali Version
- ☐ 09.2125.40BDA
- ▒ 09.2125.05BDA
- ■ 09.2125.14BDA

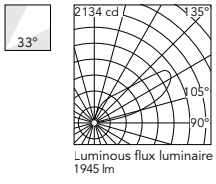


Luminous flux luminaire
1986 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	459 2.88
2	115 5.75
3	51 8.63
4	29 11.50
5	18 14.38

4000K
Non Dimmable
- ☐ 09.2127.40B
- ▒ 09.2127.05B
- ■ 09.2127.14B

Dali Version
- ☐ 09.2127.40BDA
- ▒ 09.2127.05BDA
- ■ 09.2127.14BDA



Luminous flux luminaire
1945 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	449 2.88
2	112 5.75
3	50 8.63
4	28 11.50
5	18 14.38

THIN LED

DESIGNED BY FLOS ARCHITECTURAL

LIGHT SOURCE
TOP LED
20W/m
24V
1822 lm/m
3000K/CRI 90

30 Weiss
30 White

29 Eloxiertes Aluminium
29 Anodized Aluminium

BZ Eloxiertes Bronze
BZ Anodized Bronze

Dies Modell wurde patentiert und eingetragen / Patented and registered model.

Produktbeschreibung
Wandleuchte für indirekte Beleuchtung.
Eloxiertes Aluminiumgehäuse mit integriertem optischem Reflektor aus hochreinem Aluminium. Besonders einfache Installation und extrem vielseitig. Die Platine besteht aus Verbindungsmodulen mit Doppelverbindern über Silberkontakte. So wirden eine sichere Stromversorgung gewährleistet und Schäden bei der Montage vermieden.
Die LEDs mit sehr geringem Abstand und einem 120°-Abstrahlwinkel sorgen gemeinsam mit dem Reflexionssystem für eine sehr hohe und ausgeglichene Beleuchtungsleistung. Ein patentiertes Beleuchtungssteuerungssystem garantiert eine sehr hohe Leuchtleistung mit optimierter und höchst angenehmer Lichtverteilung.

Betriebsgerät
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

Zusatzinformationen
LED-Module: 404 mm - 1201 mm - 1034 mm – 2040 mm - 2541 mm- 3042 mm.
Blindmodul: 1034 mm.
Max. Anschlusslänge: 3.044 mm.
Seitenabdeckung wird mitgeliefert.
Schutzgrad IP20.
Schutzklasse III.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Wall application luminaire for indirect lighting.
Anodised aluminium housing with internal super-pure optical aluminium reflector. Very easy to install and extremely versatile. The printed circuit is made of jointed modules with double connector through silver contacts. This ensure a safe power supply avoiding damages which could be caused during assembling phase.
The utilized LED, with a very tight pitch and a 120° emission, together with the reflection system, grant a very high and even lighting emission performance.
Thanks to a patented light emission control system, the light fitting performance is really high, with an optimized and very comfortable light distribution.

Power Supply
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

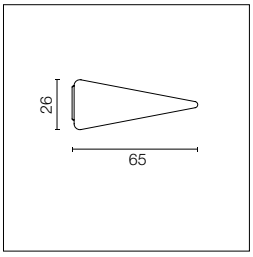
Additional Information
Led modules: 404 mm - 1201 mm - 1034 mm – 2040 mm - 2541 mm- 3042 mm.
Blind module: 1034 mm.
Max connection length 3044 mm.
Side covers included.
IP20 protection grade.
Classe d'isolation III.
Suitable for installation on normally inflammable surfaces.

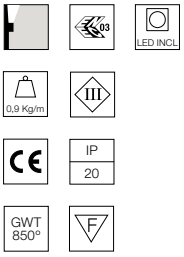
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Thin LED

Top LED 20W/m - 24V - 1822 lm/m - 3000K/CRI 90





Wandleuchte für LED indirekte Beleuchtung. Fern-Driver ist nicht eingeschlossen.

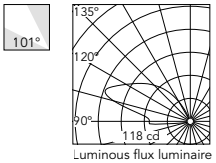
Wall application luminaire for indirect lighting with LED. Remote transformer not included.

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable	60.9705 (60W)	404/1034/1201/2040/2541mm
Non Dimmable	60.9777A (120W)	3042mm
Dimmable 1-10V	60.9681 (120W)	
Dim DALI	60.9880 (120W)	
Casambi	60.9683 (120W)	
Mains Dimming	60.9881 (60W)	404/1034/1201/2040/2541mm

* Siehe Treiberkapitel / Refer to the Drivers chapter

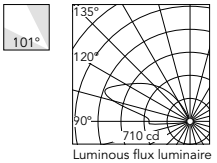
L: 404 mm
6,8W - 711 lm - 16 LEDs
09.0045.30B
09.0045.29B
09.0045.BZB



Luminous flux luminaire 621 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	118	6.46
2	30	12.92
3	13	19.38
4	7	25.84
5	5	32.30

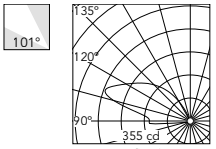
L: 2040 mm
41W - 4266 lm - 84 LEDs
09.0101.30B
09.0101.29B
09.0101.BZB



Luminous flux luminaire 3726 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	710	6.46
2	178	12.92
3	79	19.38
4	44	25.84
5	28	32.30

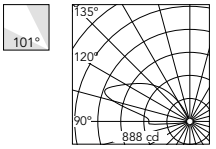
L: 1034 mm
20,5W - 2133 lm - 42 LEDs
09.0100.30B
09.0100.29B
09.0100.BZB



Luminous flux luminaire 1863 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	355	6.46
2	89	12.92
3	39	19.38
4	22	25.84
5	14	32.30

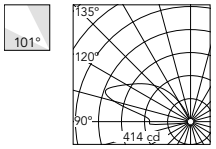
L: 2541 mm
47,8W - 5250 lm - 105 LEDs
09.0102.30B
09.0102.29B
09.0102.BZB



Luminous flux luminaire 4657 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	888	6.46
2	222	12.92
3	99	19.38
4	55	25.84
5	36	32.30

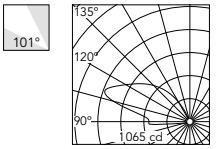
L: 1201 mm
23,9W - 2450 lm - 55 LEDs
09.0120.30B
09.0120.29B
09.0120.BZB



Luminous flux luminaire 2173 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	414	6.46
2	104	12.92
3	46	19.38
4	26	25.84
5	17	32.30

L: 3042 mm
61,5W - 6399 lm - 126 LEDs
09.0103.30B
09.0103.29B
09.0103.BZB



Luminous flux luminaire 5588 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	1065	6.46
2	266	12.92
3	118	19.38
4	67	25.84
5	43	32.30

L: 1034 mm BLIND*
09.0104.30A
09.0104.29A
09.0104.BZA

* Um gleichmäßige Profillinien zu erstellen / To create continuous profile lines.

G - O

DESIGNED BY JORGE HERRERA

LIGHT SOURCE
TOP LED
1,2W
96 lm
3000K/CRI 90

30 Mattweiss
30 White

29 Eloxiertes Aluminium
29 Anodized Aluminium

55 Inox
55 Stainless Steel

BZ Bronze
BZ Bronze

AN Eloxiertes Schwarz
AN Anodized Black

Lichtfarben
Light Colours

Weisses Licht
White Light

Amber Licht
Amber Light

Produktbeschreibung
Einbaulichtquelle für die Innenanwendung in allen Ausführungen außer Inox, welches auch zur Außenanwendung geeignet ist.
Erhältlich mit LED-Leuchte der neuesten Generation, um den unterschiedlichen Signalansprüchen an Durchgängen und auf Treppen gerecht zu werden. Dank integriertem Farbdiffusor in verschiedenen Beleuchtungsfarben verfügbar. Der Lichtquellenkörper besteht aus Aluminium, Edelstahl oder bearbeitetem Bronze.

Betriebsgerät
Netzgerät für Konstantstrom nicht im Lieferumfang enthalten, aber als Zubehör erhältlich.
Es ist möglich, bis zu 6 oder 15 G-O mit den empfohlenen Stromquellen zu installieren.

Zubehör
Verfügt über Einbauzubehör aus stranggepresstem Aluminium für Betonwände.

Zusatzinformationen
Schutzgrad IP65.
Schutzklasse III.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Embedded light fixture for indoor use in all its finishes, except stainless steel which is suitable for outdoor use.
Available with next-generation LED light source, suitable for responding to diverse signalling needs on pathways or stairways.
Available in different light shades, through coloured internal diffuser.
Light body made of aluminium, stainless steel or machined bronze.

Power Supply
Constant voltage power supply not included, available as an accessory.
Up to 6 or 15 G-O can be installed with the recommended power sources.

Accessories
With extruded aluminium accessories for embedding in concrete walls.

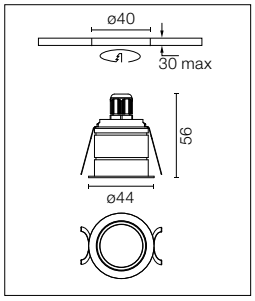
Additional Information
IP65 protection grade.
Insulation class III.
Suitable for installation on normally inflammable surfaces.

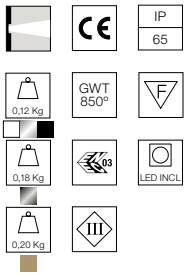
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

G-O

Top LED 1,2W - 24V - 96 lm - 3000K/CRI 90





Halb eingebaute Orientierungsleuchte für Innenräume an Decke oder Wand. Ohne Netzgerät. 1000 mm Netzkabel im Lieferumfang enthalten.

Semi recessed signalling lamp for indoor use on ceiling/wall. Power supply not included. 1000 mm power cable included.

Equipment für Fernmontage an zugänglicher Stelle: passt nicht durch die Einbauöffnung der Leuchte, außer bei 60.9157.

Equipment for remote installation in an accesible place: it does not fit through the recessing hole of the luminaire, except 60.9157.

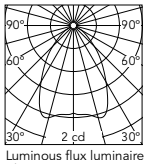
Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 110-240V	60.9157 (8W)
Non Dimmable 220-240V	60.8703 (25W)

* Siehe Treiberkapitel / Refer to the Drivers chapter

Weisses Licht/White Light

- 09.3200.30A
- 09.3200.29A
- 09.3200.55A
- 09.3200.BZA
- 09.3200.ANA



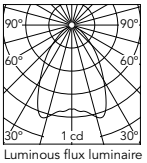
Luminous flux luminaire
4 lm

Beam Angle: 74°

h(m)	E(lx)	D(m)
1	2	1.51
2	1	3.03
3	0	4.54
4	0	6.06
5	0	7.57

Amber Licht/Amber Light

- 09.3201.30A
- 09.3201.29A
- 09.3201.55A
- 09.3201.BZA
- 09.3201.ANA



Luminous flux luminaire
2 lm

Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1	1.46
2	0	2.92
3	0	4.38
4	0	5.85
5	0	7.31

Zubehör / Accessories

Element aus eloxiertem aluminium für den Einbau im Freien.

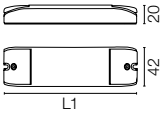
Housing for recessed installation made in anodized aluminium for outdoor installation.

08.8422.00

Steuereinheit / Control Units

Steuereinheit für Dimmung; 1-Kanal-Steuerung für 24V-LED-Module; Netzgerät nicht inbegriffen. Max. 120W - 5A.

Dimmable control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.



1-10V
60.8640
L1: 172

DALI
60.9766
L1: 181

THEBLOCKOFLIGHT

DESIGNED BY KNUD HOLSCHER

LIGHT SOURCE
POWER LED
2,2W
154 lm
3000K/CRI 80

☐ 01 Mattweiss
01 Matte White

72 Grau
72 Grey

■ 04 Mattschwarz
04 Matte Black

Produktbeschreibung
Einbaulichtquelle für die Innen- und Außenanwendung (Schutzklasse IP65). Erhältlich mit LED-Leuchte der neuesten Generation, um den unterschiedlichen Signalansprüchen an Durchgängen oder auf Treppen gerecht zu werden.
Aluminiumblende in mattem Weiß, Grau oder mattem Schwarz.

Betriebsgerät
Inklusive nicht regulierbares Netzgerät: Konstantstrom 700 mA, 100/240V, 50/60Hz.

Zubehör
Verfügt über Einbauzubehör aus verzinktem Stahl für Betonwände.

Zusatzinformationen
Schutzgrad IP65.
Schutzklasse I.
Auf normal entflammbaren Oberflächen einsetzbar.

Bevor Sie Ihre Bestellung aufgeben, lesen Sie bitte die Produktinformationen auch auf der Firmenwebsite von Flos, auf dem technischen Datenblatt sowie in den Installations- und Montageanleitungen, um alle Informationen im Detail zu erfahren, die für Ihr spezifisches Projekt oder die Montage relevant und möglicherweise nicht in diesem Katalog enthalten sind.

Qualitätszeichen
Das Gerät entspricht der europäischen technischen Norm EN60598-1 und den entsprechenden Zusatzregelungen.

Description
Embedded light fixture designed for indoor or outdoor use (IP65 protection grade). Available with next-generation LED light source in response to diverse signalling needs on pathways or stairways.
Front made of aluminium with finish in matte white, grey or matte black.

Power Supply
Built-in, non-regulable constant current power supply of 100/240V, 50/60Hz. 700 mA current.

Accessories
Has galvanised steel accessories for embedding in concrete walls.

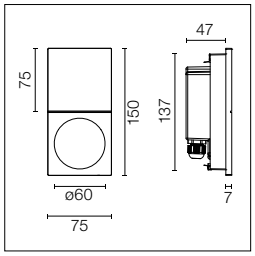
Additional Information
IP65 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.

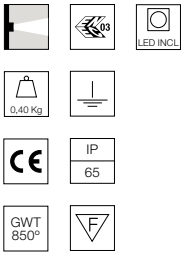
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

TheBlockofLight

Power LED 2,2W - 154 lm - 3000K/CRI 80

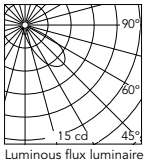




Halb eingebaute Orientierungsleuchte für Innen oder Außen. Nicht regulierbares Netzgerät mit 100-240 V, 50-60 Hz im Lieferumfang enthalten. Netzkabel mit 500 mm wird mitgeliefert.

Semi-recessed signalling lamp for indoor or outdoor use. Non-regulable 100-240V, 50-60Hz power supply and 500 mm power cable included.

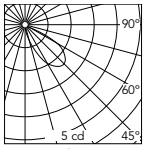
☐ 09.3310.01C



Luminous flux luminaire
85 lm

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	15	1.79
2	4	3.58
3	2	5.37
4	1	7.16
5	1	8.95

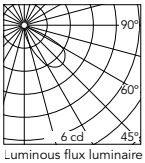
■ 09.3310.04C



Luminous flux luminaire
40 lm

Beam Angle:		41°
h(m)	E(lx)	D(m)
1	5	1.64
2	1	3.28
3	1	4.92
4	0	6.55
5	0	8.19

■ 09.3310.72C



Luminous flux luminaire
50 lm

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	6	1.85
2	2	3.70
3	1	5.55
4	0	7.40
5	0	9.25

Zubehör / Accessories

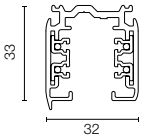
Hülse für den Einbau in Zement. Can for embedding in concrete.

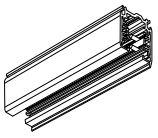
08.8423.00

Phasen-Stromschienen
GLOBAL TRACK bietet viele Vorzüge für fortgeschrittene Installationen: die Verbindungselemente können elektrisch eingespeist werden und das Stromkabel unter den eleganten Zubehöraufhängungen verborgen werden. GLOBAL TRACK Beleuchtungsschienen werden für die einfache Montage an Decke und Wand oder den Einbau an Zwischendecken konzipiert. Die Schienen können in der entsprechend gewünschten Höhe angebracht werden. Weitere Vorteile des 3-phasen-Systems sind die hohen Leistungsaufnahmen und die Möglichkeit, für alle drei Phasen voneinander unabhängige Montagegruppen zu installieren. Dies erlaubt die Beleuchtung auch der anspruchsvollsten Ambientes.

Three Phase Track
GLOBAL TRACK offers benefits for advanced installations: the main connectors are feedable and the feeding cable can be hidden under the elegant suspension accessories. GLOBAL TRACK lighting tracks are designed for easy surface mounting on ceilings and walls, or recessed mounting in suspended ceilings. Lighting tracks can be suspended at any desired height. Other advantages of the three-circuit system are its high loading capacity and the possibility of forming independent fixture groups in all three circuits. This permits illumination of the most demanding environments.

Surface





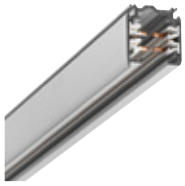
1000 mm
- 60.3101.11
- 60.3101.29
- 60.3101.14

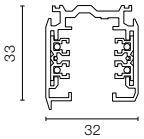
Dali Version
- 60.3101.11ADA
- 60.3101.29ADA
- 60.3101.14ADA

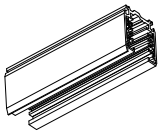
2000 mm
- 60.3102.11
- 60.3102.29
- 60.3102.14

Dali Version
- 60.3102.11ADA
- 60.3102.29ADA
- 60.3102.14ADA

Surface Dali





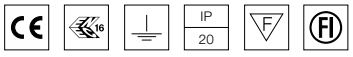


3000 mm
- 60.3103.11
- 60.3103.29
- 60.3103.14

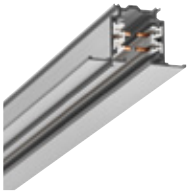
Dali Version
- 60.3103.11ADA
- 60.3103.29ADA
- 60.3103.14ADA

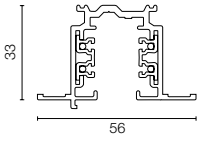
4000 mm
- 60.3104.11
- 60.3104.29
- 60.3104.14

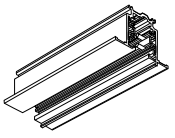
Dali Version
- 60.3104.11ADA
- 60.3104.29ADA



Recessed







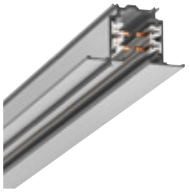
1000 mm
- 60.3810.11
- 60.3810.29
- 60.3810.14

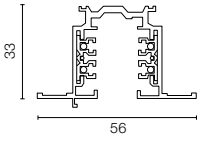
Dali Version
- 60.3810.11ADA
- 60.3810.29ADA
- 60.3810.14ADA

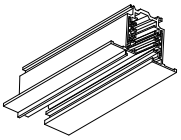
2000 mm
- 60.3820.11
- 60.3820.29
- 60.3820.14

Dali Version
- 60.3820.11ADA
- 60.3820.29ADA
- 60.3820.14ADA

Recessed Dali

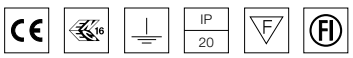






3000 mm
- 60.3830.11
- 60.3830.29
- 60.3830.14

Dali Version
- 60.3830.11ADA
- 60.3830.29ADA
- 60.3830.14ADA



Feste Stangen, um das Verformen der Profile (bei geraden Strukturen ohne Winkel) zu verhindern bzw. für Installationen, bei denen ein stabileres Befestigungssystem erforderlich ist.
Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required.

Abhängestab mit Baldachin 1000 mm. Gewinde m6.

Suspension rod with 1000 mm rose. m6 thread.

- 60.3014.11
- 60.3014.14

Verlängerung Abhängestab 1000 mm. Gewinde M6.

1000 mm suspension rod extension set m6 thread.

- 60.3097.11**
- 60.3097.14**

Fijación a carril para cable de acero con terminal roscado M6.

Attachment on track for steel cable suspension with M6 thread end

- 60.3008.11
- 60.3008.14

Deckenhalterung mit Baldachin.

Ceiling fitting with rose.

- 60.3094.11
- 60.3094.14

Befestigungspunkt an der Schiene zur Stababhängung Gewinde m6.

Attachment on track for rod suspension m6 thread.

- 60.3018.11
- 60.3018.14

** Stahlkabel empfohlen, wenn die Struktur durch ihre Abmessungen ausgeglichen und stabil ist und eine oder mehrere Ecken aufweist, da bei diesen Strukturen die Schiene nicht kippt, obwohl das Gewicht der Leuchten nicht ausgeglichen ist.
** A steel cable is recommended if the structure, because of its dimensions, is stable and includes one or more angles, since in these structures the track does not tilt even if the weight of the luminaries is not balanced.

Abhängeseil mit Bleigewicht ohne Baldachin und Deckenhalterung.

Lead-weighted wire without rose and ceiling fitting.

1500 mm
- 60.3095.29

3000 mm
- 60.3096.29

Befestigungsbügel der Schiene an Decke/Wand oder zur Seilabhängung mit Bleigewicht.

Bracket for track fixing wall/ceiling or suspension with lead-weighted wire.

- 60.3025.11
- 60.3025.14
- 60.3025.29

Befestigungsbügel Schiene an Decke Oder Wand.

Bracket for fixing track to wall or ceiling.

- 60.3093.29

Befestigungspunkt an der Schiene zur Seilabhängung.

Attachment on track for wire suspension.

- 60.3057.11
- 60.3057.29

Komplette Wandhalterung Ausleger 70mm.

Complete wall support 70mm.

- 60.3083.29

Schienenabdeckung L 2000mm.

Track cover strip L 2000mm.

- 60.3090.11A
- 60.3090.14A

Abdeckbaldachin Stromversorgung.

Power supply rose cover.

- 60.3092.11

Abdeckung für Einspeisung Einbauschiene.

Cover for power supply connectors recessed track.

- 60.3053.11
- 60.3053.14

Dali Version
- 60.3145.11
- 60.3145.14

Abdeckung Kreuzverbinder Einbauschiene.

Cover for connectors.

- 60.3091.11
- 60.3091.14

Dali Version
- 60.3146.11
- 60.3146.14

* Endeinspeisung Rechts.

Live end right.

- 60.3038.11
- 60.3038.14
- 60.3038.12

Dali Version
- 60.3038.11ADA
- 60.3038.14ADA
- 60.3038.12ADA

* Endeinspeisung Links.

Live end left.

- 60.3039.11
- 60.3039.14
- 60.3039.12

Dali Version
- 60.3039.11ADA
- 60.3039.14ADA
- 60.3039.12ADA

* Einspeisung möglich / Feeding possible.

Linearverbinder.

Straght connector.

60.3044.11
60.3044.14
60.3044.12
Dali Version
60.3044.11ADA
60.3044.14ADA
60.3044.12ADA

---

* Linearverbinder mit Einspeisungsmöglichkeit.

Mean connector.

60.3043.11
60.3043.14
60.3043.29
Dali Version
60.3043.11ADA
60.3043.14ADA
60.3043.29ADA

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* Eckverbinder 90°.

Connector 90°.

Innen/Inside
60.3029.11
60.3029.14
60.3029.29
Dali Version
60.3029.11ADA
60.3029.14ADA
60.3029.29ADA

Aussen/Outside
60.3028.11
60.3028.14
60.3028.29
Dali Version
60.3028.11ADA
60.3028.14ADA
60.3028.29ADA

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* T-Verbinder Innen.

Connector T - inside.

Rechts/Right
60.3047.11
60.3047.14
60.3047.29
Dali Version
60.3047.11ADA
60.3047.14ADA
60.3047.29ADA

Links/Left
60.3048.11
60.3048.14
60.3048.29
Dali Version
60.3048.11ADA
60.3048.14ADA
60.3048.29ADA

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* T-Verbinder Aussen.

Conector T - outside.

Rechts/Right
60.3049.11
60.3049.14
60.3049.29
Links/Left
60.3049.11ADA
60.3049.14ADA
60.3049.29ADA

Dali Version
60.3051.11
60.3051.14
60.3051.29
Dali Version
60.3051.11ADA
60.3051.14ADA
60.3051.29ADA

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* Kreuzverbinder.

Cross coupling.

60.3036.11
60.3036.14
60.3036.29
Dali Version
60.3036.11ADA
60.3036.14ADA
60.3036.29ADA

Endkappe.

Blind end.

60.3016.11
60.3016.14
60.3016.12

DALI Flexibler Verbinder.

DALI flexible couple.

60.3037.11
60.3037.14
60.3037.29
Dali Version
60.3037.11ADA
60.3037.14ADA
60.3037.29ADA

Gelenkverbinder.

Corner adjustable connector.

60.3046.11
60.3046.14
60.3046.29

Einbaugehäuse für Einspeisungspunkt.

Recessed box for fix-point.

60.3022.11
60.3022.14

Einspeisungspunkt an der Decke.

Fix-point.

60.3023.11
60.3023.14
60.3023.29

Biegewerkzeug.

Lead bending key.

60.3054

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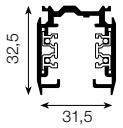
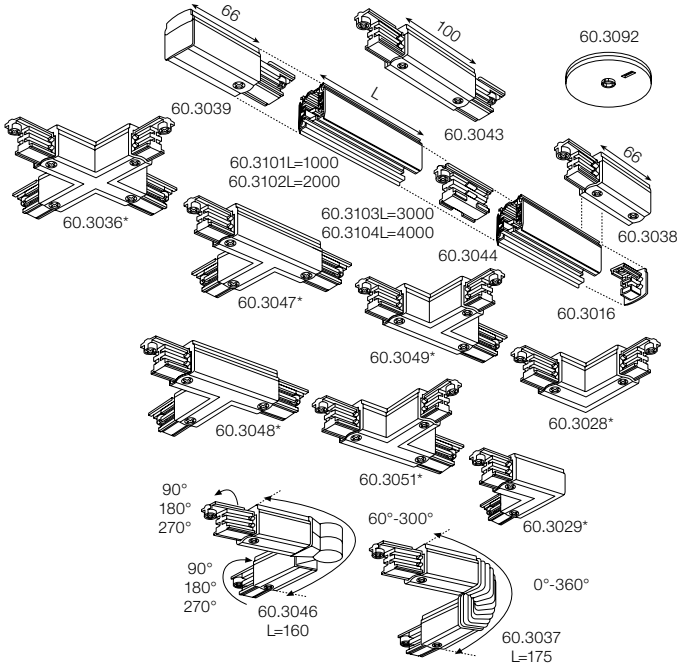
* Einspeisung möglich / Feeding possible.

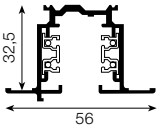
Montageanleitungen der 3-Phasen-Schienen / Installation Instructions for the Three-Phase Tracks (3P+N+PE) Un400V, In 16A, 50Hz, Klasse I, IP 20



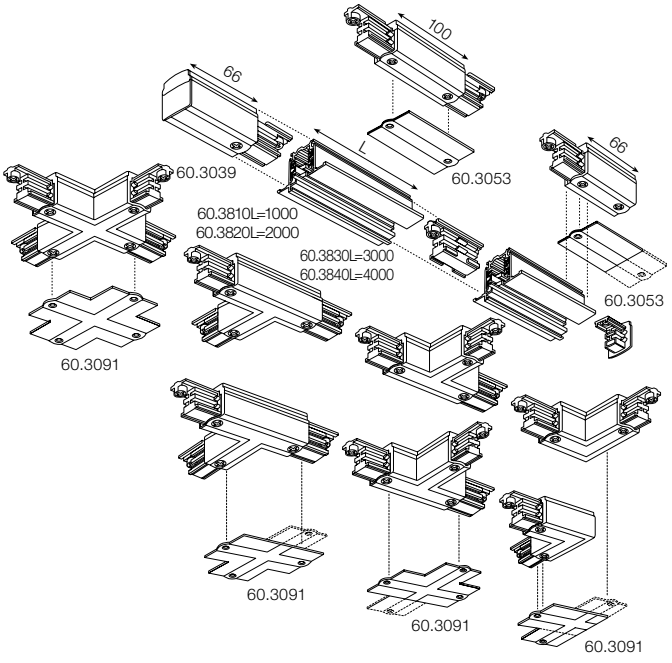
Die Position des Nulleiters ist mit der breiten Linie angezeigt.
The position of the neutral lead is shown by the thick line.



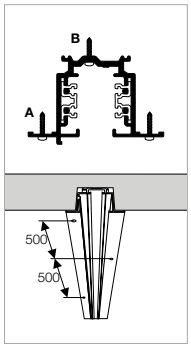
*Kann als Versorgungspunkt dienen / Can be used as a power supply point



Die Position des Nulleiters ist mit der breiten Linie angezeigt.
The position of the neutral lead is shown by the thick line.



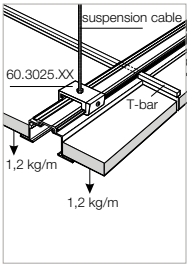
Montage in einer Nut in der Decke
Mounting in a groove in the ceiling



- schienen können durch die Flansche (A) oder durch den Schienenboden (B) befestigt werden.
- manner A: mit Schrauben Ø 3,0 - 4,5 im Abstand von 500mm.
- manner B: mit Flachkopfschrauben Ø 3,0, Stützabstand 1000mm-max. Belastung 20 kg / m.

- tracks can be fixed through the flanges (A) or through the track bottom (B).
- manner A: with screws Ø 3,0 - 4,5, at distance of 500mm.
- manner B: with flat head screws Ø 3,0, supporting distance 1000mm-max. load 20 kg/m.

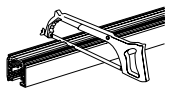
Montage in abgehängten Decken
Mounting in suspended ceilings



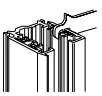
- mit Klemmen 60.3025.XX.
- die Deckenplattenstruktur muss leicht zu demontieren sein, die Platten und die Schienen sind nicht aneinander befestigt.
- hängend bei max. 1000mm Abstand.
- plattenbelastung max. 1,2 kg / m pro Spurkranz.
- andere Formschienenaufhängelast max. 10 kg / hängender Abstand.

- with clamps 60.3025.XX.
- the ceiling plate structure must be easy to demount, the plates and the tracks are not fixed onto each others.
- hanging at max. 1000mm distance.
- plate load max. 1,2 kg/m per track flange.
- track hanging load max. 10 kg / hanging distance.

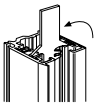
Zuschnitt der Beleuchtungsschienen / Cutting Track



1 . Zuschnitt der schiene
1 . Cutting the track

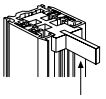


2 . Positionierung des Biegewerkzeuges in der schiene
2 . Positioning bending key in the track



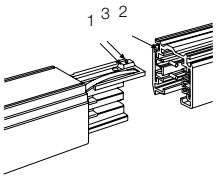
3 . Biegen der kabel
3 . Lead bending

4 . Gebogene kabel
4 . Bent leads

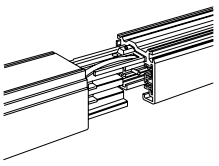


5 . Gebogene kabel kontrolle
5 . Bent leads control

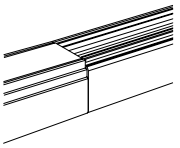
Anbringung der Verbinder / Connector Installation



1 . Führungsfeder
1 . Guide flap

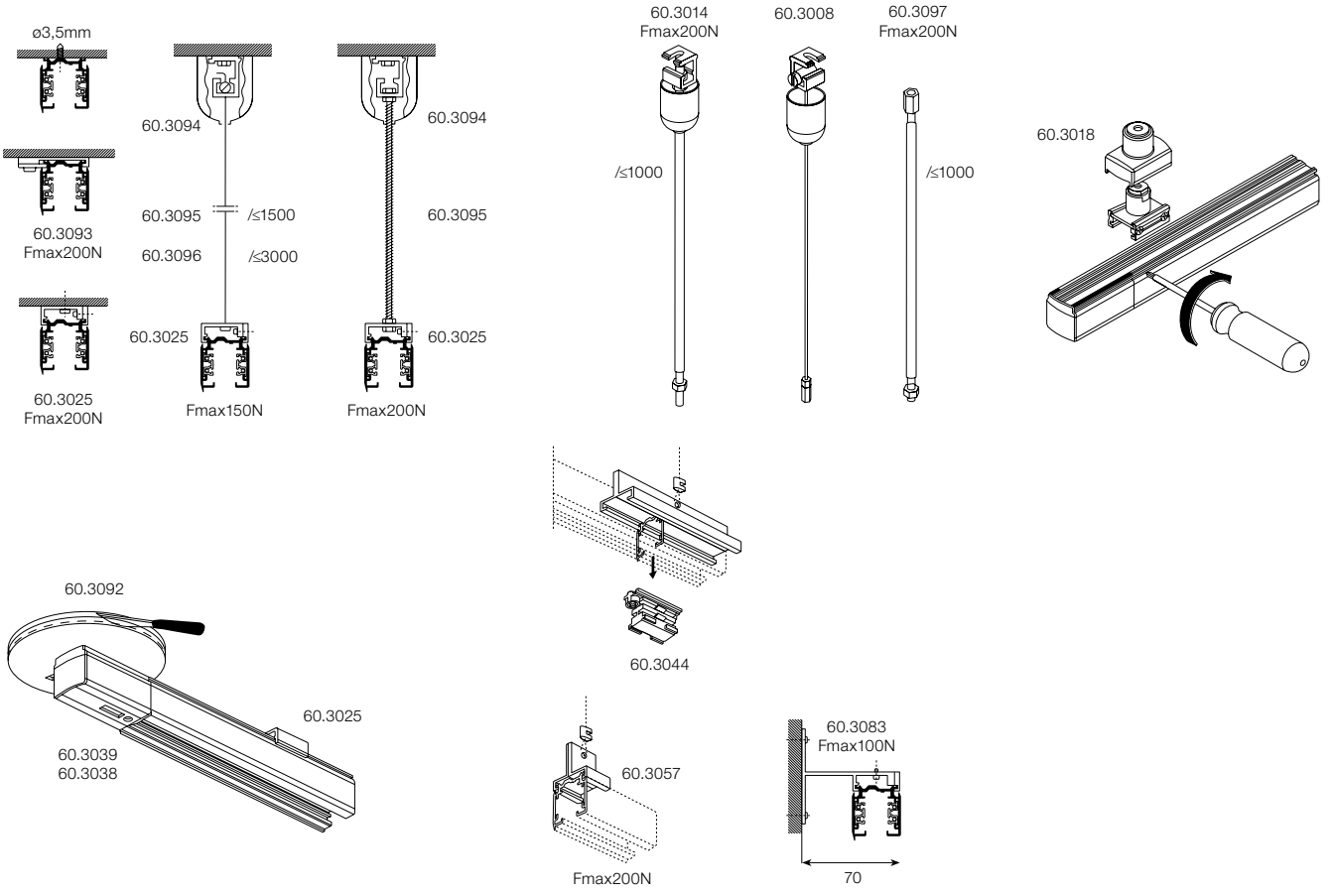


2 . Kanal
2 . Canal



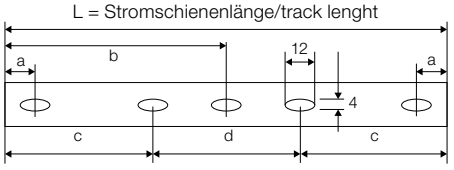
3 . Druckraster
3 . Pressure fixing

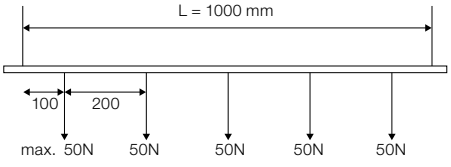
Schienenbefestigung und Tragfähigkeit der Befestigung / Fixing the Track and Load Capacity

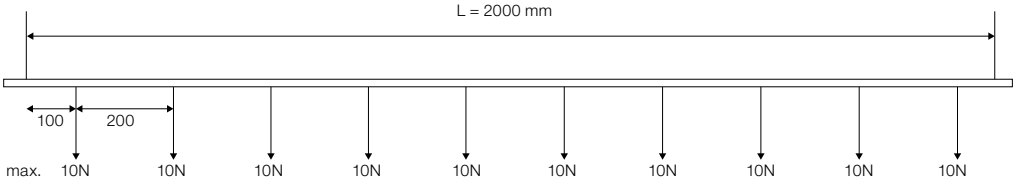


Befestigungsabstand und Belastbarkeit
Empfohlener Verankerungsabstand L=1000mm.
Die Schienen sind mit vorgebohrten Befestigungslöchern versehen.

Fastening Distance and Loading Capacity
Recommended fastening distance L=1000mm.
The tracks have fastening holes.





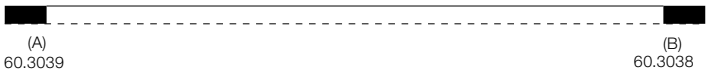


L mm	a mm	b mm	c mm	d mm
1000	250			
2000	250	1000		
3000	250		1000	1000
4000	250		1500	1000

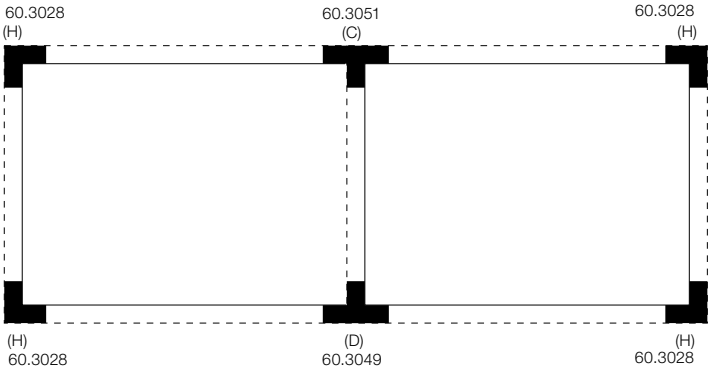
Anmerkungen zur Montage
Bei der Montage der Schiene ist zunächst zu bestimmen, auf welcher Seite die Erde liegen soll. Demnach sind die jeweiligen Zubehöre zu benutzen. In den folgenden Abbildungen zeigt die gestrichelte Linie die Position der Erdung an.
Abbildung 1. Längeder Schiene 1 Meter mit Stromanschluss (A) und entsprechender Buchse (B).
Auf Abbildung 2 werden zwei unterschiedliche Anwendungen dargestellt. Die Erdung kann innerhalb oder ausserhalb vorgenommen werden. Es können (C) & (D) oder (E) & (F) verwendet werden.
Wenn die Erdung ausserhalb vorgenommen wird- dies wäre der erste Fall- so werden die Anschlüsse (C) mit (D) denutzt. Die Anschlüsse L sind dann für jede Ecke dieselben, also (H).
Wenn die Erdung innerhalb vorgenommen wird- was der zweite Fall wäre- so werden die Anschlüsse (E) mit (F). Der Anschluss L wäre in diesem Fall (I).

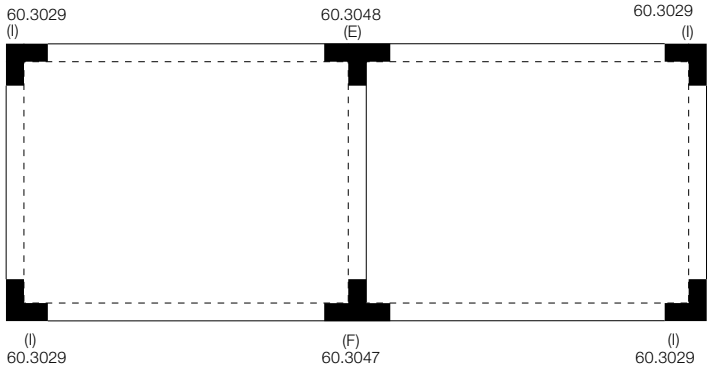
Planning Information
When you install the track, you have to choose on which side you wish to have the ridge. The ridge will tell you which accessories to use with. Have a look at the following figures where the dotted line indicates the ridge on the track.
If you have only one track, you can choose on which side you connect it and use the corresponding parts.
Figure 1. Track of length 1 mt. with end feed (A) and its mirror image (B).
Figure 2. Shows two different cases. You will notice that the ridge can be either inside or outside the installation system. You can use respectively either (C) & (D) or (E) & (F).
If the ridge is outside, first case, you have to use the T connector (C) with its miror image (D). The L connectors are then the same for each corner, (H). Inversely, if you have the ridge inside, second case, you will have to use the T connector (E) with its miror image (F). The corresponding L connector is in this case (I).

1.

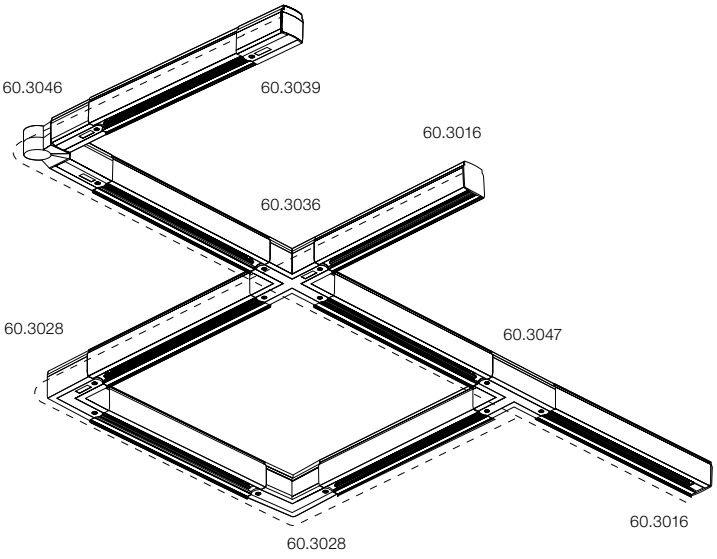


2.

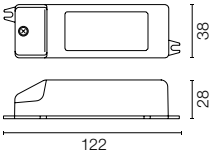
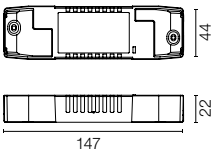
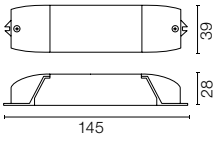
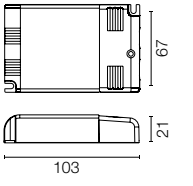
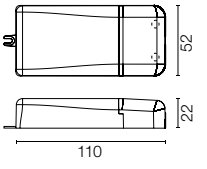
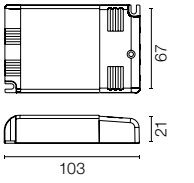
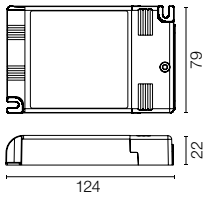




Beispiel / Example



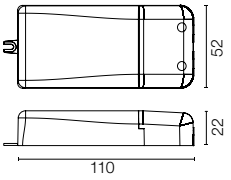
Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Nicht regulierbares Konstantstrom-Netzgerät. 110/240V.	Non dimmable continuous current power supply. 110/240V.			17W / 700 mA *60.8655 20W / 500 mA *60.8650 22W / 1050 mA *60.8670 *110V – 12W
Nicht regulierbares Konstantstrom-Netzgerät mit 15-30W, 220/240V -50/60Hz mit wählbarer Stromversorgung über Schalter 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W.	Non dimmable continuous current power supply. 15-30W, 220/240V -50/60Hz with power current selected through adjustable switch. 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W.			60.9592
Nicht regulierbares Konstantstrom-Netzgerät mit 25W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 350mA - 12W / 500mA - 15W /700 mA - 25W.	Non dimmable continuous current power supply of 25W, 110/240V - 50/60Hz with power current selected through adjustable 350mA - 12W / 500mA - 15W /700 mA - 25W switch.			60.8437 110V – max 18W
Nicht regulierbares Konstantstrom-Netzgerät mit 110/240V 32W, mit wählbarer Stromversorgung über Schalter 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W.	Non dimmable continuous current power supply of 110/240V 32W, with power current selected through adjustable 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W. switch.			60.9233 110V – max 15W
Nicht regulierbares Konstantstrom-Netzgerät mit 15-20W, 110*/240V - 50/60Hz, mit wählbarer Stromversorgung über Schalter 350 mA-15W /500 mA/ /550 / 700 / 850 mA / 900 mA - 20W.	Non dimmable continuous current power supply of 15-20W, 110/240V - 50/60Hz, with power current selected through adjustable 350 mA-15W /500 mA/ /550 / 700 / 850 mA / 900 mA - 20W switch.			60.8911 110V – max 15W
Konstantstrom-Netzgerät mit 25W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W regulierbar. 1-10V oder Druckdimmer, erfordert nicht mitgelieferte Steuerkabel.	Continuous current power supply of 25W, 110/240V - 50/60Hz with power current selected through adjustable 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W switch. 1-10V or push dimming, synchronisation cables not included.			60.8533 110V – max 15W
Konstantstrom-Netzgerät mit 25-50W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W regulierbar. Dali 2, 0/1-10V oder Druckdimmer, erfordert nicht mitgelieferte Steuerkabel.	Continuous current power supply of 25-50W, 110/240V - 50/60Hz with power current selected through adjustable 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W switch. Dali 2, 0/1-10V or push dimming, synchronisation cables not included.			60.8530 110V – max 40W

Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Konstantstrom-Netzgerät mit 13-20W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650/700/750/800/850/900 mA.

Continuous current power supply of 13-20W, 110/240V - 50/60Hz with power current selected through adjustable 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650/700/750/800/850/900 mA.

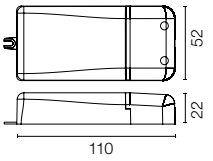


60.9188

110V – max 15W

Konstantstrom-Netzgerät mit 12-20W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 250mA -12W / 350mA - 17W / 400mA - 19W / 450 / 550 / 600 / 700mA - 20W regulierbar Dali 1 und Dali 2.

Continuous current power supply of12-20W, 110/240V - 50/60Hz with-power current selected through adjustable 250mA -12W / 350mA - 17W / 400mA - 19W / 450 / 500 / 550 / 600 / 700mA - 20W dimmable Dali 1 and Dali 2.

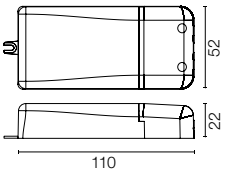


60.9222

110V – max 15W

Konstantstrom-Netzgerät mit 10-20W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 250 mA - 12W /350 mA - 17W /400 mA - 19W /450/500/550/600/700 mA - 20W, regulierbar per Dali 2. Max 15W.

Continuous current power supply of 10-20W, 110/240V - 50/60Hz with power current selected through adjustable 250 mA - 12W /350 mA - 17W /400 mA - 19W /450/500/550/600/700 mA - 20W, Dali 2 switch. Max 15W.

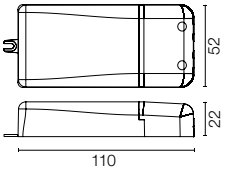


60.9746

110V – max 15W

Konstantstrom-Netzgerät mit 13-20W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 250 mA - 13W / 350 mA - 18W /400/450/500/550/600/700/800/900 mA - 20W, regulierbar 1-10V oder Druckdimmer.

Continuous current power supply of 13-20W, 110/240V - 50/60Hz with power current selected through adjustable 250 mA - 13W / 350 mA - 18W /400/450/500/550/600/700/800/900 mA - 20W, 1-10V or push dimming.

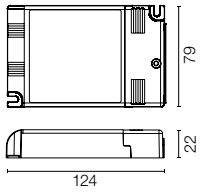


60.9208

110V – max 15W

Konstantstrom-Netzgerät mit 20-40W, 110/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 350 mA -18,5W / 400 mA - 21W / 500 mA - 26,5W / 600 mA - 31,5W /650 mA -34,5W /700 mA -37W /750 mA - 39,5W /800/850/900/950/1000/1050/1200 mA - 40W, regulierbar. Dali 2, 0/1-10V oder Druckdimmer, erfordert nicht mitgelieferte Steuerkabel. Im Fall einer Drucksteuerung muss das folgende Synchronisationskabel verwendet werden: 60.1665.

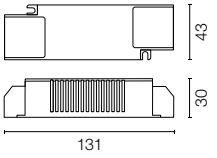
Continuous current power supply of 20-40W, 110/240V - 50/60Hz with power current selected through adjustable 350 mA -18,5W / 400 mA - 21W / 500 mA - 26,5W / 600 mA - 31,5W /650 mA -34,5W /700 mA -37W /750 mA - 39,5W /800/850/900/950/1000/1050/1200 mA - 40W switch. Dali 2, 0/1-10V or push dimming, synchronisation cables not included.
In the case of push control the following sync cable must be used: 60.1665.



60.9276

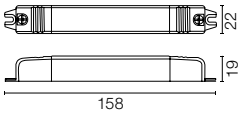
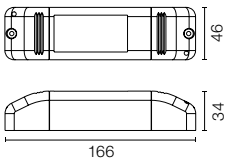
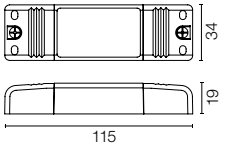
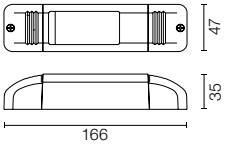
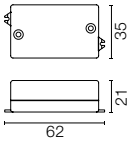
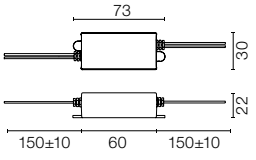
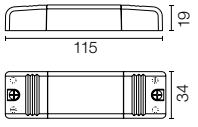
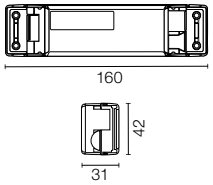
Nicht dimmbare Dauerstromversorgung von 220/240V - 50/60Hz mit Leistungsstrom, der über einen Schalter mit 300mA - 14.4W / 350mA - 16.8W / 400mA - 19.2W / 450mA - 21.6W / 500mA - 24W / 550mA - 26.4W / 600mA - 31.2W / 650mA - 31.2W / 700mA - 33.6W / 750mA - 36W / 800mA - 38.4W / 850mA - 35.7W / 900mA - 37.8W / 950mA - 39.9W / 1000mA - 42W / 1050mA - 42W einstellbar ist.

Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch. 300mA - 14.4W / 350mA - 16.8W / 400mA - 19.2W / 450mA - 21.6W / 500mA - 24W / 550mA - 26.4W / 600mA - 31.2W / 650mA - 31.2W / 700mA - 33.6W / 750mA - 36W / 800mA - 38.4W / 850mA - 35.7W / 900mA - 37.8W / 950mA - 39.9W / 1000mA - 42W / 1050mA - 42W.

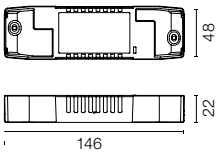
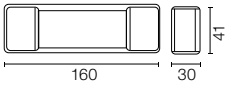
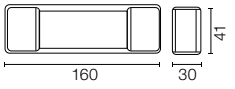
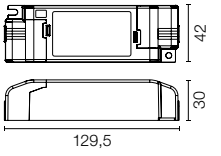
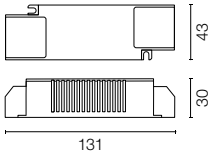
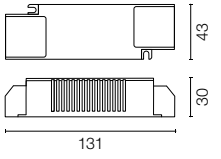
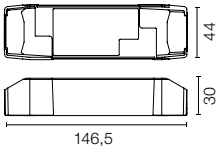


60.7677

Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Konstantstrom-Netzgerät 6W, 100V / 14W, 240V - 50/60Hz mit Stromzufuhr 500 mA.	Continuous current power supply of 6W, 100V / 14W, 240V - 50/60Hz with 500 mA supply voltage.			60.8880
Konstantstrom-Netzgerät mit 7,2-24W, 220/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 150 mA - 7,2W /200 mA - 9,5W /250 mA - 12W /300 mA -14,5W /350 mA -17W/400 mA - 19,5W /450 mA -21,5W /500 mA - 24W regulierbar. Mains oder Druckdimmer. Im Fall einer Drucksteuerung muss das folgende Synchronisationskabel verwendet werden: 60.1665.	Continuous current power supply of 7,2-24W, 220/240V - 50/60Hz with power current selected through adjustable 150 mA - 7,2W /200 mA - 9,5W /250 mA - 12W /300 mA -14,5W /350 mA -17W/400 mA - 19,5W /450 mA -21,5W /500 mA - 24W switch. Mains or push dimming. In the case of push control the following sync cable must be used: 60.1665.			60.9421
Konstantstrom-Netzgerät 10W, 110V / 12W, 240V - 50/60Hz mit Stromzufuhr 700 mA.	Continuous current power supply of 10W, 110V / 12W, 240V - 50/60Hz with 700 mA supply voltage.			60.8529A
Konstantstrom-Netzgerät mit 32W, 230/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W, regulierbar über Dimmer, Mains Dimmer oder Druckdimmer an Profilhinterkante bzw. Profilvorderkante.	Continuous current power supply of 32W, 230/240V - 50/60Hz with power current selected through adjustable 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W switch by trailing and leading edge dimming (mains dimming), or push dimming.			60.8534
Elektronischer Transformator für LED mit beständiger Spannung (24V). 8W, 220/240V, 50/60Hz.	Electronic transformer with constant voltage (24V) for LED. 8W, 220/240V, 50/60Hz.			60.8079
Elektronischer Transformator für LED mit beständiger Spannung (24V). 8W, 110/240V, 50/60Hz.	Electronic transformer with constant voltage (24V) for LED. 8W, 110/240V, 50/60Hz.			60.9157
Konstantstrom-Netzgerät 10W, 100-240V - 50/60Hz mit nicht regulierbarer Stromzufuhr 250 mA.	Constant voltage supply source of 10W, 100-240V - 50/60Hz with non adjustable 250 mA supply voltage.			60.9744
Konstantstrom-Netzgerät 20W, 220-240V - 50/60Hz mit regulierbarer Stromzufuhr 250 mA.	Constant voltage supply source of 20W, 220-240V - 50/60Hz with adjustable 250 mA supply voltage.			0-10V 60.9405 Dali 60.9601

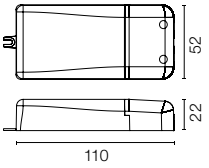
Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Nicht dimmbare Dauerstromversorgung von 220/240V - 50/60Hz mit Leistungsstrom, der über einen Schalter mit 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W einstellbar ist.	Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.			60.9160
Konstantstrom-Netzgerät 0-10V-Dimmung, 220/240V - 50/60Hz, 200mA - 20W.	Continuous current power supply, 0-10V dimmable, 220/240V - 50/60Hz, 200mA - 20W.			60.9483
Konstantstrom-Netzgerät Dali 2-Dimmung, 220/240V - 50/60Hz, 200mA - 20W.	Continuous current power supply, dimmable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.			60.9604
Konstantstrom-Netzgerät 0/1-10V-Dimmung, 220/240V - 50/60Hz, 300 mA - 16W / 350 mA - 18W / 400 mA - 21W / 500 mA - 27W / 600 mA - 32W / 650 mA - 35W /700/750/800/900/1000/1050 mA - 36W.	Continuous current power supply, 0/1-10V dimmable, 220/240V - 50/60Hz, 300 mA - 16W / 350 mA - 18W / 400 mA - 21W / 500 mA - 27W / 600 mA - 32W / 650 mA - 35W /700/750/800/900/1000/1050 mA - 36W.			60.9439
Konstantstrom-Netzgerät mit 220/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter. regulierbar. Dali 1, Dali 2, Push. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 500mA - 26W / 600mA - 31.2W / 700mA - 36.4W / 750mA - 39W / 800mA - 41.6W / 850mA - 41.6W / 900mA - 41.4W / 950mA - 41.8W / 1000mA - 42W / 1050mA - 42W.	Continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable switch. Dali 1, Dali 2, Push dimming. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 500mA - 26W / 600mA - 31.2W / 700mA - 36.4W / 750mA - 39W / 800mA - 41.6W / 850mA - 41.6W / 900mA - 41.4W / 950mA - 41.8W / 1000mA - 42W / 1050mA - 42W.			60.7678
Konstantstrom-Netzgerät mit 220/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter. regulierbar. Dali 1, Dali 2, Push. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 450mA - 23.4W / 500mA - 26W / 550mA - 26.1W / 600mA - 26.1W / 650mA - 26W / 700mA - 26.3W.	Continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable switch. Dali 1, Dali 2, Push dimming. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 450mA - 23.4W / 500mA - 26W / 550mA - 26.1W / 600mA - 26.1W / 650mA - 26W / 700mA - 26.3W.			60.7709
Konstantstrom-Netzgerät Casambi-Dimmung, 220/240V - 50/60Hz, 300mA - 16W / 350mA - 18,5W / 400mA - 21,5W / 450 mA - 24W / 500mA - 27W / 600mA - 32W / 650 mA - 35W /700 mA - 36W /750/800/900/1000/1050/1200 mA - 38W.	Continuous current power supply, dimmable Casambi, 220/240V - 50/60Hz, 300mA - 16W / 350mA - 18,5W / 400mA - 21,5W / 450 mA - 24W / 500mA - 27W / 600mA - 32W / 650 mA - 35W / 700 mA - 36W /750/800/900/1000/1050/ 1200 mA - 38W.			60.9207

Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Konstantstromquelle 20 W, dimmbar über trailing & leading edge dimming (mains dimming) mit AC-Spannung, 220/240 V - 50/60 Hz, Stromfluss programmierbar über DIP-Switch. Ausgangsstrom: 900mA - 20W / 850mA - 20W / 800mA - 20W / 750mA - 20W / 700mA - 20W / 650mA - 20W / 600mA - 20W / 550mA - 20W / 500mA - 20W / 450mA - 20W / 400mA - 19W / 350mA - 17W / 300mA - 14W / 250mA - 12W

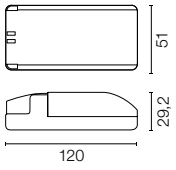
20W Constant current power supply, AC phase-cut adjustable, trailing & leading edge dimming (mains dimming), 220/240V - 50/60Hz, with dip-switch programmable power supply current. Output current: 900mA - 20W / 850mA - 20W / 800mA - 20W / 750mA - 20W / 700mA - 20W / 650mA - 20W / 600mA - 20W / 550mA - 20W / 500mA - 20W / 450mA - 20W / 400mA - 19W / 350mA - 17W / 300mA - 14W / 250mA - 12W



60.9467

Konstantstrom-Netzgerät mit 20W, 220/240V - 50/60Hz mit wählbarer Stromversorgung über NFC. Nicht Dimmable.
Ausgangsstrom: (Ta>45ºC).

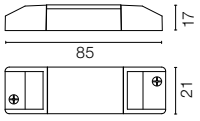
Continuous current power supply 20W, 220/240V - 50/60Hz with power current selected through adjustable NFC. Non Dimmable. Output current (Ta>45ºC).



500mA
60.9834.0500
600mA
60.9834.0600
700mA
60.9834.0700
800mA
60.9834.0800
900mA
60.9834.0900
1050mA
60.9834.1050

Konstantstrom-Netzgerät 3W, 220-240V - 50/60Hz mit nicht regulierbarer Stromzufuhr 700 mA.

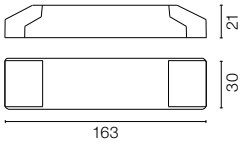
Constant current supply source of 3W, 220-240V - 50/60Hz with non adjustable 700 mA supply voltage.



60.9988

Konstantstromquelle mit über NFC programmierbarer Energieversorgung. Voreingestellt: 900mA, 36W, 220/240 V - 50/60 Hz. Nicht Dimmable.

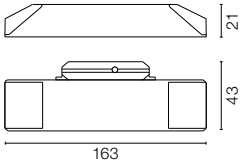
Constant current power supply with programmable power supply current via NFC. Pre-set: 900mA, 36W, 220/240 V - 50/60 Hz. Non Dimmable.



60.9958

Konstantstrom-Netzgerät 900mA, 20W, 220-240V - 50/60Hz. Dimmbar über Casambi.

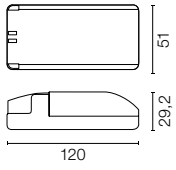
Constant current supply source of 900mA, 20W, 220-240V - 50/60Hz. Dimmable by Casambi.



06.1974.00

Konstantstromquelle 20 W, 220/240 V - 50/60 Hz mit über NFC programmierbarer Energieversorgung. Dimmbar über Dali-2.

20 W, 220/240 V - 50/60 Hz constant current power supply with programmable power supply current via NFC. Dimmable by Dali2.

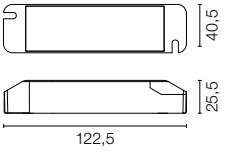


200mA - 8.8W
60.9713.0200
300mA - 13.2W
60.9713.0300
400mA - 17.6W
60.9713.0400
500mA - 20W
60.9713.0500
600mA - 20W
60.9713.0600
700mA - 20W
60.9713.0700
800mA - 20W
60.9713.0800
900mA - 20W
60.9713.0900
1050mA - 20W
60.9713.1050

Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Konstantstrom-Netzgerät mit 20W, 220/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter. Dimmable 0-10V/PWM/ RX-Netzgerät.
Ausgangsstrom: 500mA - 21W / 450mA - 19W / 400mA - 17W / 350mA - 15W / 300mA - 12W / 250mA - 10W.

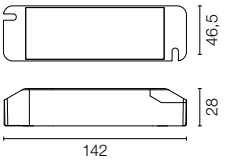
Continuous current power supply 20W, 220/240V - 50/60Hz with power current selected through adjustable switch. Dimmable 0-10V/ PWM/RX.
Output current: 500mA - 21W / 450mA - 19W / 400mA - 17W / 350mA - 15W / 300mA - 12W / 250mA - 10W.



60.9843

Konstantstrom-Netzgerät mit 40W, 220/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter. Dimmable 0-10V/PWM/ RX-Netzgerät.
Ausgangsstrom: 1050mA - 40W / 1000mA - 40W / 950mA - 40W / 900mA - 37W / 850mA - 35W / 800mA - 33W / 750mA - 31W / 700mA - 29W / 650mA - 29W / 600mA - 25W / 550mA - 23W

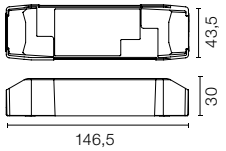
Continuous current power supply 40W, 220/240V - 50/60Hz with power current selected through adjustable switch. Dimmable 0-10V/ PWM/RX.
Output current: 1050mA - 40W / 1000mA - 40W / 950mA - 40W / 900mA - 37W / 850mA - 35W / 800mA - 33W / 750mA - 31W / 700mA - 29W / 650mA - 29W / 600mA - 25W / 550mA - 23W.



60.9845

Konstantstrom-Netzgerät mit 31W, 100/277V - 50/60Hz mit wählbarer Stromversorgung über Schalter. Nicht Dimmable.
Ausgangsstrom: 1050mA - 30/38W (100-110V / 120-277V) / 1000mA - 30/38W (100-110V / 120-277V) / 950mA - 30/38W (100-110V / 120-277V) / 900mA - 30/38W (100-110V / 120-277V) / 850mA - 30/35W (100-110V / 120-277V) / 800mA - 30/33W (100-110V / 120-277V) / 750mA - 30/32W (100-110V / 120-277V) / 700mA - 30/31W (100-110V / 120-277V) / 650mA - 29W / 600mA - 27W / 550mA - 24W / 500mA - 22W / 450mA - 20W / 400mA - 18W / 350mA - 15W / 300mA - 13W.

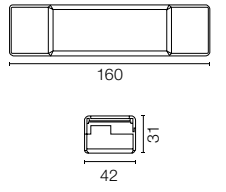
Continuous current power supply 31W, 100/277V - 50/60Hz with power current selected through adjustable switch. Non Dimmable.
Output current: 1050mA - 30/38W (100-110V / 120-277V) / 1000mA - 30/38W (100-110V / 120-277V) / 950mA - 30/38W (100-110V / 120-277V) / 900mA - 30/38W (100-110V / 120-277V) / 850mA - 30/35W (100-110V / 120-277V) / 800mA - 30/33W (100-110V / 120-277V) / 750mA - 30/32W (100-110V / 120-277V) / 700mA - 30/31W (100-110V / 120-277V) / 650mA - 29W / 600mA - 27W / 550mA - 24W / 500mA - 22W / 450mA - 20W / 400mA - 18W / 350mA - 15W / 300mA - 13W.



60.9387

Nicht regulierbares Konstantstrom-Netzgerät mit 20W, 0-10V-Dimmung, 220/240V - 50/60Hz mit einem Leistungsstrom von 900 mA.

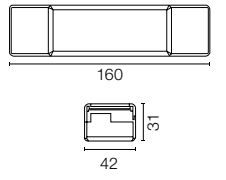
Non dimmable continuous current power supply of 20W, dimmable 0-10V, 220/240V - 50/60Hz with power current 900 mA.



60.9414

Konstantstrom-Netzgerät mit 20W, DALI 2 Dimmung, 220/240V - 50/60Hz mit einem Leistungsstrom von 900 mA.

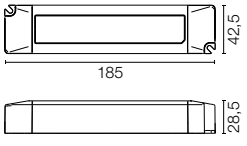
Continuous current power supply of 20W, dimmable DALI 2, 220/240V - 50/60Hz with power current 900 mA.



60.9602

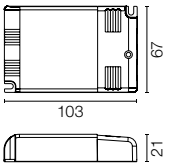
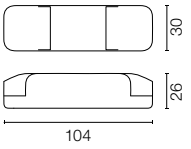
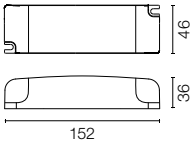
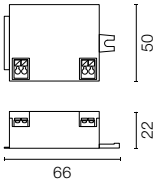
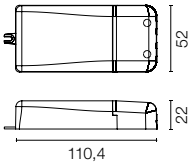
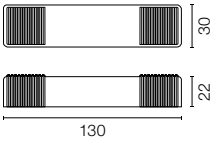
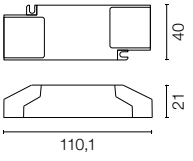
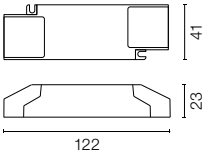
Konstantstromquelle 30W, 220-240V - 50/60Hz, Stromfluss programmierbar über DIP-Switch.
Ausgangsstrom: 900mA - 29.7W / 850mA - 29.7W / 800mA - 30.4W / 750mA - 30W / 700mA - 29.4W / 650mA - 27.3W / 600mA - 25.2W / 550mA - 23.1W

30W, 220-240V - 50/60Hz Constant current power supply, with dip-switch programmable power supply current.
Output current: 900mA - 29.7W / 850mA - 29.7W / 800mA - 30.4W / 750mA - 30W / 700mA - 29.4W / 650mA - 27.3W / 600mA - 25.2W / 550mA - 23.1W

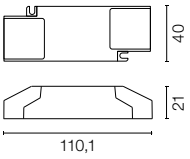
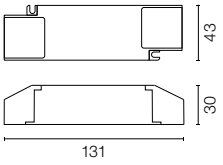
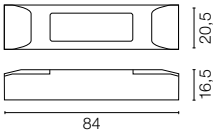
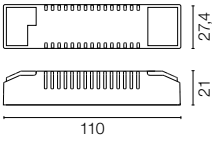
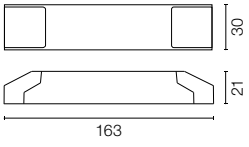
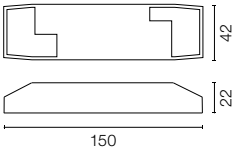
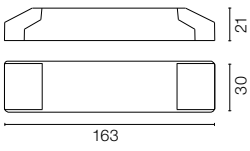


60.9692

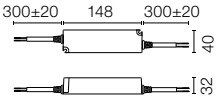
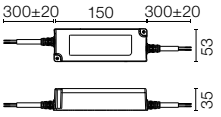
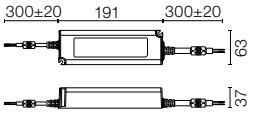
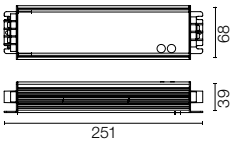
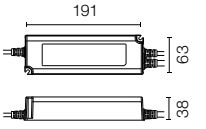
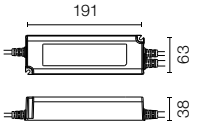
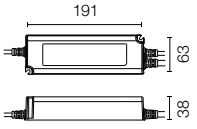
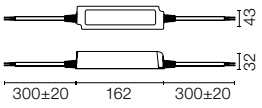
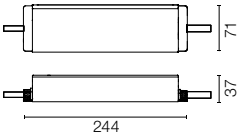
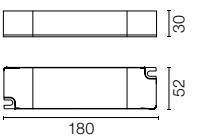
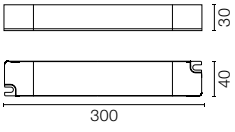
Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

Konstantstrom-Netzgerät mit 1-32W, 110*/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 250 mA - 12W / 300 mA - 14W / 350 mA - 17W / 400 mA - 19W / 450 mA - 22W / 500 mA - 24W / 550 mA - 26W / 600 mA - 28W / 650 mA - 31W / 700 mA - 32W, regulierbar per Dali 2. *Max. 15W	Continuous current power supply of 1-32W, 110*/240V - 50/60Hz with power current selected through adjustable 250 mA - 12W / 300 mA - 14W / 350 mA - 17W / 400 mA - 19W / 450 mA - 22W / 500 mA - 24W / 550 mA - 26W / 600 mA - 28W / 650 mA - 31W / 700 mA - 32W, Dali 2 switch. *110V = Max. 15W			60.8711A
Nicht dimmbare Dauerstromversorgung von 220/240V - 50/60Hz mit Leistungsstrom, der über einen Schalter mit 350mA - 7.35W / 400mA - 8.4W / 450mA - 9.45W / 500mA - 10.5W	Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch 350mA - 7.35W / 400mA - 8.4W / 450mA - 9.45W / 500mA - 10.5W			60.9768
Konstantstrom-Netzgerät mit 100/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 350mA - 15W / 500mA - 21W / 600mA - 26W / 700mA - 30W regulierbar. Dali 1, Dali 2	Continuous current power supply of 100/240V - 50/60Hz with power current selected through adjustable 350mA - 15W / 500mA - 21W / 600mA - 26W / 700mA - 30W switch. Dali 1, Dali 2 dimming			60.9826
Konstantstromquelle 10 W, dimmbar über trailing & leading edge dimming (mains dimming) mit AC-Spannung, 220/240 V - 50/60 Hz, mit 700mA Versorgungsstrom.	10W Constant current power supply, AC phase-cut adjustable, trailing and leading edge dimming (mains dimming), 220/240V - 50/60Hz, with 700mA power supply current.			60.9379
Konstantstromquelle 12 W, dimmbar über trailing & leading edge dimming (mains dimming) mit AC-Spannung, 220/240 V - 50/60 Hz, mit 250mA Versorgungsstrom.	12W Constant current power supply, AC phase-cut adjustable, trailing and leading edge dimming (mains dimming), 220/240V - 50/60Hz, with 250mA power supply current.			60.9408
Konstantstrom-Netzgerät mit 220/240V - 50/60Hz mit wählbarer Stromversorgung über Schalter 200mA - 8W / 250mA - 10W / 300mA - 12W / 350mA - 14W regulierbar über trailing & leading edge dimming (mains dimming).	Continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable switch. 200mA - 8W / 250mA - 10W / 300mA - 12W / 350mA - 14W regulable trailing & leading edge dimming (mains dimming).			60.9949
Konstantstrom-Netzteil 28W, 220-240V - 50/60Hz mit programmierbarem Ausgangsstrom über DIP-Schalter. 100mA - 5.4W / 150mA - 7.9W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.5W / 350mA - 18W / 400mA - 20.4W / 450mA - 23W / 500mA - 25.8W / 550mA - 28.4W / 600mA - 31W / 650mA - 31.4W / 700mA - 31.8W / 750mA - 31.5W / 800mA - 31.8W. Nicht dimmbar.	Constant current power supply 28W, 220-240V - 50/60Hz with programmable output current via DIP switch. 100mA - 5.4W / 150mA - 7.9W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.5W / 350mA - 18W / 400mA - 20.4W / 450mA - 23W / 500mA - 25.8W / 550mA - 28.4W / 600mA - 31W / 650mA - 31.4W / 700mA - 31.8W / 750mA - 31.5W / 800mA - 31.8W. Non-dimmable.			60.7773
Konstantstrom-Netzteil 15W, 220-240V - 50/60Hz mit programmierbarem Ausgangsstrom über DIP-Schalter. 400mA - 11.6W / 450mA - 13W / 500mA - 14.5W / 550mA - 15.9W. Phasenanschnitt dimmbar (Triac).	Constant current power supply 15W, 220-240V - 50/60Hz with programmable output current via DIP switch. 400mA - 11.6W / 450mA - 13W / 500mA - 14.5W / 550mA - 15.9W. Phase-cut dimmable (Triac).			60.7661

Gleichstrom-Netzgerät für LED / Constant Current Power Supply for LED

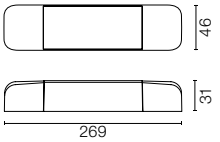
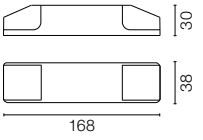
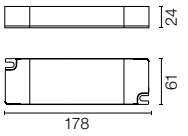
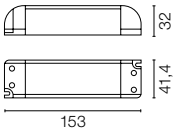
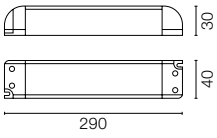
Konstantstrom-Netzteil 20W, 220-240V - 50/60Hz mit programmierbarem Ausgangsstrom über DIP-Schalter. 100mA - 5.8W / 150mA - 8.3W / 200mA - 10.8W / 250mA - 13.2W / 300mA - 15.6W / 350mA - 18.1W / 400mA - 20.6W / 450mA - 23W / 500mA - 22.9W / 550mA - 22.7W / 600mA - 23W / 650mA - 22.6W / 700mA - 23.2W / 750mA - 23W / 800mA - 23.5W. DALI2 - Push Dim dimmbar.	Constant current power supply 20W, 220-240V - 50/60Hz with programmable output current via DIP switch. 100mA - 5.8W / 150mA - 8.3W / 200mA - 10.8W / 250mA - 13.2W / 300mA - 15.6W / 350mA - 18.1W / 400mA - 20.6W / 450mA - 23W / 500mA - 22.9W / 550mA - 22.7W / 600mA - 23W / 650mA - 22.6W / 700mA - 23.2W / 750mA - 23W / 800mA - 23.5W. DALI2 - Push Dim dimmable.			60.7774
Konstantstromquelle 42W, 220–240V - 50/60Hz mit per DIP-Schalter programmierbarem Ausgangsstrom. CASAMBI dimmable. 150mA – 7.9W / 200mA – 9.8W / 250mA – 12.3W / 300mA – 14.7W / 350mA – 17.2W / 400mA – 19.6W / 500mA – 24.5W / 600mA – 29.4W / 700mA – 34.3W / 750mA – 36.8W / 800mA – 39.2W / 850mA – 41.7W / 900mA – 42W / 950mA – 42W / 1000mA – 42W / 1050mA – 42W	Constant current power supply 42W, 220–240V - 50/60Hz with programmable output current via DIP switch. CASAMBI dimmable. 150mA – 7.9W / 200mA – 9.8W / 250mA – 12.3W / 300mA – 14.7W / 350mA – 17.2W / 400mA – 19.6W / 500mA – 24.5W / 600mA – 29.4W / 700mA – 34.3W / 750mA – 36.8W / 800mA – 39.2W / 850mA – 41.7W / 900mA – 42W / 950mA – 42W / 1000mA – 42W / 1050mA – 42W			60.7785
Konstantstromversorgung 3W, 220-240V - 50/60Hz feste Versorgungsspannung. Nicht dimmbar. Ausgangsstrom: 2,25W - 500mA.	Constant current power supply 3W, 220-240V - 50/60Hz fixed supply current. Non-dimmable. Output current: 2.25W - 500mA.			60.7887
Driver DIP Switch Mini Slim 9.1W 220-240V CC DALI2.	Driver DIP Switch Mini Slim 9.1W 220-240V CC DALI2.			60.7744
Driver Multic. 36W 220-240V CC 36W150-900 NFC.	Driver Multic. 36W 220-240V CC 36W150-900 NFC.			300mA 60.9954.0300 500mA 60.9954.0500
Driver Casambi 15W 220-240V 150-1050mA 10-54V.	Driver Casambi 15W 220-240V 150-1050mA 10-54V.			300mA 60.9874.0300 500mA 60.9874.0500
Konstantstromquelle mit über NFC programmierbarer Energieversorgung. 36W, 220/240 V - 50/60 Hz. Dimmbar über Dali-2.	Constant current power supply with programmable power supply current via NFC. 36W, 220/240 V - 50/60 Hz. Dimmable by Dali2.			300mA 60.9957.0300 500mA 60.9957.0500 900mA 60.9957

Stromversorgung mit Konstanter Spannung für LED / Constant Voltage Power Source for LED

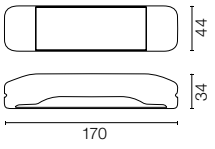
Elektronischer Transformator für LED mit beständiger Spannung (24V) – 100/240V.	Electronic transformer with constant voltage (24V) for LED. 100/240V.			25W 60.8703
				60W 60.9089
				120W 60.9407
LED-Netzteil für den Ferneinbau im Verteiler 24V/240W. 100/240V.	LED power supply source for remote installation in 24V/240W electric control panel. 100/240V.			60.8268
Fernspeisung. Dimmbar durch 0-1/10V-Protokoll 24V. Dimmbereich 10-100%. Mindestlast 20W	Remote power supply. Dimmable through 0-1/10V. protocol. 24V. Dimming range 10-100%. Minimum load 20W			120W - DIM 0-1/10V 60.9681
Fernspeisung. Dimmbar durch Casambi-Protokoll. 24V. Dimmbereich 10-100 %. Mindestlast 20W	Remote power supply. Dimmable through Casambi protocol. 24V. Dimming range 10-100%.			Casambi 120W - 110/240V 60.9683
Fernspeisung. Dimmbar durch DALI2-Protokoll. 24V. Dimmbereich 10-100%. Mindestlast 20W	Remote power supply. Dimmable through DALI protocol. 24V. Dimming range 10-100%. Minimum load 20W			DALI 120W - 110/240V 60.9880
Elektronischer Transformator für LED mit beständiger Spannung (24V) – 60W. 100/240V. Für unabhängige Verwendung.	Electronic transformer with constant voltage (24V) for LED. 60W. 100/240V. For independent use.			60.8515
LED-Netzteil für den Ferneinbau im Verteiler 24V/200W.	LED power supply source for remote installation in 24V/200W electric control panel.			60.9352
Netzteil für beständiger Spannung 24V - 60W, 220-240W- 50/60Hz.	Power supply source with constant voltage 24V - 60W, 220-240W- 50/60Hz.			60.9515
Netzteil für beständiger Spannung 24V - 120W, 220-240W- 50/60Hz.	Power supply source with constant voltage 24V - 120W, 220-240W- 50/60Hz.			60.9516

TREIBER / DRIVERS

Stromversorgung mit Konstanter Spannung für LED / Constant Voltage Power Source for LED

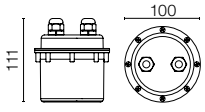
Netzteil für beständiger Spannung 24V - 120W, 220-240W- 50/60Hz.	Power supply source with constant voltage 24V - 120W, 220-240W- 50/60Hz.			120W - 220/240V 60.9777A
Netzteil für beständiger Spannung 24V - 60W, 220-240W- 50/60Hz.	Power supply source with constant voltage 24V - 60W, 220-240W- 50/60Hz.			60.9705A
Netzteil für beständiger Spannung 24V - 60W, 220-240W- 50/60Hz.	Power supply source with constant voltage 24V - 60W, 220-240W- 50/60Hz.			Mains Dimming 60.9881
Konstantspannungsversorgung 24V-60W. Nicht dimmbar.	Constant voltage power supply 24V-60W No Dim			60.9427A
Konstantspannungsversorgung 24V-120W. Nicht dimmbar.	Constant voltage power supply 24V-120W No Dim			60.7783

12V Elektronischer Transformator / 12V Electronic Transformer

12V Elektronischer Transformator. 230/240V, 50-225W.	12V electronic transformer. 230/240V, 50-225W.			60.8364

Prüfen Sie die Kompatibilität mit LED-Retrofit-Lampen / Please check compatibility with Retrofit LED lamps.

12V Konventioneller Transformator / 12V Conventional Transformer

12V Ferromagnetischer Transformator. 230V, 50/60Hz. IP67. Primärleitung 75 cm, Sekundärleitung 145cm.	12V conventional transformer. 230V - 50/60Hz. IP67. Primary wire: 75 cm, secondary wire: 145 cm.			50W 60.8311

Mains Dimming – Disclaimer

Es muss eine Steuereinheit verwendet werden, die mit Netzdimmung (Phasenan- oder Phasenabschnittsdimmer) kompatibel ist.
Die Kompatibilität zwischen der verwendeten Steuereinheit und der Flos-Leuchte muss vom Kunden überprüft werden.
Die Verwendung von Steuergeräten, die nicht für LED-Beleuchtung geeignet sind, kann die Leuchte, den Treiber und/oder die Steuereinheit beschädigen. Daher wird deren Gebrauch abgeraten und es wird keine Haftung für Schäden übernommen.
Der Steuerungsbereich kann je nach Modell und Anzahl der pro Steuergerät installierten Leuchten, dem Treiber und des verwendeten Steuergerät variieren.
Die max. installierte Leistung pro Steuergerät muss unter 80 % der Nennleistung des verwendeten Steuergerät liegen.

A dimmer compatible with mains dimming (leading/trailing edge) must be used.
Customer needs to check the compatibility between the dimmer used and the Flos luminaire.
Using dimmers that are not suitable for LED lighting can damage the luminaire, the driver and/or the dimmer. Therefore, their use is discouraged and any liability thereof is disclaimed.
The dimming range may vary depending on the model and the number of luminaires installed per dimmer, the driver and the dimmer used.
The maximum power installed per dimmer must not exceed 80% of the nominal power of the dimmer used.

Steuerung
Bessere Optische Steuerung

Das LED-Reihenmodul besitzt eine Oberfläche mit hoher Lichtdichte, die es mithilfe von Reflektoren ermöglicht, das Licht auf sehr effiziente Weise zu kontrollieren. Es kann eine große Vielfalt an Öffnungswinkeln erzielt und somit nahezu jeder Anwendung entsprochen werden.

Control
Greater Optical Control

The LED Array module has a high-density light surface that allows the light to be effectively controlled through reflectors. A wide variety of opening angles can be obtained, thereby catering for any application.

Kein Mosaikeffekt
Weißes Licht ohne Mosaikeffekt

Die LED-Reihe erzeugt dank ihrer Konfiguration ein gleichförmiges Weißschema ohne Farbvariationen. Darüber hinaus verändert sich während der während Nutzungsdauer des Moduls weder sein außerordentlicher Lichtfluss noch die Farbtemperatur.

No Pixellation
White Light without Pixellation

Due to its configuration, the LED Array achieves a uniform standard of whites with no change in colour. In addition, during the useful life of the module, an exceptional maintenance of the luminous flow and colour temperature is obtained.

Kostenreduzierung
Verringerung der Betriebskosten

Dank der langen Nutzungsdauer mit einem Mindestlichtfluss von 70% werden die Instandhaltungskosten mit dieser LED-Lösung stark reduziert. Der Energieverbrauch verringert sich im Vergleich zu herkömmlichen Lichtquellen um bis zu 75 %.

Cost Reduction
Reduction in Operating Costs

With this LED solution, there is a drastic reduction in maintenance costs due to its long useful life with a minimum luminous flow of 70 %. The energy consumed is reduced by 75 % compared to traditional lighting sources.

Kommerzielle Anwendung
Lichtquelle für die Kommerzielle Anwendung

Der Lichtfluss enthält keine Infrarot- oder UV-Strahlen, die Schäden an der Kleidung verursachen und für das vorzeitige Altern von Nahrungsmitteln verantwortlich sein können. Die reduzierte Wärmebildung im Lichtstrahl sorgt für eine Verringerung der Kosten für den Einsatz von Klimaanlagen.

Retail Application
Light Source for Retail Application

The luminous flow contains no IR or UV radiation, which cause damage to clothing or the premature spoiling of food. The elimination of heat in the light beam is transformed into a reduction in air conditioning costs.

Reflektoren
Leuchtleistung

Das LED-Reihenmodul ist keine Punktlichtquelle. Das Licht wird über die Harzfläche der LED-Matrix ausgegeben. Dieser Aufbau hat Einfluss auf die Berechnung der Leuchtkraft und die Steuerung des Öffnungswinkels der LEDs. Aus diesem Grund sind Reflektoren die geeignetste Methode zur Steuerung der Leuchtleistung.
Die Reflektoren können aus metallisiertem Thermoplast bestehen, da die Lichtquelle keine thermischen Ansprüche stellt. Die thermoplastische Bauweise sorgt für mehr Flexibilität im Design und die reflektierende Oberflächenform mit einer Leistung von 90 % kann auf eine Art und Weise optimiert werden, die bei herkömmlichen Reflektoren aus Aluminium nicht durchführbar wäre.
Der Öffnungswinkel kann 20° bis etwa 60° betragen.

Reflectors
Light Performance

The LED module is not a point source. The light is emitted through the LEDS matrix resin area. This construction has an influence when making light calculations and controlling the LED opening angle. As a result, the best way to perform this light control is using reflectors.
These reflectors may be made of metallic thermoplastic material since there is no thermal demand on the light source. As they can be made of thermoplastic, there is greater flexibility in their design and the reflecting surface can be optimised with non-viable forms with traditional aluminium reflectors, with a performance of 90 %.
Opening angles of between approximately 20° and 60° can be obtained.

Lichtstrahl
Geschlossener Lichtstrahl

Da es sich um eine Punktlichtquelle handelt, muss die optische Steuerung über Linsen erfolgen. Die optische Steuerung ermöglicht die Reduzierung des Lichtstrahls bis auf sehr kleine Winkel. Deshalb eignet sich eine Power LED besonders gut als Lichtquelle für Anwendungen, die eine hohe Lichtdichte voraussetzen.

Light Beam
Closed Light Beam

Due to the fact that the light comes from a point source, optical control must be carried out using lenses. This optical control allows for the reduction of the light beam to very closed angles. For this reason, this is the most appropriate light source in applications which require a high light density.

Design
Designfreiheit

Power LEDs werden auf elektronischen Platten montiert. Diese elektronischen Platten können in einer unendlichen Vielfalt an Maßen und Formen hergestellt werden, weshalb das gesamte Design der Lichtquelle (elektronische Platte + LED + Linsen) höchst flexibel und frei gestaltbar ist. Durch diese Flexibilität hebt sie sich von den herkömmlichen Lichtquellen ab.

Design
Freedom of Design

The power LEDs are mounted on electronic board. These electronic boards can be designed in many different sizes and shapes, so that the complete light source design (electronic board + LED + Lenses) is extremely flexible and has great freedom. This flexibility makes it different from traditional light sources.

Farbe
Große Palette an Farbtemperaturen

Power LEDs werden dank ihrer diskreten Eigenschaften in einer großen Vielfalt von Farbtemperaturen angeboten. Es werden sogenannte BINs, Bereiche des chromatischen Spektrums, festgelegt, innerhalb derer die LEDs hinsichtlich der gewählten Farbtemperatur garantiert über eine bestimmte minimale chromatische Variation verfügen.

Colour
Wide Range of Colour Temperatures

The power LEDs are discreet, and can be selected in a wide range of colour temperatures. Bins are established (chromatic spectrum ranges) in which it is guaranteed that the LEDs have a minimum chromatic change with respect to the colour temperature selected.

Lichtstrahl
Diffuses Licht

Eignen sich dank ihrer Bauweise ausgezeichnet für Anwendungen, in denen keine Lichtführung erforderlich ist, wie indirekte Beleuchtung oder Lichtquellen mit eingebautem Diffusor.

Light Beam
Diffuse Light

Given their geometry, they are excellent for applications that have no directed light requirements, such as indirect light or luminaires.

Stromversorgung
Spannung 24V

Aufgrund ihrer kompakten Größe und der unkomplizierten Stromversorgung ermöglichen die “Top LED” beim Entwerfen einer gedruckten Schaltung eine Vielzahl an unterschiedlichen Lösungen. Ihre einfache Stromversorgung über Konstantstromquellen mit 12/24 V, die Möglichkeit von Parallelanschluss und -installation sowie die Option, gruppierte und ungleichmäßige Designs zu erstellen, machen sie zu perfekten Kandidaten, wenn es gilt, eine Lichtquelle zu entwickeln, die sich nicht im Rahmen traditioneller Beleuchtungslösungen bewegt.

Power Supply
Voltage 24V

Given their compact dimensions and simple power supply, the “Top LED” offer dozens of different solutions for designing a printed circuit. Their easy power supply using constant 12/24V voltage supplies with possible assemblies and connections in parallel, together with the possibility of creating grouped and irregular designs, make them the perfect candidate when a light source far from the conventions set my traditional light sources is necessary.

Farbe
Große Palette an Farbtemperaturen

Ebenso wie die “Power LED” sind auch die “Top LED” in einer umfangreichen, das gesamte Farbenspektrum umfassenden Farbtemperaturpalette verfügbar. Die festgelegte Auswahl wird durch ihren Bin-Code definiert, der ihre Gleichförmigkeit gewährleistet.

Colour
Wide Range of Colour Temperatures

The “Top LED” like the “Power LED” are available in a large range of colour temperatures distributed throughout the entire chromatic spectrum. The selection made will be defined by its bin guaranteeing its homogeneity in it.

Schutzart
Degree of Protection

IP
20

Schutzgrad gegen feste Fremdkörper und Wasser.

Protection degree offered by the fixture to the ingress of solids and liquids.

IP
20

1. Kennziffer: Schutz gegen Eindringen fester Körper.

1st figure: protection against penetration by solid bodies.

0 Ungeschützt.
1 Fremdkörper grösser als 50 mm.
2 Geschützt gegen feste Fremdkörper grösser als 12 mm.
3 Geschützt gegen feste Fremdkörper grösser als 2,5 mm.
4 Geschützt gegen feste Fremdkörper grösser als 1 mm.
5 Staubgeschützt.
6 Staubgeschützt.

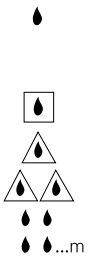
0 No protection.
1 Protected against solid bodies over 50 mm in diameter.
2 Protected against solid bodies over 12 mm in diameter.
3 Protected against solid bodies over 2,5 mm in diameter.
4 Protected against solid bodies over 1 mm in diameter.
5 Protected against dust.
6 Fully protected against dust.

IP
2**0**

2. Kennziffer: Schutz gegen Eindringen von Wasser.

2nd figure: protection against penetration by water.

0 Ungeschützt.
1 Geschützt gegen senkrecht fallendes Tropfwasser.
2 Geschützt gegen senkrecht fallendes Tropfwasser.
3 Geschützt gegen schräg fallendes Sprühwasser mit einem Winkel bis zu 60°.
4 Geschützt gegen Spritzwasser.
5 Geschützt gegen Strahlwasser.
6 Geschützt gegen schwere See.
7 Geschützt gegen Untertauchen.
8 Geschützt gegen dauerhaftes Untertauchen.



0 No protection.
1 Protected against drops of water falting vertically.
2 Protected against drops of water at a max. inclination of 15 degrees.
3 Protected against drops of water at a max. inclination of 60 degrees.
4 Protected against splashed of water.
5 Protected against jets of water.
6 Protected against waves.
7 Protected against immersión.
8 Protected against long term immersión.

Piktogramme
Pictography

Geräte zur Montage an oder in normal entflammbaren Flächen geeignet.

Luminaire with builtin power packs or transformers, suitable for mounting directy onto normally inflammable surfaces.

Konventionelles Vorschaltgerät.

Conventional Ballast.

GWT 850°

Besteht Prüfung mit Glühdraht (Glow Wire Test) bei 850°C laut Norm IEC 60695-2-10.

Passes Glow Wire Test at 850°C according to standard IEC 60695-2-10.

Ausschließlich für die Verwendung von Wolfram-Halogenlampen oder Halogen-Metalldampflampen mit eigenem Schutzschirm entwickelte Leuchten.

Luminaires designed to exclusively use wolfram halogen lamps or metal halide lamps with own protection screen.

Leuchtenschutzklassen
Luminaires Classification

Class I

Leuchten, bei denen der Schutz gegen elektrischen Schlag nicht nur auf der Basisisolierung beruht, sondern bei denen zusätzliche Sicherheitsvorkehrungen getroffen werden. Alle berührbaren unter Spannung stehenden Teile müssen an einen Schutzleiter (Erdungsan-schluß) angeschlossen sein.

Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of connecting the accesible conductive parts to a safety conductor (earth).

Class II

Leuchten, bei denen der Schutz gegen elektrischen Schlag nicht nur auf der Basisisolierung beruht, sondern die über zusätzliche Sicherheitsvorkehrungen durch doppelte Isolierung verfügen ohne Erdungsanschluß.

Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of double reinforced insulation without conductive parts to a safety conductor (earth).

Class III

Leuchten, bei denen der Schutz gegen elektrischen Schlag durch den Anschluß an eine Schutz-kleinspannung erreicht wird; es dürfen keine höhere Spannung produziert werden. Eine Leuchte der Klasse III darf niemals einen Schutzleiteranschluß enthalten.

Luminaire in which protection against electrical shocks is based on the very low safety supply voltage and no voltages are produced higher than this. A Class III luminaire must never be provided with earthing.

Zulassungen
Homologations

Alle im Rahmen dieses Programms produzierten und präsentierten Leuchten wurden konform zu der Europäischen Norm EN 60 598 hergestellt und entsprechen damit den Anforderungen der Richtlinie 73/23 EWG (Niederspannungsrichtlinie). Der Herstellungsprozess garantiert ebenfalls die Konformität zur Richtlinie 89/336 EWG welches die elektromagnetische Verträglichkeit betrifft. Alle dem Anwendungsbereich der oben genannten Richtlinien unterliegenden Produkte enthalten das CE Zeichen, welches die Konformität zu den jeweiligen Anforderungen kennzeichnet.

All lamps manufactured and illustrated in this catalog comply with European Standard EN 60 598 and consequently meet the requirements set forth in Directive 73/23 EEC (Low Voltage Directive). They also comply with Directive 89/336 covering electromagnetic compatibility. All products falling under the scope of the above-mentioned Directives bear the CE mark as proof of their compliance with the respective requirements.

Das ENEC-Zeichen auf dem Produkt gewährleistet über die Zertifizierung durch eine benannte Stelle die Einhaltung der europäischen Normen sowie zuverlässige Organisations- und Produktionssysteme.
Dieses Prüfzeichen steht für unser Engagement und gibt die beste Garantie in Bezug auf Sicherheit und Qualität unserer Produkte.

The ENEC mark on the product stands for the compliance of European Standard as well as a trustworthy organisation and product system and is guaranteed by an accredited certification body.
This agreed mark stands for our engagement and represents the best guarantee in security and quality matter of our products.

Der spanische Verband für Normung und Zertifizierung, AENOR, bescheinigt, dass das integrierte Qualitäts- und Umweltmanagementsystem von Antares Iluminación S.A. Es erfüllt die Anforderungen der europäischen Normen EN ISO 9001:2015 Qualitätsmanagementsystem und EN ISO 14001:2015 Umweltmanagementsystem.

The Spanish association for standardization and certification, AENOR, certifies that the Integrated Quality and Environmental Management System adopted by Antares Iluminación S.A. It complies with the requirements of the European Standards EN ISO 9001:2015 Quality Management System and EN ISO 14001:2015 Environmental Management System.

Die Zertifizierungsstelle QCERT S.A.S. bewertet unter Berücksichtigung der geltenden nationalen und internationalen Bestimmungen die Konformität unserer Produkte für deren Vermarktung in Kolumbien.
Diese Zertifizierung der Produkte ermöglicht es Herstellern und Händlern, ihren Absatzmarkt zu vergrößern und einen Wettbewerbsvorteil zu erlangen, der über die Grenzen des lokalen Marktes hinausgeht, und so den Handel auf internationalem Niveau zu steigern.

The QCERT S.A.S. Certification Body evaluates the conformity of our products to enable their placement on the Colombian market while taking into account the current national and international regulations.
This product certification allows manufacturers and marketers to expand their markets and gain a competitive advantage that can transcend the boundaries of the local market while enhancing international trade.

Das von IECEE entwickelte CB-Zertifizierungssystem basiert auf den internationalen IEC-Standards und ist in Saudi-Arabien, Argentinien, Australien, Österreich, Bahrain, Belgien, Weißrussland, Brasilien, Bulgarien, Kanada, China, Kolumbien, Kroatien, Dänemark, Vereinigte Arabische Emirate , Finnland, Frankreich, Deutschland, Japan, Griechenland, Indien, Indonesien, Irland, Israel, Italien, Kenia, Libyen, Malaysia, Mexiko, Norwegen, Neuseeland, Niederlande, Pakistan, Polen, Portugal, Vereinigtes Königreich, Tschechische Republik, Republik aus Korea, Rumänien, Russland, Serbien, Singapur, der Slowakei, Slowenien, Spanien, den Vereinigten Staaten, Südafrika, Schweden, der Schweiz, Thailand, der Türkei, der Ukraine, Ungarn und Uruguay anerkannt.

Created by IECEE, the CB certification system based on the IEC International Standards is recognized in Saudi Arabia, Argentina, Australia, Austria, Bahrain, Belgium, Belarus, Brazil, Bulgaria, Canada, China, Colombia, Croatia, Denmark, United Arab Emirates , Finland, France, Germany, Japan, Greece, India, Indonesia, Ireland, Israel, Italy, Kenya, Libya, Malaysia, Mexico, Norway, New Zealand, Netherlands, Pakistan, Poland, Portugal, United Kingdom, Czech Republic, Republic of Korea, Romania, Russia, Serbia, Singapore, Slovakia, Slovenia, Spain, United States, South Africa, Sweden, Switzerland, Thailand, Turkey, Ukraine, Hungary and Uruguay.

Photometrische Daten
Photometric Data

Im Laufe der Zeit ist die Anzahl der visuellen Inputs, denen der Mensch ausgesetzt ist, erheblich angewachsen. Etwa 75% der Informationen über unsere Umgebung, die wir ausarbeiten, scheinen heutzutage über die Augen aufgenommen zu werden, die ähnlich wie eine Kamera funktionieren, denn auch sie nehmen das von den Objekten in einem bestimmten Raum ausgestrahlte oder reflektierte Licht auf. Das bedeutet, dass die in unserem Hirn ausgearbeiteten Informationen stark von dem Helligkeitsniveau, dem Lichttyp und der Art der Raumausleuchtung abhängen.
Mit dem hier präsentierten photometrischen Material (insbesondere mit dem Berechnungsprogramm) möchten wir den Licht - Designern das erforderliche Material zur Verfügung stellen, das sie zur Realisierung von Beleuchtungsprojekten benötigen, die den aktuell geltenden Vorschriften der Norm EN 12464-1 entsprechen, was die richtige Lichtverteilung, den Sehkomfort, die höchstmögliche Leistung und damit auch den geringsten Energieverbrauch betrifft. Für eine volle Nutzung des Berechnungsprogramms ist eine eingehende Kenntnis der verwendeten Produkte absolut erforderlich.

With the passing of time, we have been exposed to a rising number of visual impacts. It is currently estimated that about 75% of the information we processe when relating to our surroundings is received through our eyes, which work very much like a camera, through the light that is emitted or reflected from objects in a given environment. This means that the information processed by the brain is heavily reliant on the level and type of light, and how this environment is illuminated.
The photometric documentation that has been prepared (especially through the calculation program) aims to provide lighting designers with the material they need to develop lighting projects that comply with the EN 12464-1 standard now in force, in terms of sufficient light distribution, visual comfort, maximum lighting efficiency and consequently, the lowest possible energy consumption. In order to make the most of the calculation program, it is essential to have all the necessary information on the products to be used.

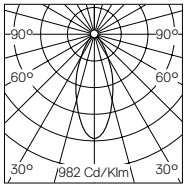
Die Norm EN 12464-1

Diese Norm legt die beleuchtungstechnischen Kriterien für eine bestmögliche Ausleuchtung der einzelnen Räume im Innenbereich fest, insbesondere am Arbeitsplatz, auch an Bildschirmarbeitsplätzen, und schreibt Durchschnittswerte für Beleuchtungsstärke Em, Farbwiedergabe Ra und Sehkomfort UGR vor.
Genormter Index der Direktblendung UGR (Unified Glare Rating).
Das UGR klassifiziert die Blendstörung, die die Beleuchtungsanlage in einem Innenraum verursacht unter Berücksichtigung des Leuchtkörpertyps, der Spiegelungscharakteristiken, der Raumdimension und der Position des Beobachters. Für einen CAD Arbeitsplatz z.B. schreibt die EN 12464-1 folgende Werte vor: Em = 500 lx, Ra= 80, UGR<=19.

EN 12464-1 Standard

Sets the technical lighting requirements that satisfy the needs of indoor visual performance, especially in workplaces, even when visual display terminals are used, by prescribing the average illuminance values Em, color rendering Ra, visual comfort UGR.
UGR (Unified Glare Rating)
Classifies the discomfort glare caused by an indoor lighting system, taking into account the kind of luminaires, the reflecting features and size of the rooms, the position of the observers.
For example, for CAD workstations, EN 12464-1 standards set Em = 500 lx, Ra= 80, UGR<=19.

Graphische Darstellung der Charakteristiken von Lichtemissionen

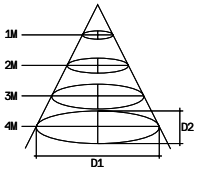


Die Verteilung der von einem Leuchtkörper ausgestrahlten Lichtstärken wird in einem Polarkoordinatendiagramm mit einer oder mehreren Lichtstärkeverteilungskurven C dargestellt, die die Lichtquelle im Schnitt durch das Lichtbaryzentrum durchqueren. Die Raumpunkte und Lichtstärkenwerte werden von einem System von Kugelkoordinaten erfasst (C, γ, I). Die Kurven, die die Endpunkte der Lichtstärken-Vektoren auf den C-Kurven vereinigen, nennen sich Lichtstärkeverteilungskurven (LVK) oder Ausgabeindikator.
Die Anzahl der erforderlichen Kurven C ist in den CIE Empfehlungen vorgeschrieben und ebenfalls in die Europäische Norm über Lichtstärkeverteilungsmessungen und deren graphische Darstellung aufgenommen (CEN 13 032-1).
Bei rotationssymmetrischen Lichtquellen kann die Lichtstärkeverteilung durch eine einzige Lichtstärkeverteilungskurve charakterisiert werden. Bei allen anderen Lichtquellen sind zumindest eine Querkurve (C0-180) und eine Längskurve (C90-270) erforderlich.
Bei Leuchten, die mehrere, geometrisch identische Leuchtmittel, allerdings mit unterschiedlichem Lichtstrom enthalten können, wird generell angenommen, dass das Polardiagramm der Lichtstärkenverteilung für einen idealen Lichtstrom von 1.000 Lumen dargestellt, und demnach in cd/klm ausgedrückt wird.
Für Lichtquellen mit integrierter Optik sind die in diesem Katalog angegebenen Höchstwerte der Lichtstärken absolut (cd) und nicht auf einen normalisierten Lichtstrom von 1.000 Lumen bezogen, während die gleichen Werte bei anderen Lichtquellen einem idealen Lichtstrom von 1.000 Lumen (cd/klm) entsprechen.
Für LED-Produkte mit elektronischer Steuerung und Kühlkörper, sowie solche, die Netzanschluss oder Stromzufuhr durch ein DC-Netzteil benötigen, einschließlich kompletter LED-Leuchten mit nicht austauschbaren LED-Modulen, wird bei der Testmethode LM-79 die absolute Fotometrie zur direkten Messung des Gesamtlichtstroms für jede einzelne Konfiguration herangezogen.
Tatsächliche Lichtverteilung und Lichtintensität werden direkt an der kompletten Leuchte gemessen.

Diagram of the Characteristics of Light Output

Luminous intensity distribution is presented in the form of a polar plot of one or more C planes that cross-section the luminaire, passing though its light center of gravity. The planes and the intensity are shown by means of a system of spherical coordinates (C, γ, I). The curves that join the ends of the intensity vectors on a C plane are called photometric curves or output indicators.
The number of C-section planes is prescribed by CIE recommendations, and is referred to in the European Standards on photometric measurements and data presentation (CEN 13 032-1).
For revolving or symmetrical luminaires, light output is shown as a single curve. In all the other cases, the diagram shows the horizontal (C0-180) and longitudinal (C90-270) planes at least.
For luminaires that can be fitted with light sources that are geometrically the same but with different luminous fluxes, it is generally accepted that the polar plot shows an ideal luminous flux of 1,000 lumen and is therefore expressed in cd/klm.
For light sources that include reflectors, the maximum luminous intensity values provided in this catalogue are absolute (cd) and do not refer to a standard 1,000 lm flux. For other sources, the same values correspond to an ideal 1,000 lm (cd/klm) flux.
For LED-based products incorporating control electronics and heat sinks, products requiring only line voltage or DC power supply, including complete LED luminaires with no replaceable integrated LED sources, the LM-79 test method uses absolute photometry to directly measure total lumen output for a particular configuration.
The real distribution of light and light intensity are measured directly for the complete luminaire.

E(lx/Klm) h(m)	D(m) 11°
1 4918	0.20
2 1229	0.40
3 546	0.60
4 307	0.80
5 197	0.99



Beleuchtungsstärke (durch das Symbol E ausgedrückt)

Die mittlere Lichtintensität, in Lux (lx) ausgedrückt, auf einer Fläche ist der Quotient zwischen dem Lichtstrom, in Lumen (lm) ausgedrückt, der auf eine Fläche trifft, und der Abmessung (m^2) der Fläche selbst. Je nach den Erfordernissen kann man die horizontalen Lichtintensitäten berechnen (z.B. auf dem Schreibtisch: Zum Lesen), die vertikalen (Beleuchtung eines Sportplatzes: Damit man die Sportler sehen kann) oder die halbzylinderförmigen (Straßenbeleuchtung: Damit man eine entgegenkommende Person erkennen kann).
In manchen Fällen, z.B. wenn es sich um Spots oder Leuchten mit integriertem Reflektor handelt, werden die Leistungen vereinfacht in Tabellen gezeigt, so genannten “Lichtkegeln”, die sowohl die Durchschnitts- und Höchstwerte der Lichtintensitäten, als auch die Durchmesser des Leuchtflecks im Verhältnis zu den Abständen der beleuchteten Fläche zur Lichtquelle zeigen. Der Winkel an der Spitze des Lichtkegels gibt die Öffnung des Strahlenbündels der Lichtquelle an, genauer gesagt der Winkel, den der Lichtstärken-Vektor anzeigt, wenn seine Leistungsflussdichte die Hälfte der maximalen Lichtintensität übersteigt.
Die Lichtintensität wird in Lux pro 1.000 lm ausgedrückt (lx/klm). Für Lichtquellen mit integrierter Optik sind die mittleren und Höchstwerte der Lichtintensitäten absolut, während sie bei anderen Lichtquellen einem idealen Lichtstrom von 1.000 lm entsprechen.

Illuminance (shown as E)

The average illuminance expressed in lux (lx) on a surface is the quotient resulting from the luminous flux, expressed in lumen (lm), on the surface and the dimension (m^2) of the surface itself. Depending on the need, the illuminance value can be horizontal (e.g. on a desk: for reading), vertical (illumination of a sports fields: to see the players), semi-cylindrical (urban fittings: to see who is coming towards us).
In some cases, for example when using spotlights or lamps with a reflector, the performance features are simply shown by means of tables called “light cones” showing both the average and maximum illuminance values, as well as the diameter of the luminous spot, in relation to the distance of the plane from the luminaire. The vertex angle of the light cone is the luminaire’s beam, that is, the angle formed by the intensity vector when its module is greater than half of the maximum intensity.
Illuminance is expressed in lux per 1,000 lm (lx/klm). For light sources that include reflectors, the average and maximum illuminance values are absolute. For other sources, they correspond to an ideal 1,000 lm flux.

Isolux

Bei einer Beleuchtungsanlage können die Ergebnisse der photometrischen Messungen auf einer beleuchteten Fläche in Form von “Isolux-Diagrammen” graphisch dargestellt werden, d.h. mit Linien, die die Punkte mit gleicher Lichtintensität verbinden. Die Isolux-Diagramme erlauben eine rasche, wenn auch nicht absolut präzise Einschätzung des Durchschnittswertes und der Gleichmäßigkeit der Lichtintensität.

Isolux

The photometric results of a lighting installation can be shown on a surface using an “Isolux”, that is, lines connecting the points with the same illuminance. Isolux diagrams are used to quickly determine, albeit in an approximate manner, the average value and uniformity of the illuminance.

CIE 62/98/100/100/74
DIN A50
UTE 0.47C+0.00T
CIBSE TM5 BZ3/2/BZ2

Photometrische Klassifizierung von Leuchten

Ausgehend von den Charakteristiken der Lichtstromverteilung und von verschiedenen Daten über die Lichtstromabgabe einer Leuchte nach oben und nach unten, sowie von dem Verhältnis zwischen den einzelnen Leistungen ist es möglich, eine Leuchte je nach ihrer Konformität zu verschiedenen Empfehlungen und Standardkriterien zu klassifizieren: CIE, DIN 5040, UTE, und CIBSE LG3.

Photometric classification of luminaires

Using the classification of luminous flux distribution and using the various ratios between the flux emitted by a luminaire in the upper and lower hemispheres, as well as the ratio of their different yields, a luminaire can be classified on the basis of different recommendations and standards: CIE, DIN 5040, UTE, and CIBSE LG3.

CIE

Darstellung der Lichtstromverteilung einer Leuchte im Inneren von Lichtkegeln mit festgelegten Öffnungswinkeln; der letzte Wert der Serie gibt die Gesamtleistung der Leuchte an.
Die Leuchten werden auf der Basis von fünf Zahlen klassifiziert (CIE Indexe)
$N_1=F_1/F_4$ $N_2=F_2/F_4$ $N_3=F_3/F_4$ $N_4=F_4/F_5$ $N_5=F_5/F$= Leistung
Dabei ist:
F_1 ist die Lichtstromabgabe im Kegel des Raumwinkels $\pi/2$, Scheitelwinkel 83°
F_2 ist die Lichtstromabgabe im Kegel des Raumwinkels π, Scheitelwinkel 120°
F_3 ist die Lichtstromabgabe im Kegel des Raumwinkels $3\pi/2$, Scheitelwinkel 151°
F_4 ist die Lichtstromabgabe im Kegel des Raumwinkels 2π, Scheitelwinkel 180°
F_5 ist die Lichtstromabgabe im Kegel des Raumwinkels 4π, Scheitelwinkel 360°
F ist die installierte Lichtstromabgabe.

CIE

Diagram of flux distribution by a luminaire inside cones with specific angles; the last number of the series provides the total output ratio of the luminaire. Illuminating luminaires are classified on the basis of five numbers (CIE codes)
$N_1=F_1/F_4$ $N_2=F_2/F_4$ $N_3=F_3/F_4$ $N_4=F_4/F_5$ $N_5=F_5/F$= yield
Where:
F_1 is the flux emitted in the solid angle cone $\pi/2$, vertex angle 83°
F_2 is the flux emitted in the solid angle cone π, vertex angle 120°
F_3 is the flux emitted in the solid angle cone $3\pi/2$, vertex angle 151°
F_4 is the flux emitted in the solid angle cone 2π, vertex angle 180°
F_5 is the flux emitted in the solid angle cone 4π, vertex angle 360°
F is the installed flux.

DIN 5040

Die photometrische Klassifizierung erfolgt mit einem Buchstaben und zwei Ziffern. Der Buchstabe zeigt die Lichtverteilung an, angefangen bei A: A: Direktes, konzentriertes Licht, bis zu E: Indirektes Licht. Die erste Ziffer zeigt den Stromflussanteil nach unten an (direktes Licht). Die zweite Ziffer zeigt den Stromflussanteil nach oben an (indirektes Licht).

UTE

Die photometrische Klassifizierung erfolgt mit einer Ziffer, die die direkte Leistung anzeigt, gefolgt von einem Buchstaben, der die Lichtverteilung angibt, angefangen bei A für ein enges Lichtbündel bis zu J für halbdirektes Licht. Sollte die Leuchte ebenfalls indirektes Licht ausstrahlen (nach oben), so wird die indirekte Leistung hinzugefügt gefolgt von dem Buchstaben “T”. Eine Leuchte z.B., die 30% ihres Lichtstroms nach unten verbreitet und 35% nach oben mit indirekter Lichtabgabe wird nach UTE folgendermaßen eingestuft: 0,30J + 0,35T.

CIBSE LG3

Mit den Abänderungen zur Lighting Guidance 3 von 2001 wird das Klassifizierungssystem nach Kategorien (Cat) aufgehoben, um sich den Europäischen Normenvorschriften EN 12464-1 anzugleichen.
Diese englische Norm stufte die Leuchten je nach der Luminanz auf vier Ebenen in drei Kategorien ein: C0-180, C90-270, C135-315 e C225-45.
Zur Kategorie CIBSE LG3 Cat 1 gehören Leuchten mit einer Leuchtdichte unter 200 cd/m² für Beobachtungswinkel γ ab 55°.
Zur Kategorie CIBSE LG3 Cat 2 gehören Leuchten mit einer Leuchtdichte unter 200 cd/m² für Beobachtungswinkel γ ab 65°.
Zur Kategorie CIBSE LG3 Cat 3 gehören Leuchten mit einer Leuchtdichte unter 200 cd/m² für Beobachtungswinkel γ ab 75°.

Farbige Filter

Durch das Anbringen von farbigen Filtern an eine Leuchte können die photo- und colorimetrischen Charakteristiken verändert werden, z. B. die Farbtemperatur der Leuchte, um sie spezifischen Erfordernissen einer gezielten Objektbeleuchtung oder eines besonderen Ambientes anzupassen.
Der Einsatz von Filtern reduziert darüber hinaus die Lichtemission, und zwar in verschiedenem Maß je nach den Charakteristiken des Filters.

Eulumdat-Dateien

Die Eulumdat-Dateien für sämtliche Leuchten von FLOS stehen unter www.flos.com zur Verfügung und können für beleuchtungstechnische Berechnungsprogramme herangezogen werden.

DIN 5040

The photometric classification of luminaires consists of a letter and two numbers. The letter indicates the luminous distribution starting from A: direct concentrated to E: indirect. The first number indicates the percentage of luminous flux emitted in the lower hemisphere (direct). The second number indicates the percentage of luminous flux in the upper hemisphere (indirect).

UTE

The photometric classification of luminaires consists of a number that indicates the direct output ratio followed by a letter that indicates the luminous distribution starting from A for a narrow angle to J for semi-indirect. Should the luminaire also have indirect emission (upper hemisphere), the indirect yield followed by the letter “T” is added. For example, for a luminaire emitting 30% of its flux downwards and 35% upwards, with a semi-indirect emission, the UTE code would be 0.30J + 0.35T.

CIBSE LG3

With the amendment of Lighting Guidance 3 in 2001, the category classification system (Cat) was abolished to conform to European Standard EN 12464-1.
This British Standard classified luminaires in three luminance categories: C0-180, C90-270, C135-315 and C225-45.
CIBSE LG3 Cat 1 if luminance was lower than 200 cd/m² starting at a 55° observation angle γ.
CIBSE LG3 Cat 2 if luminance was lower than 200 cd/m² starting at a 65° observation angle γ.
CIBSE LG3 Cat 3 if luminance was lower than 200 cd/m² starting at a 75° observation angle γ.

Colored Filters

The use of colored filters in a luminaire modifies its photo-colorimetric features, for example the color temperature of the light bulb, adapting it for accent lighting or for a special setting.
The use of filters also reduces the luminous output which can vary depending on the filter’s characteristics.

Eulumdat Files

The Eulumdat files of all the FLOS luminaires are available on our website www.flos.com, so they can be used in technical lighting calculations.

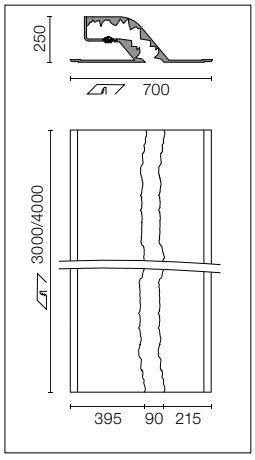
SOFT ARCHITECTURE

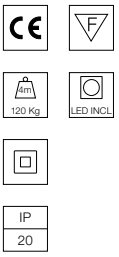
Wall Rupture, Juncos, Soft Spun,
Abajourd'hui, G-O In, Teardrop, Uso,
Round, Square & Vertical Light.

Wall Rupture

Wall Rupture Designed By Thierry Dreyfus

LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K





Einbauleuchte für die Wandmontage mit Soft Technologie. LED-Module mit unterschiedlichen Farbtemperaturen je nach Raumausstattung sowie Systeme ohne Dimmer sind eingeschlossen. Inklusive 220/240V-Netzteil.

Für eine persönliche konfiguration setzen sie sich bitte mit dem verkaufsteam von Flos architectural in verbindung.

Soft technology wall-mounted, recessed luminaire. LED modules to emit lights with different colour temperature depending on décor; non-dimmable gear included. 220/240V power supply included.

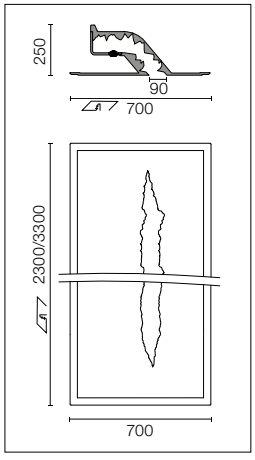
For personal configuration ask Flos architectural sales team.

Profile

3m
SA.2423.5A145
SA.2423.5A165
4m
SA.2424.5A145
SA.2424.5A165

Wall Rupture with End caps Designed By Thierry Dreyfus

LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K



End cap

2,3m
SA.2453.5A145
SA.2453.5A165
3,3m
SA.2454.5A145
SA.2454.5A165

WINNER 2011

Juncos

Juncos 1L

Juncos 3L

Juncos 6L

Juncos 9L

Soft Spun

Soft Spun Small

Soft Spun Large

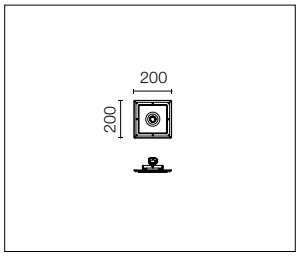
Abajourd'hui

Abajourd'hui Small

Abajourd'hui Large

Juncos Designed By Flos Soft Architecture

Juncos 1L



0,70 Kg

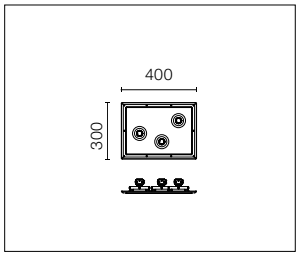
LED-Halbeinbauleuchte für Innenräume. In Verbindung mit der Soft Architecture Technologie integriert sie sich perfekt in den Architekturraum. Ohne Netzgerät. Siehe Treiber auf der nächsten Seite.

Produkt mit Vorverkabelung zum Anschluss an Konstantstrom.

Semi-recessed LED luminaire for indoor applications. Seamless integration in the architectural environment by Soft Architecture technology. Power supply not included. See driver in next page.

Pre-wired product to be connected to constant current.

Juncos 3L

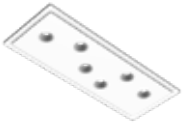


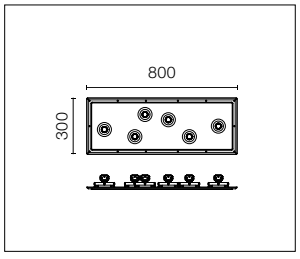
2,90 Kg

Produkt mit Reihenschaltung-Vorverkabelung zum Anschluss an Konstantstrom.

Pre-wired product for serial connection to constant current.

Juncos 6L



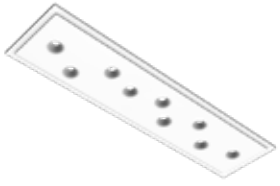


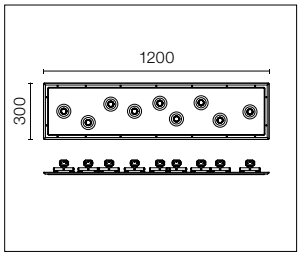
5,80 Kg

Produkt mit Reihenschaltung-Vorverkabelung zum Anschluss an Konstantstrom.

Pre-wired product for serial connection to constant current.

Juncos 9L





8,70 Kg

Produkt mit Reihenschaltung-Vorverkabelung zum Anschluss an Konstantstrom.

Pre-wired product for serial connection to constant current.

Soft Platte / Soft Plate

Juncos 1L
☐ SA.5200.5.120

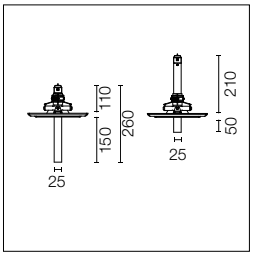
Juncos 3L
☐ SA.5201.5.120

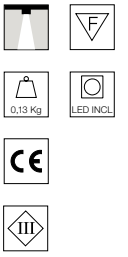
Juncos 6L
☐ SA.5202.5.120

Juncos 9L
☐ SA.5203.5.120

Junco 250 mm

Power LED DC 700 mA - 2,1W - 216 lm - 3000K/CRI 80 / 2,1W - 182 lm- 2700K/CRI 90

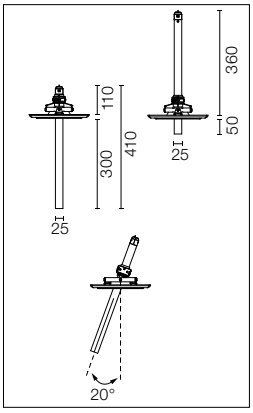


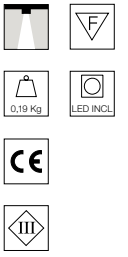


Vielseitige Leuchte.Individuell ausrichtbar und regulierbare Einbautiefe. Erhältlich in Schwarz, Weiß und Chrom.
Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber".

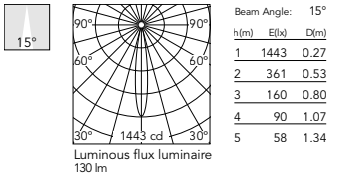
Luminaire that offers many possibilities. Can be individually focused and their recessed height is adjustable. Available in a black, white and chrome finish.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Junco 400 mm





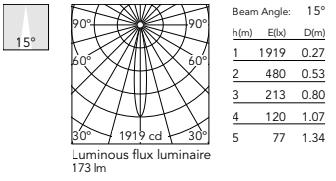
Junco 250 mm
2700K
08.8595.40A
08.8595.06A
08.8595.AAA



Luminous flux luminaire
130 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1443	0.27
2	361	0.53
3	160	0.80
4	90	1.07
5	58	1.34

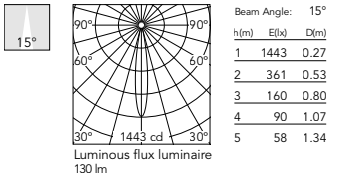
3000K
08.8590.40A
08.8590.06A
08.8590.AAA



Luminous flux luminaire
173 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1919	0.27
2	480	0.53
3	213	0.80
4	120	1.07
5	77	1.34

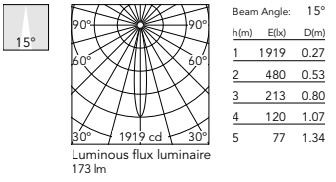
Junco 400 mm
2700K
08.8596.40A
08.8596.06A
08.8596.AAA



Luminous flux luminaire
130 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1443	0.27
2	361	0.53
3	160	0.80
4	90	1.07
5	58	1.34

3000K
08.8591.40A
08.8591.06A
08.8591.AAA



Luminous flux luminaire
173 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1919	0.27
2	480	0.53
3	213	0.80
4	120	1.07
5	77	1.34

Treiber für die serielle Verbindung / Drivers for Serial Connection

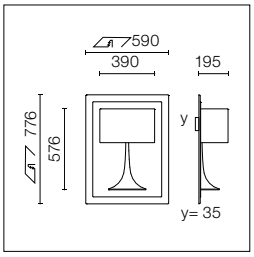
DIM Protocol	1L	3L	6L	9L
Non Dimmable	60.9592			
Non Dimmable	60.9408			
Non Dimmable - UL	60.8911			
Dimmable 1-10V - Push - UL	60.9188			-
Dimmable Dali	60.9222			
Casambi	-	60.7785	60.7785	60.7785
Mains Dimming	60.9379	60.9379	60.9692	60.9692

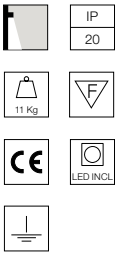
* Siehe Treiberkapitel / Refer to the Drivers chapter

Maximale entfernung des LED-geräts / Max. distance from LED driver Konstantstromgerät / constant current driver (700ma)			
Entfernung / Distance	10 m	20 m	50 m
Kabelquerschnitt / Cable section	0,5mm²	1mm²	2,5mm²

Soft Spun LED Small Designed By Sebastian Wrong

LED White 35W - 1800 lm - 3000K/CRI 90





Einbauleuchte für LED-Lampe. Netzteil 220/240V ohne Dimmer eingeschlossen.

Siehe Katalog Flos Decorative Collection.

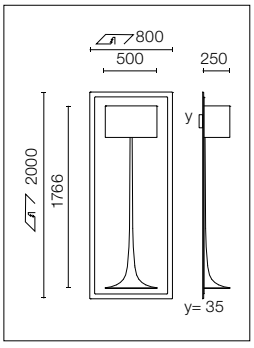
Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

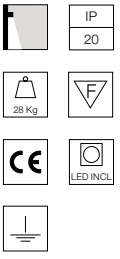
See Flos Decorative Collection catalogue.

SA.5006.1F

Soft Spun LED Large Designed By Sebastian Wrong

LED White 35W - 1800 lm - 3000K/CRI 90 (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)





Einbauleuchte für LED-Lampe. Netzteil 220/240V ohne Dimmer eingeschlossen.

Siehe Katalog Flos Decorative Collection.

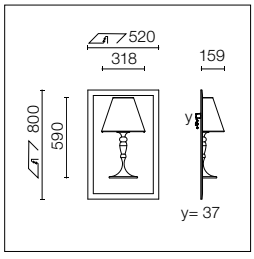
Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

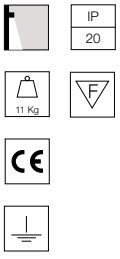
See Flos Decorative Collection catalogue.

SA.5007.1F

Abajourd'hui Small Designed By Flos Soft Architecture

QT-32 E27 - max 75W





Einbauleuchte mit direktem Netzanschluss. Ausgeschlossene Lichtquelle. Muss separat bestellt werden.

Siehe Katalog Flos Decorative Collection.

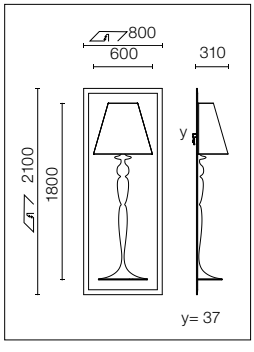
Recessed luminaire with direct connection to mains. Excluded light source. To be ordered separately.

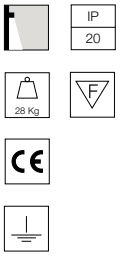
See Flos Decorative Collection catalogue.

SA.5001.1

Abajourd'hui Large Designed By Flos Soft Architecture

QT-32 E27 - max 150W





Einbauleuchte mit direktem Netzanschluss.

Siehe Katalog Flos Decorative Collection.

Recessed luminaire with direct connection to mains.

See Flos Decorative Collection catalogue.

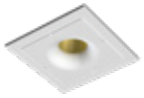
SA.5000.1

G-O In

Teardrop Small / Medium

USO

USO Kap 105



USO 332

USO 700

USO 800

USO 1000

USO 1400

USO Cove Lighting

USO 900 Cove Lighting

USO 1700 Cove Lighting

USO 2200 Cove Lighting

USO 2500 Cove Lighting

USO 100 50 Cove Lighting

USO 140 90 Cove Lighting

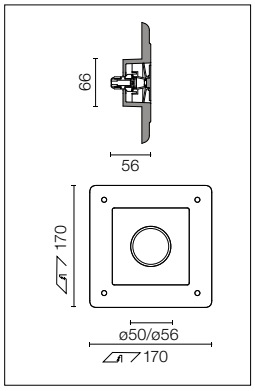
Round Light Small

Square Light Small / Large

Vertical Light Small / Large

G-O In Designed By Jorge Herrera

Top LED 1,2W - 24V - 105 lm - 3000K/CRI 90



Einbau-Hinweisleuchte für Innenräume. Netzteil nicht eingeschlossen: Elektronischer Transformator für LED mit beständiger Spannung (24V). 220/240V, 50/60Hz. Netzkabel 1000mm eingeschlossen.

Recessed sign luminaire for indoor application. Power supply source not included: electronic transformer with constant voltage (24V) for LED. 220/240V, 50/60Hz. It includes 1000mm power supply cable.

Weiss Licht / White Light
SA.5100.1A
Amber Licht / Amber Light
SA.5101.1A
Blau Licht / Blue Light
SA.5102.1A

Perimetrales Licht
Lighting Colours

☐ Weiss
White

Amber
Amber

Blau
Blue

Empfohlene Netzgeräte / Recommended power supply*:

Non Dimmable 110-240V	60.9157 (8W)
Non Dimmable 220-240V	60.8703 (25W)
Dali Controler	60.9678A

* Siehe Treiberkapitel / Refer to the Drivers chapter

Dali Controler	60.9766
1-10V Controler	60.8640

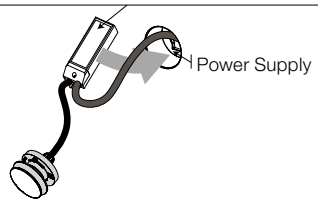
* Siehe Steuereinheit unten / Refer to Control Units bellow

Für die DALI-Installation ist ein nicht dimmbares Gerät sowie eine DALI-Steuerung erforderlich.

For Dali installation, the non-dimmable kit and the Dali controller are needed.

Achten Sie auf die korrekte Polung (+-) Rot+/Schwarz.

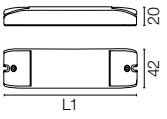
Ensure correct polarity (+-) Red +/ Black.



Steuereinheit / Control Units

Steuereinheit für Dimmung; 1-Kanal-Steuerung für 24V-LED-Module; Netzgerät nicht inbegriffen. Max. 120W - 5A.

Dimmable control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.



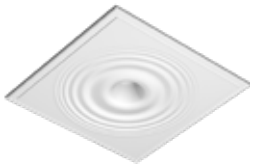
1-10V
60.8640
L1: 172

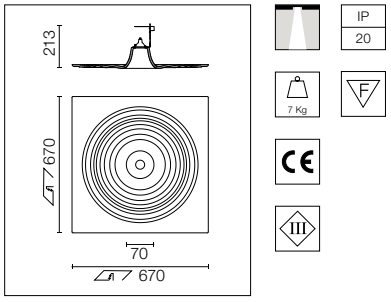
DALI
60.9766
L1: 181

reddot design award
winner 2013

Teardrop Small Designed By Calvi Brambilla

LED QR-CBC-51 1xGU5.3





Einbauleuchte für 12 V LED-Retrofit-Lampe. Transformator mit Fernbedienung nicht eingeschlossen: Elektronischer Transformator 12V. 220/240V, 50/60Hz mit trailing edge Dimmer. Produkte zur Netzdimmung – Lesen Sie bitte den Haftungsausschluss zur Netzdimmung im Kapitel „Treiber“.

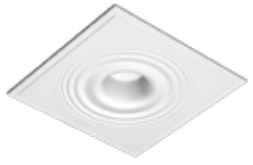
Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included: electronic transformer 12V. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”.

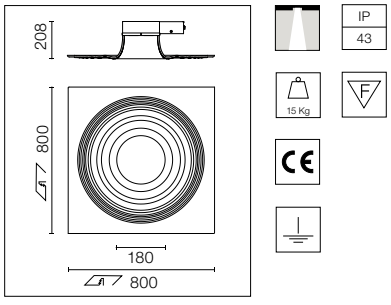
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

SA.1039.1

Teardrop Medium Designed By Calvi Brambilla

TC-DEL 2xG24q - 26W



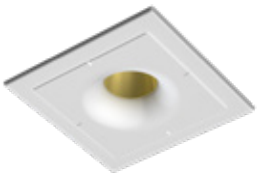


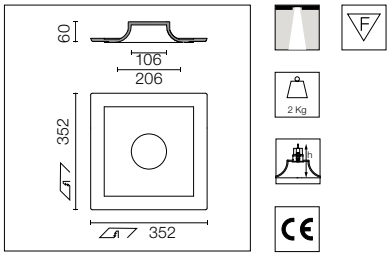
Einbauleuchte für Leuchtstofflampe. Vorschaltgeräte 220-240V / 50-60Hz ohne Dimmer eingeschlossen.

Recessed luminaire for fluorescent lamp. Non-dimmable ballasts 220-240V / 50-60Hz integrated.

SA.1040.1

USO Kap 105 Designed By Flos Soft Architecture





Architektonische Anwendung mit Soft Technologie. Ermöglicht die perfekte Integration der Flos architectural Produkte.
Zur persönlichen konfiguration können sie lichtquellen in die struktur einfügen. Fragen sie das verkaufsteam von Flos architectural.

Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Referenzen enthalten keine produkte von Flos architectural.

References do not include Flos architectural products.

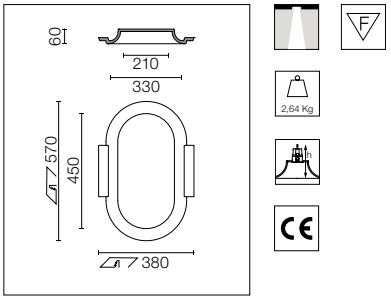
SA.1034.3.116

Empfohlene Produkte von Flos architectural / Flos architectural Recommended Products

Kap Ø105*
SA.1034.3.116 h=290

* No Trim Rahmen eingeschlossen / Frame No Trim included

USO 332 Designed By Flos Soft Architecture



Architektonische Anwendung mit Soft Technologie für Moduldecken. Ermöglicht die perfekte Integration der Flos architectural Produkte.
Zur persönlichen konfiguration können sie lichtquellen in die struktur einfügen. Fragen sie das verkaufsteam von Flos architectural.

Soft technology architectonic application for modular ceilings that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Referenzen enthalten keine produkte von Flos architectural.

References do not include Flos architectural products.

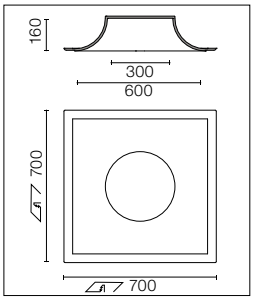
SA.1001.3.003

Empfohlene Produkte von Flos architectural / Flos architectural Recommended Products

Wan Downlight*
SA.1001.3.003 h=171

* No Trim Rahmen nicht inbegriffen. Muss separat bestellt werden /
* No Trim Frame excluded. To be ordered separately

USO 700 Designed By Flos Soft Architecture



Architektonische Anwendung mit Soft Technologie. Ermöglicht die perfekte Integration der Flos architectural Produkte.
Zur persönlichen konfiguration können sie lichtquellen in die struktur einfügen. Fragen sie das verkaufsteam von Flos architectural.

Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Referenzen enthalten keine produkte von Flos architectural.

References do not include Flos architectural products.

SA.1002.3.102
SA.1002.3.003
SA.1002.3.116

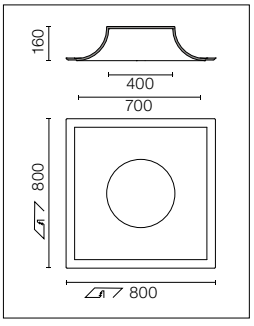
Empfohlene Produkte von Flos architectural / Flos architectural Recommended Products

Easy Kap Ø105	Wan Downlight	Kap Ø105*
SA.1002.3.102 H=296	SA.1002.3.003 H=271	SA.1002.3.116 H=298

* No Trim Rahmen eingeschlossen / Frame No Trim included

No Trim Rahmen nicht inbegriffen. Muss separat bestellt werden /
No Trim Frame excluded. To be ordered separately

USO 800 Designed By Flos Soft Architecture



Architektonische Anwendung mit Soft Technologie. Ermöglicht die perfekte Integration der Flos architectural Produkte.
Zur persönlichen konfiguration können sie lichtquellen in die struktur einfügen. Fragen sie das verkaufsteam von Flos architectural.

Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Referenzen enthalten keine produkte von Flos architectural.

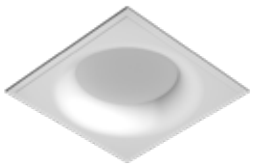
References do not include Flos architectural products.

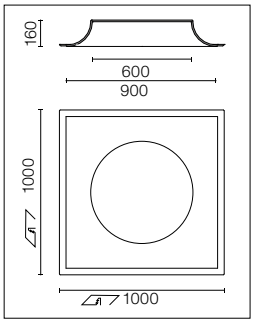
SA.1003.3.003
SA.1003.3.004

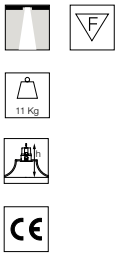
Empfohlene Produkte von Flos architectural / Flos architectural Recommended Products

Wan Downlight	Wan Spot
SA.1003.3.003 H=271	SA.1003.3.004 H=210

USO 1000 Designed By Flos Soft Architecture







Architektonische Anwendung mit Soft Technologie. Ermöglicht die perfekte Integration der Flos architectural Produkte.
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Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Referenzen enthalten keine produkte von Flos architectural.

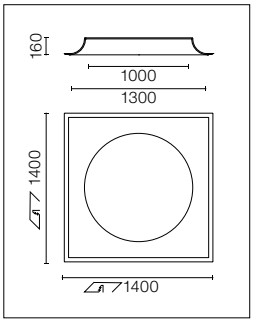
References do not include Flos architectural products.

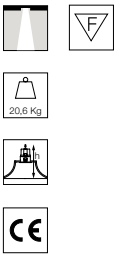
SA.1004.3.102
SA.1004.3.003
SA.1004.3.004

Empfohlene Produkte von Flos architectural / Flos architectural Recommended Products

Easy Kap Ø105	Wan Downlight	Wan Spot
SA.1004.3.102 H=296	SA.1004.3.003 H=271	SA.1004.3.004 H=210

USO 1400 Designed By Flos Soft Architecture





Architektonische Anwendung mit Soft Technologie. Ermöglicht die perfekte Integration der Flos architectural Produkte.
Zur persönlichen konfiguration können sie lichtquellen in die struktur einfügen. Fragen sie das verkaufsteam von Flos architectural.

Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Referenzen enthalten keine produkte von Flos architectural.

References do not include Flos architectural products.

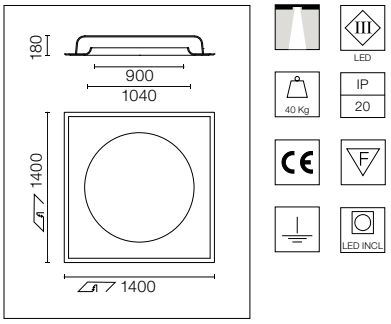
SA.1005.3.102
SA.1005.3.003
SA.1005.3.004

Empfohlene Produkte von Flos architectural / Flos architectural Recommended Products

Easy Kap Ø105	Wan Downlight	Wan Spot
SA.1005.3.102 H=296	SA.1005.3.003 H=271	SA.1005.3.004 H=210

USO 900 Cove Lighting Designed By Flos Soft Architecture

T5 FH 4xG5 - 21W - 7600 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K/CRI 85
LED White 75,6W - 21x3,6W - 7875 lm - 3000K/CRI 90 / LED RGB 75,6W - 21x3,6W



Deckeneinbauleuchte. Direkte Beleuchtung mit Leuchtstofflampen, Kaltkathode oder LED. Betriebsgeräte bei den LED-Versionen nicht eingeschlossen.

Siehe LED-Steuergeräte.

Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

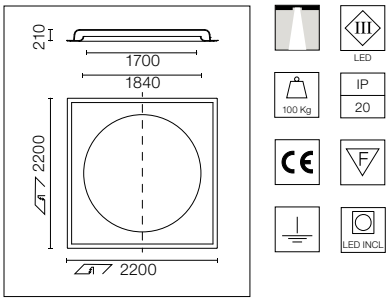
Cold Cathode
SA.1006.4.300

LED RGB
SA.1006.6E100

LED White
SA.1006.5E110

USO 1700 Cove Lighting Designed By Flos Soft Architecture

T5 FH 8xG5 - 21W - 15200 lm / Cold Cathode 161W - 4x40W - 13824 lm - 3000K/CRI 85
LED White 136,8W - 38x3,6W - 14250 lm - 3000K/CRI 90 / LED RGB 136,8W - 38x3,6W



Deckeneinbauleuchte. Direkte Beleuchtung mit Leuchtstofflampen, Kaltkathode oder LED. Betriebsgeräte bei den LED-Versionen nicht eingeschlossen.

Siehe LED-Steuergeräte.

In zwei teilen geliefert.

Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

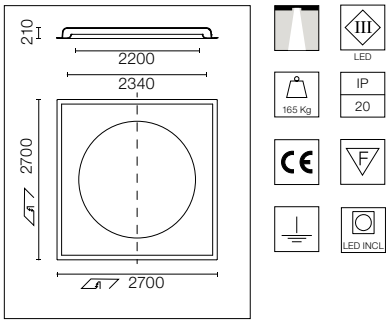
Delivered in two pieces.

LED RGB
SA.1007.6E100

LED White
SA.1007.5E110

USO 2200 Cove Lighting Designed By Flos Soft Architecture

T5 FH 8xG5 - 28W - 20800 lm / T5 FQ 8xG5 - 54W - 35600 lm / Cold Cathode 205W - 4x51W - 17568 lm - 3000K/CRI 85
LED White 180W - 50x3,6W - 18750 lm - 3000K/CRI 90 / LED RGB 180W - 50x3,6W



Deckeneinbauleuchte. Direkte Beleuchtung mit Leuchtstofflampen, Kaltkathode oder LED. Betriebsgeräte bei den LED-Versionen nicht eingeschlossen.

Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

Siehe LED-Steuergeräte.

See LED drivers.

In zwei teilen geliefert.

Delivered in two pieces.

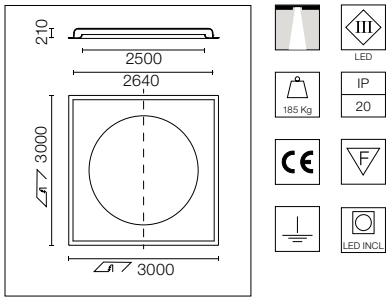
Cold Cathode
SA.1008.4.300

LED RGB
SA.1008.6E100

LED White
SA.1008.5E110

USO 2500 Cove Lighting Designed By Flos Soft Architecture

T5 FH 8xG5 - 28W - 20800 lm / T5 FQ 8xG5 - 54W - 35600 lm / Cold Cathode 230W - 19728 lm - 3000K/CRI 85
LED White 194W - 54x3,6W - 20250 lm - 3000K/CRI 90 / LED RGB 194W - 54x3,6W



Deckeneinbauleuchte. Direkte Beleuchtung mit Leuchtstofflampen, Kaltkathode oder LED. Betriebsgeräte bei den LED-Versionen nicht eingeschlossen.

Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

Siehe LED-Steuergeräte.

See LED drivers.

In zwei teilen geliefert.

Delivered in two pieces.

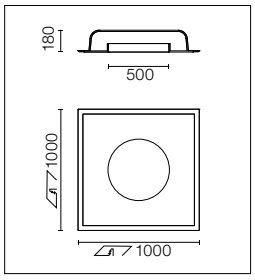
Cold Cathode
SA.1009.4.300

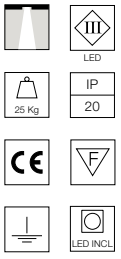
LED RGB
SA.1009.6E100

LED White
SA.1009.5E110

USO 100 50 Cove Lighting Designed By Flos Soft Architecture

T5 FH 4xG5 - 14W - 4800 lm / T5 FQ 4xG5 - 24W - 7000 lm / Cold Cathode 58W - 3x19W - 4968 lm - 3000K/CRI 85
LED White 57,6W - 16x3,6W - 6000 lm - 3000K/CRI 90 / LED RGB 57,6W - 16x3,6W





Deckeneinbauleuchte. Direkte Beleuchtung mit Leuchtstofflampen, Kaltkathode oder LED. Betriebsgeräte bei den LED-Versionen nicht eingeschlossen.

Siehe LED-Steuergeräte.

Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

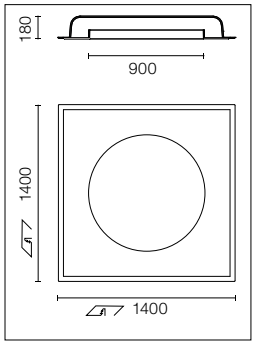
Cold Cathode
SA.1010.4.300

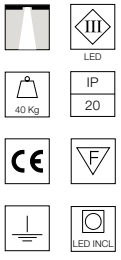
LED RGB
SA.1010.6E100

LED White
SA.1010.5E110

USO 140 90 Cove Lighting Designed By Flos Soft Architecture

T5 FH 4xG5 - 21W - 7600 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K/CRI 85
LED White 75,6W - 21x3,6W - 7805 lm - 3000K/CRI 90 / LED RGB 75,6W - 21x3,6W





Deckeneinbauleuchte. Direkte Beleuchtung mit Leuchtstofflampen, Kaltkathode oder LED. Betriebsgeräte bei den LED-Versionen nicht eingeschlossen.

Siehe LED-Steuergeräte.

Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

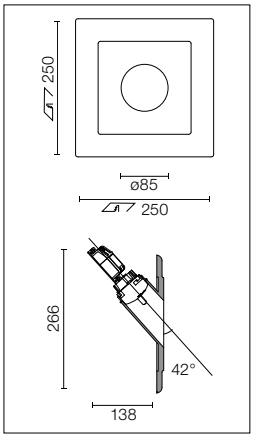
See LED drivers.

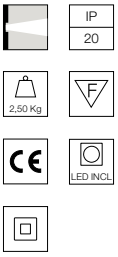
LED RGB
SA.1011.6E100

LED White
SA.1011.5E110

Round Light Small Designed By Flos Soft Architecture

LED White 1W - 60 lm - 3000K/CRI > 90





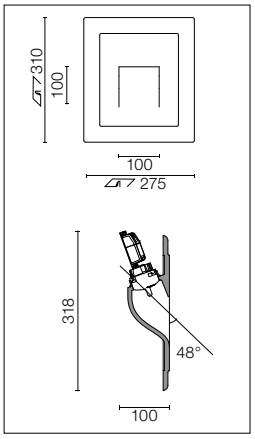
Einbau-Hinweisleuchte für Innenräume. Netzteil 100/240V eingeschlossen.

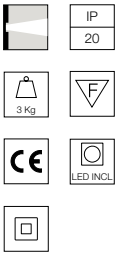
Recessed sign luminaire for indoor application. 100/240V power supply source included.

SA.3010.1C

Square Light Small Designed By Flos Soft Architecture

LED White 1W - 60 lm - 3000K/CRI > 90





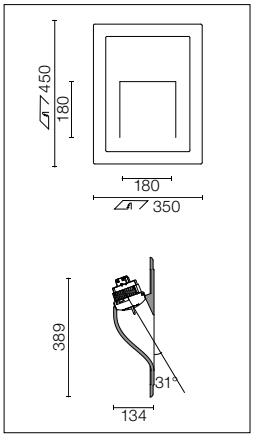
Einbau-Hinweisleuchte für Innenräume. Netzteil 100/240V eingeschlossen.

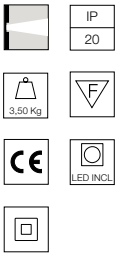
Recessed sign luminaire for indoor application. 100/240V power supply source included.

SA.3013.1C

Square Light Large Designed By Flos Soft Architecture

LED White 7W - 720 lm - 3000K/CRI > 80





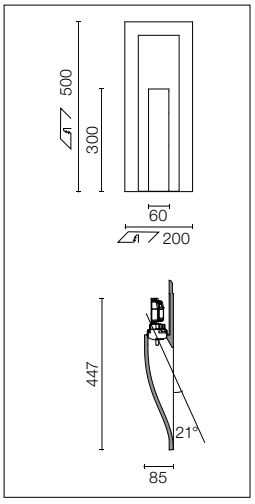
Einbau-Hinweisleuchte für Innenräume. Netzteil 100/240V eingeschlossen.

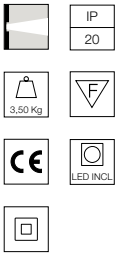
Recessed sign luminaire for indoor application. 100/240V power supply source included.

SA.3014.1B

Vertical Light Small Designed By Flos Soft Architecture

LED White 1W - 60 lm - 3000K/CRI > 90





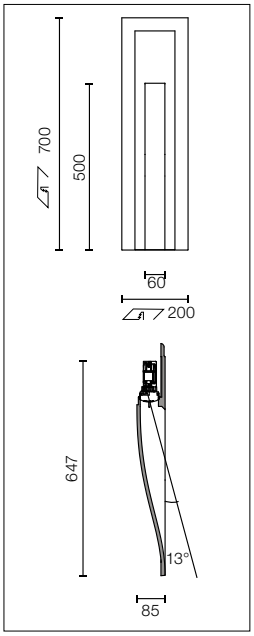
Einbau-Hinweisleuchte für Innenräume. Netzteil 100/240V eingeschlossen.

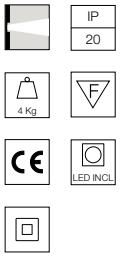
Recessed sign luminaire for indoor application. 100/240V power supply source included.

SA.3015.1C

Vertical Light Large Designed By Flos Soft Architecture

LED White 1W - 60 lm - 3000K/CRI > 90





Einbau-Hinweisleuchte für Innenräume. Netzteil 100/240V eingeschlossen.

Recessed sign luminaire for indoor application. 100/240V power supply source included.

SA.3016.1C

For: USO Cove Lighting: USO 900 C.L., USO 1700 C.L., USO 2200 C.L., USO 2500 C.L., USO 100 50 C.L., USO 140 90 C.L.

Verkabelung
Wiring

500 mm Einspeisungskabel mit schneller Verbindung.
Stromversorgung nicht enthalten.

500mm feed cable with fast connection.
Electronic power supply not included.

White	06.1016.00
RGB	06.1049.00

2-Meter-Verlängerungskabel für LED-Module mit einfache Verbindung. Können verbunden werden, um die Länge zu vergrößern. Max. 20 Meter.

2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.

White	08.8297.00
RGB	08.8298.00

Dimmbare Schnittstelle
Dimmable Interface

1-10V Master & PWM Repeater

Dimmbare Schnittstelle. Stromversorgung nicht enthalten.

Dimmable interface. Electronic power supply not included.

White	06.1022.00E

DALI Master

DALI Master mit 300 mm Einspeisungskabel für eine einfache Verbindung. Kann ein USO kontrollieren. Wenn mehr USOs in der Installation benutzt werden, ist es nötig, das Signal mit Slave-Schnittstellen zu erweitern. Stromversorgung nicht enthalten.

DALI Master interface with one 300mm feed cable for easy connection. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

White	06.1019.00E
RGB	06.1012.00E

DMX Master

DMX Master mit 300 mm Einspeisungskabel für schnelle Verbindung. Kann ein USO kontrollieren. Wenn mehr USOs in der Installation benutzt werden, ist es nötig, das Signal mit Slave-Schnittstellen zu erweitern. Stromversorgung nicht enthalten.

DMX Master interface with one 300mm feed cable for easy connection. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

RGB	06.1005.00E

RF Master

Radiofrequenz (RF) RGB Master mit 300 mm Einspeisungskabel für eine einfache Verbindung. Wandtransmitter zum Farbenwechsel enthalten. Kann ein USO kontrollieren. Wenn mehr USOs in der Installation benutzt werden, ist es nötig, das Signal mit Slave-Schnittstellen zu erweitern. Stromversorgung nicht enthalten.

Radio Frequency (RF) RGB Master interface with one 300mm feed cable for easy connection. Wall transmitter to make color changing integrated. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

RGB	06.1013.00E

DALI, DMX & RF. Slave

Slave-Schnittstelle, um das Kontrollsignal zu erweitern. Kann das Mastersignal in mehreren USOs erweitern. Stromversorgung nicht enthalten.

Slave interface to expand the control signal. It's able to expand the Master signal in several USOs. Electronic power supply not included.

White	06.1020.00E
RGB	06.1014.00E

Casambi

Kabellose dimmbare Schnittstelle. Stromversorgung nicht enthalten. Kabellose dimmbare Schnittstelle.

Wireless Dimmable Interface. Electronic power supply not included. Interfaz Regulable Wireless.

White & RGB	60.9658

For: USO Cove Lighting: USO 900 C.L., USO 1700 C.L., USO 2200 C.L., USO 2500 C.L., USO 100 50 C.L., USO 140 90 C.L.

Stromversorgung
Power Suply

Elektronische 100W / Electronic 100W
LED-Stromversorgung 100 W-24 V. 100-240 V, 50-60 Hz.

LED Power supply 100W – 24V. 100-240V, 50-60Hz. 60.9443

Elektronische 200W / Electronic 200W
LED-Stromversorgung. 200 W – 24 V. 100-240 V, 50-60 Hz.

LED Power supply. 200W – 24V. 100-240V, 50-60Hz. 60.9352

Elektronische 240W / Electronic 240W
LED-Stromversorgung. 240 W – 24 V. 100-240 V, 50-60 Hz.

LED Power supply. 240W – 24V. 100-240V, 50-60Hz. 60.8268

USO Cove Lighting

Installationsanleitung. Einzelprodukt.
Configuration Guidelines. Single Individual Product.

Für mehrere Produkte oder einer komplexeren Installation, kontaktieren Sie bitte die technische Abteilung. Für mehr detaillierte Informationen, bitte sehen Sie die Anleitung ein.
For multiple product or a more complex configuration, please consult the technical department. For more detailed information, please refer to the instruction sheet.

REFERENCE	POWER (W)	LED MODULES	POWER SUPPLY 24Vdc	Max. Distance			LED WHITE				RGB			
				PS-⊘	M-S	⊘-⊘⊘⊘⊘	NO DIM	1-10V	DALI	CASAMBI	DALI	DMX	RF	CASAMBI
							(12 LED modules x feed cable)	(8 LED modules x feed cable)		(10 LED modules x feed cable)	(12 LED modules x feed cable)*			(12 LED modules x feed cable)
USO 100 50 Cove Lighting WHT: SA.1010.5E110 RGB: SA.1010.6E100	58	12 + 4 for corners (16)	1x 100W 60.9443	15m (0,75mm)	20m	20m	2x 06.1016.00 FEED CABLE	2x 06.1016.00 FEED CABLE + 1x 06.1022.00E MASTER 1-10V	2x 06.1016.00 FEED CABLE + 1 x 06.1022.00E REPEATER PWM + 1x 06.1019.00E DALI MASTER	2x 06.1016.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER	2x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER
USO 140 90 Cove Lighting WHT: SA.1011.5E110 RGB: SA.1011.6E100 USO 900 Cove Lighting WHT: SA.1006.5E110 RGB: SA.1006.6E100	76	17 + 4 for corners (21)	1x 100W 60.9443	15m (0,75mm)	20m	20m	2x 06.1016.00 FEED CABLE	3x 06.1016.00 FEED CABLE + 1x 06.1022.00E MASTER 1-10V	3x 06.1016.00 FEED CABLE + 1 x 06.1022.00E REPEATER PWM + 1x 06.1019.00E DALI MASTER + 1 x 08.8297.00 2m CABLE WHT	3x 06.1016.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER + 1 x 08.8297.00 2m CABLE WHT	2x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 1x 06.1014.00E SLAVE RGB	3x 06.1049.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER + 1 x 08.8297.00 2m CABLE WHT
USO 1700 Cove Lighting WHT: SA.1007.5E110 RGB: SA.1007.6E100	137	30 + 8 for corners (38)	1x 200W 60.9352	40m (1 mm)	20m	20m	4x 06.1016.00 FEED CABLE	6x 06.1016.00 FEED CABLE + 2 x 06.1022.00E MASTER 1-10V + 4 x 08.8297.00 2m CABLE	6x 06.1016.00 FEED CABLE + 1x 06.1019.00E DALI MASTER + 1x 06.1020.00E SLAVE WHT + 2x 06.1022.00E REPEATER PWM + 6 x 08.8297.00 2m CABLE WHT	4x 06.1016.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 6 x 08.8297.00 2m CABLE WHT	4x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 2x 06.1014.00E* SLAVE RGB + 6 x 08.8298.00 2m CABLE RGB	3x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 2x 06.1014.00E* SLAVE RGB + 6 x 08.8298.00 2m CABLE RGB	3x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 2x 06.1014.00E* SLAVE RGB + 6 x 08.8298.00 2m CABLE RGB	4x 06.1049.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 6 x 08.8297.00 2m CABLE WHT
USO 2200 Cove Lighting WHT: SA.1008.5E110 RGB: SA.1008.6E100	180	38 + 12 for corners (50)	1x 240W 60.8268	40m (1 mm)	20m	20m	5x 06.1016.00 FEED CABLE	8x 06.1016.00 FEED CABLE + 2x 06.1022.00E MASTER 1-10V + 6 x 08.8297.00 2m CABLE	8x 06.1016.00 FEED CABLE + 1x 06.1019.00E DALI MASTER + 1x 06.1020.00E SLAVE WHT + 2x 06.1022.00E REPEATER PWM + 8 x 08.8297.00 2m CABLE WHT	6x 06.1016.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 4 x 08.8297.00 2m CABLE WHT	5x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 2x 06.1014.00E* SLAVE RGB + 8 x 08.8298.00 2m CABLE RGB	5x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 2x 06.1014.00E* SLAVE RGB + 8 x 08.8298.00 2m CABLE RGB	5x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 2x 06.1014.00E* SLAVE RGB + 8 x 08.8298.00 2m CABLE RGB	6x 06.1049.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 4 x 08.8297.00 2m CABLE WHT
USO 2500 Cove Lighting WHT: SA.1009.5E110 RGB: SA.1009.6E100	194	42 + 12 for corners (54)	1x 240W 60.8268	40m (1 mm)	20m	20m								
* For USO 2500 Cove Lighting RGB - 1st Slave: 12 + 12 LED modules 2nd Slave: 10 + 10 +10 LED modules														
Note: WHITE: Max. 8 modules per cable RGB: Max. 12 modules per cable. Max. 30 Modules per Slave CASAMBI : Max. 32 modules WHITE or 36 modules RGB per interface														

PHYSIKALISCHE EIGENSCHAFTEN

Wasserdichtheit
Das Material ist für alle Anwendungszwecke in Innenbereichen geeignet und absorbiert keine Feuchtigkeit, auch wenn überschüssige Feuchtigkeit vorhanden ist. Das Material darf nicht im Freien verwendet werden.

Test des Brandverhaltens für Bauprodukte
Das Soft-Architecture-Produkt ist als A1 oder A1fl klassifiziert, gemäß UNE-EN 13501-1: 07 und wurde gemäß den Verfahren der Normen UNE-EN ISO 1716:02 und UNE-EN ISO 1182:02 getestet.

Chemikalienbeständigkeit
Das Material darf keinen flüssigen Chemikalien oder geschmolzenen Kristallen ausgesetzt werden.

Wärmeisolierung
Der Wert der Wärmeleitfähigkeit des Materials darf 0,47 W/m. deg K nicht überschreiten.

Dichte
Das Material besitzt eine mittlere Dichte von 1323 Kg/m3.

Strukturelle Eigenschaften
Das Material muss die folgenden Eigenschaften besitzen (gemäß EN 13279-2:2006). Max. Biegelast: 139 N bei 7,2mm Dicke.
Druck: Maximale Druckfestigkeit größer sein als 10000N.
Härte: Shore-Härte C muss über 90 betragen.

PHYSICAL CHARACTERISTICS

Water Penetration
The material shall be suitable for all internal application, and shall not absorb moisture which may be present through excessive humidity. The material should not be used externally.

Reaction to Fire test for building products
The product Soft Architecture is classified as A1 or A1fl, according to UNE-EN 13501-1: 07, and test methods UNE-EN ISO 1716:02 and UNE-EN ISO 1182:02.

Chemical Resistance
The material shall not be exposed to liquid chemicals or deliquesced crystals.

Thermal Insulation
The material shall have a thermal conductivity value not greater than 0.47W/m. deg K.

Density
The material have a medium density of 1323 Kg/m3.

Structural Characteristics
The material shall have the following characteristics (following EN 13279-2:2006).
Flexion max load: 139N at 7.2mm thickness.
Compression: compression max load shall be bigger than 10000N.
Hardness: Shore C hardness shall be above 90.

MATERIALEIGENSCHAFTEN

Wasser-Ökoeffizienz
Für eine optimale Verarbeitbarkeit wird sauberes Trinkwasser in angemessenen Mengen verwendet.
Wasser wird zyklisch durch spezielle Filter wiederverwendet, um Umweltschäden vor der Entsorgung vorzubeugen.

Formtrennmittel
Es werden eigene Formtrennungsmittel integriert oder extern auf die Formoberfläche aufgebracht, um die Zykluszeit zu optimieren und ein einheitliches Oberflächenfinish zu erhalten. Diese Mittel dürfen keinen gegenteiligen Effekt auf die Oberfläche des produzierten Gegenstands haben.

FEATURES OF MATERIALS

Water Eco Efficiency
Clean water from drinking network is used in correct proportion to provide optimum workability. Water is cyclically re-used through special filters to prevent ecologic damages to nature before disposal.

Mould Release Agents
Propietary mould release agents are incorporated or applied externally to the mould surface, to optimize cycle time and to achieve consistency of surface finish. These agents shall not have any adverse effect upon the surface of the produced item.

DESIGN & HERSTELLUNG

Design
Für die Herstellung aller Komponenten wird modernste 3-D-Technologie verwendet. Sie werden mit einem vollständig dokumentierten Qualitätssicherungssystem designt und hergestellt, gemäß ISO 9001:2008.

DESIGN & MANUFACTURING

Design
Latest 3D technology has been applied to develop all components. They are being manufactured and designed in accordance with a fully documented quality assurance system complying with ISO 9001:2008.

QUALITÄTSKONTROLLE

Allgemein
Alle Komponenten werden individuell geprüft, um Oberflächen- oder Herstellungsfehler zu vermeiden.
Normen: UNE-EN 13815: 06; UNE-EN 14246: 07.

Rechtwinkligkeit
Alle Komponenten werden individuell geprüft, um in 500mm ab Ecke Herstellungsfehler, zu vermeiden, die größer sind als 0,5mm.

Ebenheit
Alle Komponenten werden individuell geprüft, um auf 1 m Herstellungsfehler zu vermeiden, die größer sind als 1mm.

Dicke
Alle Komponenten für durchgehende Decken werden individuell geprüft, um Abweichungen über 2mm von der durchschnittlichen Zieldicke zu vermeiden.

Maßtoleranz
Alle Komponenten werden individuell geprüft, um größere Maßabweichen als +/- 3mm zu vermeiden.
Weitere information auf www.soft-architecture.com.

Ausblühung
Alle Komponenten mit beleuchteten/sichtbaren Oberflächen werden individuell geprüft, um Lichtausblühungen zu vermeiden.

Handgefertig
Dieses Produkt wurde handgefertigt. Mögliche Mängel sind auf die Herstellung per Hand zurückzuführen.

QUALITY CONTROL

General
All components are individually inspected to prevent surface or manufacturing defects.
Normative: UNE-EN 13815: 06; UNE-EN 14246: 07.

Squareness
All components are individually inspected to prevent manufacturing defects bigger than 0.5mm to 500mm from corner.

Flatness
All components are individually inspected to prevent flatness manufacturing defects bigger than 1mm in 1m.

Thickness
All components for continuous ceilings are individually inspected to prevent changes bigger than 2mm in mean target thickness.

Dimensional Tolerance
All components are individually inspected to prevent dimensional tolerance above +/- 3mm.
For more info see www.soft-architecture.com.

Eflorescence
All components with illuminated/visible surface are individually inspected to prevent light eflorescence .

Handmade
This product has been manufactured by hand. Any imperfection is because of its handcrafted process.

1-10V
Die 1-10V-Steuereinheit ist eines der ersten und einfachsten elektronischen Geräte zur Beleuchtungssteuerung. Das Kontrollsignal besteht aus Gleichstrom zwischen einem und zehn Volt. Die Leistung der gesteuerten Leuchte muss so aufgeteilt werden, dass sie bei 10 V 100 % ihrer potentiellen Leistung liefert und 0 % Leistung bei 1 V. (“Aus”).

1-10V
1-10 V is one of the earliest and simplest electronic lighting control. The control signal is a DC voltage that varies between one and ten volts. The controlled lighting should scale its output so that at 10 V, the controlled light should be at 100% of its potential output, and at 1 V it should at 0% output (i.e. “Off”).

CRI
Der Farbwiedergabeindex (CRI) ist eine quantitative Maßeinheit für die Fähigkeit einer Lichtquelle, die Farben verschiedener Objekte im Vergleich zu idealer oder natürlicher Beleuchtung wahrheitsgetreu wiederzugeben. Lichtquellen mit einem hohen CRI sind insbesondere für Verwendungszwecke erwünscht, bei denen Farben eine entscheidende Rolle spielen.

CRI
The color rendering index (CRI) is a quantitative measure of the ability of a light source to reproduce the colors of various objects faithfully in comparison with an ideal or natural light source. Light sources with a high CRI are desirable in color-critical applications.

DALI
Das Digital Addressable Lighting Interface (DALI) ist ein technischer Standard für netzwerkbasierte Systeme, die die Beleuchtung in Gebäuden steuern. Das Standard-DALI umfasst das Kommunikationsprotokoll und das elektrische Interface für Netzwerke zur Beleuchtungssteuerung.

DALI
Digital Addressable Lighting Interface (DALI) is a technical standard for network-based systems that control lighting in buildings. The DALI standard encompasses the communications protocol and electrical interface for lighting control networks.

DIMMER
Dimmer sind Geräte, die zur Anpassung der Helligkeit einer Lichtquelle verwendet werden.

DIMMER
Dimmers are devices used to vary the brightness of a light.

DMX
DMX ist ein Standard für digitale Kommunikationsnetzwerke, die in der Regel für die Steuerung von Bühnenbeleuchtung verwendet werden. Ermöglicht die Programmierung der Farbregulierung und der Variation für RGB.

DMX
DMX is a standard for digital communication networks that are commonly used to control stage lighting. Allows to program the colour regulation and variation for RGB.

KELVIN
Kelvin ist die Bezeichnung der Maßeinheit für die Kontrolle der Temperatur von Lichtquellen. Die Farbtemperatur ist eine Eigenschaft von sichtbarem Licht, die eine wesentliche Rolle bei der Beleuchtung spielt, da sie angibt, ob das Licht warm ist (niedrige Farbtemperatur) oder kalt (niedrige Farbtemperatur).

KELVIN
The kelvin is used in the measure of the color temperature of light sources. Color temperature is a characteristic of visible light that has important applications in lighting because indicates if the light is warm (low color temperatures) or cold (high color temperatures).

LUMEN
Das Lumen (Symbol: lm) ist die SI-Einheit eines Lichtstroms, die Maßeinheit für die Lichtkraft, die vom menschlichen Auge wahrgenommen wird.

LUMEN
The lumen (symbol: lm) is the SI unit of luminous flux, a measure of the power of light perceived by the human eye.

MASTER INTERFACE
Ein Master-Interface ist ein elektronisches Gerät, das ein Signal (DALI/DMX/…) empfängt und ein moduliertes Signal für LEDs ausgibt. Es kann das Licht mit maximaler Last steuern.

MASTER INTERFACE
The master interface it is an electronic device which receives the signal (DALI/DMX/…) and returns a modulated signal for the LED. It’s able to control the light with a maximum power load.

POWER SUPPLY
Hierbei handelt es sich um ein Gerät, das einen oder mehrere “Stromverbraucher” mit Strom beliefert.

POWER SUPPLY
A power supply is a device that supplies electrical energy to one or more electric loads.

RGB
Das RGB-Farbmodell ist ein additiver Farbraum, in dem rotes, grünes und blaues Licht unterschiedlich gemischt wird, um zahlreiche Farben nachzubilden. Der Name des Modells ist auf die Initialen der drei additiven Grundfarben rot, grün und blau zurückzuführen.

RGB
The RGB color model is an additive color model in which red, green, and blue light are added together in various ways to reproduce a broad array of colors. The name of the model comes from the initials of the three additive primary colors, red, green, and blue.

SLAVE INTERFACE
Ein Slave-Interface wird verwendet, um das modulierte Signal des Master-Interface zu erwidern, wenn das Master-Interface einer Installation überlastet ist.

SLAVE INTERFACE
The slave interface is used to reply the modulated signal of the master interface in installations where the master is overloaded.

Hinweis: Die technischen Daten können ohne Vorankündigung geändert werden. Die Informationen entsprechen unseren derzeitigen Produktionsbedingungen und spiegeln die typischen Werte für die Parameter der Herstellungsspezifikation sowie die typischen Endnutzungszwecke wider. Wir übernehmen keinerlei Haftung oder Verantwortung für Schäden, die aus einer unangemessenen Verwendung zu nicht vorgesehenen Endnutzungszwecken resultieren.

Note: Technical data are subject to changes without any previous notice. Information is consistent with our current production conditions and reflects typical values relating to manufacturing specification parameters and for typical end uses. We accept no liability or responsibility for any damage caused by products incorrectly applied in non typical end uses.

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03.0702.40A	685	03.0732.40A	688	03.1201.ER	761	03.1240.ERB	766	03.2006.01B	657	03.2257.40	182
03.0702.40ANT	685	03.0732.CEA	688	03.1201.ES	761	03.1240.ESB	766	03.2006.01BDA	657	03.2258.14	182
03.0703.14A	685	03.0732.TKA	688	03.1205.DR	761	03.1241.DRB	766	03.2006.14B	657	03.2258.40	182
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03.0703.40A	685	03.0733.40A	688	03.1205.EQ	761	03.1241.EQB	766	03.2006.CUB	657	03.2261.14	176
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03.0707.40A	685	03.0742.40	690	03.1211.ER	762	03.1245.ERB	766	03.2211.14A	178	03.2281.14	177
03.0707.40ANT	685	03.0743.14	690	03.1211.ES	762	03.1245.ESB	766	03.2211.40A	178	03.2282.14	177
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03.0708.40ANT	684	03.0745.14	690	03.1215.ER	762	03.1246.ERB	766	03.2213.40A	178	03.2286.14	177
03.0709.14A	684	03.0745.40	690	03.1215.ES	762	03.1246.ESB	766	03.2215.14A	178	03.2287.14	177
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03.0710.14A	685	03.0760.TKA	687	03.1216.ER	762	03.1247.ERB	766	03.2217.14A	178	03.2291.14	177
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03.0713.14A	686	03.0763.TKA	687	03.1225.DR	760	03.1251.DRB	764	03.2225.14A	179	03.2303.40A	179
03.0713.14ANT	686	03.0764.14A	687	03.1225.DY	760	03.1251.DYB	764	03.2225.40A	179	03.2320.14	184
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03.0715.40ANT	686	03.0770.CEA	688	03.1230.DYB	765	03.1253.DYB	764	03.2231.40A	180	03.2331.14	185
03.0716.14A	686	03.0770.TKA	688	03.1230.EQB	765	03.1253.EQB	764	03.2232.14A	180	03.2331.40	185
03.0716.14ANT	686	03.0771.14A	688	03.1230.ERB	765	03.1253.ERB	764	03.2232.40A	180	03.2332.14	185
03.0716.40A	686	03.0771.40A	688	03.1230.ESB	765	03.1253.ESB	764	03.2233.14A	180	03.2332.40	185
03.0716.40ANT	686	03.0771.CEA	688	03.1231.DRB	765	03.1255.DRB	764	03.2233.40A	180	03.2333.14	185
03.0717.14A	686	03.0771.TKA	688	03.1231.DYB	765	03.1255.DYB	764	03.2235.14A	180	03.2333.40	185
03.0717.14ANT	686	03.0772.14A	688	03.1231.EQB	765	03.1255.EQB	764	03.2235.40A	180	03.3902.30E	588
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03.0718.14A	687	03.0772.TKA	688	03.1232.DRB	765	03.1256.DRB	764	03.2237.14A	180	03.3922.30E	588
03.0718.40A	687	03.0773.14A	688	03.1232.DYB	765	03.1256.DYB	764	03.2237.40A	180	03.3923.30E	588
03.0718.CEA	687	03.0773.40A	688	03.1232.EQB	765	03.1256.EQB	764	03.2238.14A	180	03.3924.30E	588
03.0718.TKA	687	03.0773.CEA	688	03.1232.ERB	765	03.1256.ERB	764	03.2238.40A	180	03.4153.74	637
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03.0719.40A	687	03.0774.14A	688	03.1233.DRB	765	03.1257.DRB	764	03.2240.40	182	03.4153.GL	637
03.0719.CEA	687	03.0774.40A	688	03.1233.DYB	765	03.1257.DYB	764	03.2241.14	182	03.4155.74	637
03.0719.TKA	687	03.0774.CEA	688	03.1233.EQB	765	03.1257.EQB	764	03.2241.40	182	03.4155.B1	637
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03.0720.TKA	687	03.0775.CEA	688	03.1235.DYB	765	03.1258.DYB	764	03.2243.40	182	03.4157.GL	637
03.0721.14A	687	03.0775.TKA	688	03.1235.EQB	765	03.1258.EQB	764	03.2245.14	182	03.4160.74	643
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03.4172.B1	637	03.4196.74.LE	645	03.4287.B1.LE	632	03.4540.74.LE	606	03.5901.18	775	03.5941.14	776
03.4172.B1.LE	639	03.4196.B1	644	03.4287.GL	630	03.4540.B1	604	03.5901.B1	775	03.5941.18	776
03.4172.GL	637	03.4196.B1.LE	645	03.4287.GL.LE	632	03.4540.B1.LE	606	03.5903.14	775	03.5941.B1	776
03.4172.GL.LE	639	03.4196.GL	644	03.4288.74	630	03.4540.GL	604	03.5903.18	775	03.5943.14	776
03.4176.74	633	03.4196.GL.LE	645	03.4288.B1	630	03.4540.GL.LE	606	03.5903.B1	775	03.5943.18	776
03.4176.74.LE	635	03.4197.74	644	03.4288.GL	630	03.4541.74	604	03.5904.14	775	03.5943.B1	776
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03.4178.74	633	03.4198.GL.LE	647	03.4294.B1	640	03.4542.GL.LE	609	03.5907.B1	775	03.5947.18	776
03.4178.74.LE	635	03.4199.74	646	03.4294.GL	640	03.4543.74	607	03.5908.14	775	03.5947.B1	776
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03.4178.B1.LE	635	03.4199.GL	646	03.4295.74.LE	642	03.4543.GL	607	03.5908.B1	775	03.5948.18	776
03.4178.GL	633	03.4200.74	640	03.4295.B1	640	03.4544.74	607	03.5909.14	775	03.5948.B1	776
03.4178.GL.LE	635	03.4200.74.LE	642	03.4295.B1.LE	642	03.4544.74.LE	609	03.5909.18	775	03.5949.14	776
03.4179.74	633	03.4200.B1	640	03.4295.GL	640	03.4544.B1	607	03.5909.B1	775	03.5949.18	776
03.4179.B1	633	03.4200.B1.LE	642	03.4295.GL.LE	642	03.4544.B1.LE	609	03.5910.14	778	03.5949.B1	776
03.4179.GL	633	03.4200.GL	640	03.4296.74	640	03.4544.GL	607	03.5910.18	778	03.5950.14	779
03.4180.74	597	03.4200.GL.LE	642	03.4296.B1	640	03.4544.GL.LE	609	03.5910.B1	778	03.5950.18	779
03.4180.74.LE	599	03.4201.74	640	03.4296.GL	640	03.4545.74	607	03.5911.14	778	03.5950.B1	779
03.4180.B1	597	03.4201.B1	640	03.4297.74	630	03.4545.B1	607	03.5911.18	778	03.5951.14	779
03.4180.B1.LE	599	03.4201.GL	640	03.4297.74.LE	632	03.4545.GL	607	03.5911.B1	778	03.5951.18	779
03.4180.GL	597	03.4208.74	636	03.4297.B1	630	03.4572.74	617	03.5913.14	778	03.5951.B1	779
03.4180.GL.LE	599	03.4208.B1	636	03.4297.B1.LE	632	03.4572.B1	617	03.5913.18	778	03.5953.14	779
03.4181.74	597	03.4208.GL	636	03.4297.GL	630	03.4572.GL	617	03.5913.B1	778	03.5953.18	779
03.4181.B1	597	03.4209.74	636	03.4297.GL.LE	632	03.5330.29	302	03.5914.14	778	03.5953.B1	779
03.4181.GL	597	03.4209.B1	636	03.4298.74	630	03.5330.40	302	03.5914.18	778	03.5954.14	779
03.4182.74	600	03.4209.GL	636	03.4298.B1	630	03.5330.AN	302	03.5914.B1	778	03.5954.18	779
03.4182.74.LE	602	03.4210.74	636	03.4298.GL	630	03.5331.29	302	03.5915.14	778	03.5954.B1	779
03.4182.B1	600	03.4210.B1	636	03.4520.11B	780	03.5331.40	302	03.5915.18	778	03.5955.14	779
03.4182.B1.LE	602	03.4210.GL	636	03.4520.ANB	780	03.5331.AN	302	03.5915.B1	778	03.5955.18	779
03.4182.GL	600	03.4211.74	636	03.4520.ASB	780	03.5332.29	302	03.5917.14	778	03.5955.B1	779
03.4182.GL.LE	602	03.4211.B1	636	03.4520.B3B	780	03.5332.40	302	03.5917.18	778	03.5957.14	779
03.4183.74	600	03.4211.GL	636	03.4521.11B	780	03.5332.AN	302	03.5917.B1	778	03.5957.18	779
03.4183.B1	600	03.4212.74	643	03.4521.ANB	780	03.5333.29	302	03.5918.14	778	03.5957.B1	779
03.4183.GL	600	03.4212.B1	643	03.4521.ASB	780	03.5333.40	302	03.5918.18	778	03.5958.14	779
03.4184.74	604	03.4212.GL	643	03.4521.B3B	780	03.5333.AN	302	03.5918.B1	778	03.5958.18	779
03.4184.74.LE	606	03.4213.74	643	03.4523.11B	780	03.5334.29	302	03.5919.14	778	03.5958.B1	779
03.4184.B1	604	03.4213.B1	643	03.4523.ANB	780	03.5334.40	302	03.5919.18	778	03.5959.14	779
03.4184.B1.LE	606	03.4213.GL	643	03.4523.ASB	780	03.5334.AN	302	03.5919.B1	778	03.5959.18	779
03.4184.GL	604	03.4218.74	648	03.4523.B3B	780	03.5335.29	302	03.5920.14	774	03.5959.B1	779
03.4184.GL.LE	606	03.4218.B1	648	03.4524.11B	780	03.5335.40	302	03.5920.18	774	03.6000.14	775
03.4185.74	604	03.4218.GL	648	03.4524.ANB	780	03.5335.AN	302	03.5920.B1	774	03.6000.14ADA	775
03.4185.B1	604	03.4219.74	648	03.4524.ASB	780	03.5336.29	302	03.5921.14	774	03.6000.18	775
03.4185.GL	604	03.4219.B1	648	03.4524.B3B	780	03.5336.40	302	03.5921.18	774	03.6000.18ADA	775
03.4186.74	607	03.4219.GL	648	03.4530.74	597	03.5336.AN	302	03.5921.B1	774	03.6000.B1	775
03.4186.74.LE	609	03.4220.74	648	03.4530.74.LE	599	03.5337.29	302	03.5923.14	774	03.6000.B1ADA	775
03.4186.B1	607	03.4220.B1	648	03.4530.B1	597	03.5337.40	302	03.5923.18	774	03.6001.14	775
03.4186.B1.LE	609	03.4220.GL	648	03.4530.B1.LE	599	03.5337.AN	302	03.5923.B1	774	03.6001.14ADA	775
03.4186.GL	607	03.4221.74	648	03.4530.GL	597	03.5338.29	302	03.5924.14	774	03.6001.18	775
03.4186.GL.LE	609	03.4221.B1	648	03.4530.GL.LE	599	03.5338.40	302	03.5924.18	774	03.6001.18ADA	775
03.4187.74	607	03.4221.GL	648	03.4531.74	597	03.5338.AN	302	03.5924.B1	774	03.6001.B1	775
03.4187.B1	607	03.4226.74	603	03.4531.B1	597	03.5339.29	302	03.5925.14	774	03.6001.B1ADA	775
03.4187.GL	607	03.4226.B1	603	03.4531.GL	597	03.5339.40	302	03.5925.18	774	03.6003.14	775
03.4188.74	611	03.4226.GL	603	03.4532.74	597	03.5339.AN	302	03.5925.B1	774	03.6003.14ADA	775
03.4188.74.LE	612	03.4227.74	603	03.4532.74.LE	599	03.5730.11B	780	03.5927.14	774	03.6003.18	775
03.4188.B1	611	03.4227.B1	603	03.4532.B1	597	03.5730.ANB	780	03.5927.18	774	03.6003.18ADA	775
03.4188.B1.LE	612	03.4227.GL	603	03.4532.B1.LE	599	03.5730.ASB	780	03.5927.B1	774	03.6003.B1	775
03.4188.GL	611	03.4228.74	603	03.4532.GL	597	03.5730.B3B	780	03.5928.14	774	03.6003.B1ADA	775
03.4188.GL.LE	612	03.4228.B1	603	03.4532.GL.LE	599	03.5731.11B	780	03.5928.18	774	03.6004.14	775
03.4189.74	611	03.4228.GL	603	03.4533.74	597	03.5731.ANB	780	03.5928.B1	774	03.6004.14ADA	775
03.4189.B1	611	03.4229.74	603	03.4533.B1	597	03.5731.ASB	780	03.5929.14	774	03.6004.18	775
03.4189.GL	611	03.4229.B1	603	03.4533.GL	597	03.5731.B3B	780	03.5929.18	774	03.6004.18ADA	775
03.4190.74	613	03.4229.GL	603	03.4534.74	600	03.5733.11B	780	03.5929.B1	774	03.6004.B1	775
03.4190.74.LE	614	03.4234.74	610	03.4534.74.LE	602	03.5733.ANB	780	03.5930.14	777	03.6004.B1ADA	775
03.4190.B1	613	03.4234.B1	610	03.4534.B1	600	03.5733.ASB	780	03.5930.18	777	03.6005.14	775
03.4190.B1.LE	614	03.4234.GL	610	03.4534.B1.LE	602	03.5733.B3B	780	03.5930.B1	777	03.6005.14ADA	775
03.4190.GL	613	03.4235.74	610	03.4534.GL	600	03.5734.11B	780	03.5931.14	777	03.6005.18	775
03.4190.GL.LE	614	03.4235.B1	610	03.4534.GL.LE	602	03.5734.ANB	780	03.5931.18	777	03.6005.18ADA	775
03.4191.74	613	03.4235.GL	610	03.4535.74	600	03.5734.ASB	780	03.5931.B1	777	03.6005.B1	775
03.4191.B1	613	03.4236.74	610	03.4535.B1	600	03.5734.B3B	780	03.5933.14	777	03.6005.B1ADA	775
03.4191.GL	613	03.4236.B1	610	03.4535.GL	600	03.5810.11B	781	03.5933.18	777	03.6007.14	775
03.4192.74	630	03.4236.GL	610	03.4536.74	600	03.5810.ANB	781	03.5933.B1	777	03.6007.14ADA	775
03.4192.74.LE	632	03.4237.74	610	03.4536.74.LE	602	03.5810.ASB	781	03.5934.14	777	03.6007.18	775
03.4192.B1	630	03.4237.B1	610	03.4536.B1	600	03.5810.B3B	781	03.5934.18	777	03.6007.18ADA	775
03.4192.B1.LE	632	03.4237.GL	610	03.4536.B1.LE	602	03.5811.11B	781	03.5934.B1	777	03.6007.B1	775
03.4192.GL	630	03.4242.74	615	03.4536.GL	600	03.5811.ANB	781	03.5935.14	777	03.6007.B1ADA	775
03.4192.GL.LE	632	03.4242.B1	615	03.4536.GL.LE	602	03.5811.ASB	781	03.5935.18	777	03.6008.14	775
03.4193.74	630	03.4242.GL	615	03.4537.74	600	03.5811.B3B	781	03.5935.B1	777	03.6008.14ADA	775
03.4193.B1	630	03.4243.74	615	03.4537.B1	600	03.5813.11B	781	03.5937.14	777	03.6008.18	775
03.4193.GL	630	03.4243.B1	615	03.4537.GL	600	03.5813.ANB	781	03.5937.18	777	03.6008.18ADA	775
03.4194.74	633	03.4243.GL	615	03.4538.74	604	03.5813.ASB	781	03.5937.B1	777	03.6008.B1	775

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
03.6008.B1ADA	775	03.6028.B1	774	03.6048.18ADA	776	03.6273.05DCB	230	03.6802.40A	672	03.6814.1BBDA	676
03.6009.14	775	03.6028.B1ADA	774	03.6048.B1	776	03.6273.05EDA	230	03.6802.40A1V	672	03.6814.1CA	676
03.6009.14ADA	775	03.6029.14	774	03.6048.B1ADA	776	03.6273.14D	230	03.6802.40BDA	672	03.6814.1CA1V	676
03.6009.18	775	03.6029.14ADA	774	03.6049.14	776	03.6273.14DCB	230	03.6803.14A	674	03.6814.1CBDA	676
03.6009.18ADA	775	03.6029.18	774	03.6049.14ADA	776	03.6273.14EDA	230	03.6803.14A1V	674	03.6814.3BA	676
03.6009.B1	775	03.6029.18ADA	774	03.6049.18	776	03.6273.30D	230	03.6803.14BDA	674	03.6814.3BA1V	676
03.6009.B1ADA	775	03.6029.B1	774	03.6049.18ADA	776	03.6273.30DCB	230	03.6803.40A	674	03.6814.3BBDA	676
03.6010.14	778	03.6029.B1ADA	774	03.6049.B1	776	03.6273.30EDA	230	03.6803.40A1V	674	03.6814.3CA	676
03.6010.14ADA	778	03.6030.14	777	03.6049.B1ADA	776	03.6274.14B	212	03.6803.40BDA	674	03.6814.3CA1V	676
03.6010.18	778	03.6030.14ADA	777	03.6050.14	779	03.6274.14BCB	212	03.6804.14A	674	03.6814.3CBDA	676
03.6010.18ADA	778	03.6030.18	777	03.6050.14ADA	779	03.6274.14BDA	212	03.6804.14A1V	674	03.6815.14A	673
03.6010.B1	778	03.6030.18ADA	777	03.6050.18	779	03.6274.40B	212	03.6804.14BDA	674	03.6815.14A1V	673
03.6010.B1ADA	778	03.6030.B1	777	03.6050.18ADA	779	03.6274.40BCB	212	03.6804.40A	674	03.6815.14BDA	673
03.6011.14	778	03.6030.B1ADA	777	03.6050.B1	779	03.6274.40BDA	212	03.6804.40A1V	674	03.6815.40A	673
03.6011.14ADA	778	03.6031.14	777	03.6050.B1ADA	779	03.6275.14B	212	03.6804.40BDA	674	03.6815.40A1V	673
03.6011.18	778	03.6031.14ADA	777	03.6051.14	779	03.6275.14BCB	212	03.6805.14A	674	03.6815.40BDA	673
03.6011.18ADA	778	03.6031.18	777	03.6051.14ADA	779	03.6275.14BDA	212	03.6805.14A1V	674	03.6816.14A	673
03.6011.B1	778	03.6031.18ADA	777	03.6051.18	779	03.6275.40B	212	03.6805.14BDA	674	03.6816.14A1V	673
03.6011.B1ADA	778	03.6031.B1	777	03.6051.18ADA	779	03.6275.40BCB	212	03.6805.40A	674	03.6816.14BDA	673
03.6013.14	778	03.6031.B1ADA	777	03.6051.B1	779	03.6275.40BDA	212	03.6805.40A1V	674	03.6816.40A	673
03.6013.14ADA	778	03.6033.14	777	03.6051.B1ADA	779	03.6277.14B	212	03.6805.40BDA	674	03.6816.40A1V	673
03.6013.18	778	03.6033.14ADA	777	03.6053.14	779	03.6277.14BCB	212	03.6806.14A	674	03.6816.40BDA	673
03.6013.18ADA	778	03.6033.18	777	03.6053.14ADA	779	03.6277.14BDA	212	03.6806.14A1V	674	03.6817.14A	673
03.6013.B1	778	03.6033.18ADA	777	03.6053.18	779	03.6277.40B	212	03.6806.14BDA	674	03.6817.14A1V	673
03.6013.B1ADA	778	03.6033.B1	777	03.6053.18ADA	779	03.6277.40BCB	212	03.6806.40A	674	03.6817.14BDA	673
03.6014.14	778	03.6033.B1ADA	777	03.6053.B1	779	03.6277.40BDA	212	03.6806.40A1V	674	03.6817.40A	673
03.6014.14ADA	778	03.6034.14	777	03.6053.B1ADA	779	03.6278.14B	212	03.6806.40BDA	674	03.6817.40A1V	673
03.6014.18	778	03.6034.14ADA	777	03.6054.14	779	03.6278.14BCB	212	03.6807.14A	674	03.6817.40BDA	673
03.6014.18ADA	778	03.6034.18	777	03.6054.14ADA	779	03.6278.14BDA	212	03.6807.14A1V	674	03.6818.14A	675
03.6014.B1	778	03.6034.18ADA	777	03.6054.18	779	03.6278.40B	212	03.6807.14BDA	674	03.6818.14A1V	675
03.6014.B1ADA	778	03.6034.B1	777	03.6054.18ADA	779	03.6278.40BCB	212	03.6807.40A	674	03.6818.14BDA	675
03.6015.14	778	03.6034.B1ADA	777	03.6054.B1	779	03.6278.40BDA	212	03.6807.40A1V	674	03.6818.40A	675
03.6015.14ADA	778	03.6035.14	777	03.6054.B1ADA	779	03.6284.14C	211	03.6807.40BDA	674	03.6818.40A1V	675
03.6015.18	778	03.6035.14ADA	777	03.6055.14	779	03.6284.14CCB	211	03.6808.14A	674	03.6818.40BDA	675
03.6015.18ADA	778	03.6035.18	777	03.6055.14ADA	779	03.6284.14CDA	211	03.6808.14A1V	674	03.6819.14A	675
03.6015.B1	778	03.6035.18ADA	777	03.6055.18	779	03.6284.40C	211	03.6808.14BDA	674	03.6819.14A1V	675
03.6015.B1ADA	778	03.6035.B1	777	03.6055.18ADA	779	03.6284.40CCB	211	03.6808.40A	674	03.6819.14BDA	675
03.6017.14	778	03.6035.B1ADA	777	03.6055.B1	779	03.6284.40CDA	211	03.6808.40A1V	674	03.6819.40A	675
03.6017.14ADA	778	03.6037.14	777	03.6055.B1ADA	779	03.6285.14C	211	03.6808.40BDA	674	03.6819.40A1V	675
03.6017.18	778	03.6037.14ADA	777	03.6057.14	779	03.6285.14CCB	211	03.6809.1BA	670	03.6819.40BDA	675
03.6017.18ADA	778	03.6037.18	777	03.6057.14ADA	779	03.6285.14CDA	211	03.6809.1BA1V	670	03.6820.14A	675
03.6017.B1	778	03.6037.18ADA	777	03.6057.18	779	03.6285.40C	211	03.6809.1BBDA	670	03.6820.14A1V	675
03.6017.B1ADA	778	03.6037.B1	777	03.6057.18ADA	779	03.6285.40CCB	211	03.6809.1CA	670	03.6820.14BDA	675
03.6018.14	778	03.6037.B1ADA	777	03.6057.B1	779	03.6285.40CDA	211	03.6809.1CADA	670	03.6820.40A	675
03.6018.14ADA	778	03.6038.14	777	03.6057.B1ADA	779	03.6286.14C	211	03.6809.3BA	670	03.6820.40A1V	675
03.6018.18	778	03.6038.14ADA	777	03.6058.14	779	03.6286.14CCB	211	03.6809.3BA1V	670	03.6820.40BDA	675
03.6018.18ADA	778	03.6038.18	777	03.6058.14ADA	779	03.6286.14CDA	211	03.6809.3BBDA	670	03.6821.14A	675
03.6018.B1	778	03.6038.18ADA	777	03.6058.18	779	03.6286.40C	211	03.6809.3CA	670	03.6821.14A1V	675
03.6018.B1ADA	778	03.6038.B1	777	03.6058.18ADA	779	03.6286.40CCB	211	03.6809.3CADA	670	03.6821.14BDA	675
03.6019.14	778	03.6038.B1ADA	777	03.6058.B1	779	03.6286.40CDA	211	03.6810.1BA	670	03.6821.40A	675
03.6019.14ADA	778	03.6039.14	777	03.6058.B1ADA	779	03.6287.14C	211	03.6810.1BA1V	670	03.6821.40A1V	675
03.6019.18	778	03.6039.14ADA	777	03.6059.14	779	03.6287.14CCB	211	03.6810.1BBDA	670	03.6821.40BDA	675
03.6019.18ADA	778	03.6039.18	777	03.6059.14ADA	779	03.6287.14CDA	211	03.6810.1CA	670	03.6822.14A	675
03.6019.B1	778	03.6039.18ADA	777	03.6059.18	779	03.6287.40C	211	03.6810.1CADA	670	03.6822.14A1V	675
03.6019.B1ADA	778	03.6039.B1	777	03.6059.18ADA	779	03.6287.40CCB	211	03.6810.3BA	670	03.6822.14BDA	675
03.6020.14	774	03.6039.B1ADA	777	03.6059.B1	779	03.6287.40CDA	211	03.6810.3BA1V	670	03.6822.40A	675
03.6020.14ADA	774	03.6040.14	776	03.6059.B1ADA	779	03.6295.14A	228	03.6810.3BBDA	670	03.6822.40A1V	675
03.6020.18	774	03.6040.14ADA	776	03.6150.05	681	03.6295.14ACB	228	03.6810.3CA	670	03.6822.40BDA	675
03.6020.18ADA	774	03.6040.18	776	03.6150.14	681	03.6295.14ADA	228	03.6810.3CADA	670	03.6823.14A	675
03.6020.B1	774	03.6040.18ADA	776	03.6150.30	681	03.6296.14A	228	03.6811.1BA	670	03.6823.14A1V	675
03.6020.B1ADA	774	03.6040.B1	776	03.6150.GN	681	03.6296.14ACB	228	03.6811.1BA1V	670	03.6823.14BDA	675
03.6021.14	774	03.6040.B1ADA	776	03.6154.05A	681	03.6296.14ADA	228	03.6811.1BBDA	670	03.6823.40A	675
03.6021.14ADA	774	03.6041.14	776	03.6154.14A	681	03.6297.14A	228	03.6811.1CA	670	03.6823.40A1V	675
03.6021.18	774	03.6041.14ADA	776	03.6154.30A	681	03.6297.14ACB	228	03.6811.1CADA	670	03.6823.40BDA	675
03.6021.18ADA	774	03.6041.18	776	03.6154.GNA	681	03.6297.14ADA	228	03.6811.3BA	670	03.6824.06A	671
03.6021.B1	774	03.6041.18ADA	776	03.6170.05	755	03.6298.14A	228	03.6811.3BA1V	670	03.6824.06ADA	671
03.6021.B1ADA	774	03.6041.B1	776	03.6170.14	755	03.6298.14ACB	228	03.6811.3BBDA	670	03.6824.40A	671
03.6023.14	774	03.6041.B1ADA	776	03.6170.30	755	03.6298.14ADA	228	03.6811.3CA	670	03.6824.40A1V	671
03.6023.14ADA	774	03.6043.14	776	03.6170.GN	755	03.6302.14B	210	03.6811.3CADA	670	03.6824.40BDA	671
03.6023.18	774	03.6043.14ADA	776	03.6174.05A	755	03.6302.14BCB	210	03.6812.1BA	676	03.6825.06A	671
03.6023.18ADA	774	03.6043.18	776	03.6174.14A	755	03.6302.14CDA	210	03.6812.1BA1V	676	03.6825.06ADA	671
03.6023.B1	774	03.6043.18ADA	776	03.6174.30A	755	03.6303.14B	210	03.6812.1BBDA	676	03.6825.40A	671
03.6023.B1ADA	774	03.6043.B1	776	03.6174.GNA	755	03.6303.14BCB	210	03.6812.1CA	676	03.6825.40A1V	671
03.6024.14	774	03.6043.B1ADA	776	03.6260.14ADA	229	03.6303.14CDA	210	03.6812.1CA1V	676	03.6825.40BDA	671
03.6024.14ADA	774	03.6044.14	776	03.6260.14B	229	03.6305.14C	227	03.6812.1CBDA	676	03.6826.06A	671
03.6024.18	774	03.6044.14ADA	776	03.6260.14.CB	229	03.6305.14CCB	227	03.6812.3BA	676	03.6826.06ADA	671
03.6024.18ADA	774	03.6044.18	776	03.6261.14ADA	229	03.6305.14CDA	227	03.6812.3BA1V	676	03.6826.40A	671
03.6024.B1	774	03.6044.18ADA	776	03.6261.14B	229	03.6306.14C	227	03.6812.3BBDA	676	03.6826.40A1V	671
03.6024.B1ADA	774	03.6044.B1	776	03.6261.14.CB	229	03.6306.14CCB	227	03.6812.3CA	676	03.6826.40BDA	671
03.6025.14	774	03.6044.B1ADA	776	03.6262.14ADA	229	03.6306.14CDA	227	03.6812.3CA1V	676	03.6827.06A	677
03.6025.14ADA	774	03.6045.14	776	03.6262.14B	229	03.6800.14A	672	03.6812.3CBDA	676	03.6827.06A1V	677
03.6025.18	774	03.6045.14ADA	776	03.6262.14.CB	229	03.6800.14A1V	672	03.6813.1BA	676	03.6827.06BDA	677
03.6025.18ADA	774	03.6045.18	776	03.6263.14ADA	229	03.6800.14BDA	672	03.6813.1BA1V	676	03.6827.40A	677
03.6025.B1	774	03.6045.18ADA	776	03.6263.14B	229	03.6800.40A	672	03.6813.1BBDA	676	03.6827.40A1V	677
03.6025.B1ADA	774	03.6045.B1	776	03.6263.14.CB	229	03.6800.40A1V	672	03.6813.1CA	676	03.6827.40BDA	677
03.6027.14	774	03.6045.B1ADA	776	03.6272.05D	230	03.6800.40BDA	672	03.6813.1CA1V	676	03.6828.06A	677
03.6027.14ADA	774	03.6047.14	776	03.6272.05DCB	230	03.6801.14A	672	03.6813.1CBDA	676	03.6828.06A1V	677
03.6027.18	774	03.6047.14ADA	776	03.6272.05EDA	230	03.6801.14A1V	672	03.6813.3BA	676	03.6828.06BDA	677
03.6027.18ADA	774	03.6047.18	776	03.6272.14D	230	03.6801.14BDA	672	03.6813.3BA1V	676	03.6828.40A	677
03.6027.B1	774	03.6047.18ADA	776	03.6272.14DCB	230	03.6801.40A	672	03.6813.3BBDA	676	03.6828.40A1V	677
03.6027.B1ADA	774	03.6047.B1	776	03.6272.14EDA	230	03.6801.40A1V	672	03.6813.3CA	676	03.6828.40BDA	677
03.6028.14	774	03.6047.B1ADA	776	03.6272.30D	230	03.6801.40BDA	672	03.6813.3CA1V	676	03.6829.06A	677
03.6028.14ADA	774	03.6048.14	776	03.6272.30DCB	230	03.6802.14A	672	03.6813.3CBDA	676	03.6829.06A1V	677
03.6028.18	774	03.6048.14ADA	776	03.6272.30EDA	230	03.6802.14A1V	672	03.6814.1BA	676	03.6829.06BDA	677
03.6028.18ADA	774	03.6048.18	776	03.6273.05D	230	03.6802.14BDA	672	03.6814.1BA1V	676	03.6829.40A	677

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
03.6829.40A1V	677	03.7316.40ACB	485	03.7358.40A	497	03.8000.14.DA	247	03.8032.14A1V	90	03.8044.14A	249
03.6829.40BDA	677	03.7316.40ANI	485	03.7358.40ACB	497	03.8001.14	247	03.8032.14A1V	248	03.8044.14A1V	91
03.7000.14	204	03.7316.40BDA	485	03.7358.40ANI	497	03.8001.14.1V	247	03.8032.14ACB	90	03.8044.14A1V	249
03.7000.14ADA	204	03.7317.14A	485	03.7358.40BDA	497	03.8001.14.CB	247	03.8032.14ACB	248	03.8044.14ACB	91
03.7000.14.CB	204	03.7317.14ACB	485	03.7359.14A	497	03.8001.14.DA	247	03.8032.14ADA	90	03.8044.14ACB	249
03.7001.14	204	03.7317.14ANI	485	03.7359.14ACB	497	03.8002.14	247	03.8032.14ADA	248	03.8044.14ADA	91
03.7001.14ADA	204	03.7317.14BDA	485	03.7359.14ANI	497	03.8002.14.1V	247	03.8032.40A	90	03.8044.14ADA	249
03.7001.14.CB	204	03.7317.40A	485	03.7359.14BDA	497	03.8002.14.CB	247	03.8032.40A	248	03.8044.40A	91
03.7002.14	204	03.7317.40ACB	485	03.7359.40A	497	03.8002.14.DA	247	03.8032.40A1V	90	03.8044.40A	249
03.7002.14ADA	204	03.7317.40ANI	485	03.7359.40ACB	497	03.8003.14	247	03.8032.40A1V	248	03.8044.40A1V	91
03.7002.14.CB	204	03.7317.40BDA	485	03.7359.40ANI	497	03.8003.14.1V	247	03.8032.40ACB	90	03.8044.40A1V	249
03.7003.14	204	03.7320.14A	485	03.7359.40BDA	497	03.8003.14.CB	247	03.8032.40ACB	248	03.8044.40ACB	91
03.7003.14ADA	204	03.7320.14ACB	485	03.7362.14A	497	03.8003.14.DA	247	03.8032.40ADA	90	03.8044.40ACB	249
03.7003.14.CB	204	03.7320.14ANI	485	03.7362.14ACB	497	03.8004.14	247	03.8032.40ADA	248	03.8044.40ADA	91
03.7004.14	204	03.7320.14BDA	485	03.7362.14ANI	497	03.8004.14.1V	247	03.8033.05B	90	03.8044.40ADA	249
03.7004.14ADA	204	03.7320.40A	485	03.7362.14BDA	497	03.8004.14.CB	247	03.8033.05B	248	03.8045.05B	91
03.7004.14.CB	204	03.7320.40ACB	485	03.7362.40A	497	03.8004.14.DA	247	03.8033.05B1V	90	03.8045.05B	249
03.7005.14	204	03.7320.40ANI	485	03.7362.40ACB	497	03.8005.14	247	03.8033.05B1V	248	03.8045.05B1V	91
03.7005.14ADA	204	03.7320.40BDA	485	03.7362.40ANI	497	03.8005.14.1V	247	03.8033.05BCB	90	03.8045.05B1V	249
03.7005.14.CB	204	03.7321.14A	485	03.7362.40BDA	497	03.8005.14.CB	247	03.8033.05BCB	248	03.8045.05BCB	91
03.7006.14	204	03.7321.14ACB	485	03.7363.14A	497	03.8005.14.DA	247	03.8033.05BDA	90	03.8045.05BCB	249
03.7006.14ADA	204	03.7321.14ANI	485	03.7363.14ACB	497	03.8006.14	247	03.8033.05BDA	248	03.8045.05BDA	91
03.7006.14.CB	204	03.7321.14BDA	485	03.7363.14ANI	497	03.8006.14.1V	247	03.8033.14A	90	03.8045.05BDA	249
03.7007.14	204	03.7321.40A	485	03.7363.14BDA	497	03.8006.14.CB	247	03.8033.14A	248	03.8045.14A	91
03.7007.14ADA	204	03.7321.40ACB	485	03.7363.40A	497	03.8006.14.DA	247	03.8033.14A1V	90	03.8045.14A	249
03.7007.14.CB	204	03.7321.40ANI	485	03.7363.40ACB	497	03.8007.14	247	03.8033.14A1V	248	03.8045.14A1V	91
03.7300.14A	477	03.7321.40BDA	485	03.7363.40ANI	497	03.8007.14.1V	247	03.8033.14ACB	90	03.8045.14A1V	249
03.7300.14ACB	477	03.7324.14A	489	03.7363.40BDA	497	03.8007.14.CB	247	03.8033.14ACB	248	03.8045.14ACB	91
03.7300.14ANI	477	03.7324.14ACB	489	03.7366.14A	501	03.8007.14.DA	247	03.8033.14ADA	90	03.8045.14ACB	249
03.7300.14BDA	477	03.7324.14ANI	489	03.7366.14ACB	501	03.8008.14	247	03.8033.14ADA	248	03.8045.14ADA	91
03.7300.40A	477	03.7324.14BDA	489	03.7366.14ANI	501	03.8008.14.1V	247	03.8033.40A	90	03.8045.14ADA	249
03.7300.40ACB	477	03.7324.40A	489	03.7366.14BDA	501	03.8008.14.CB	247	03.8033.40A	248	03.8045.40A	91
03.7300.40ANI	477	03.7324.40ACB	489	03.7366.40A	501	03.8008.14.DA	247	03.8033.40A1V	90	03.8045.40A	249
03.7300.40BDA	477	03.7324.40ANI	489	03.7366.40ACB	501	03.8009.14	247	03.8033.40A1V	248	03.8045.40A1V	91
03.7301.14A	477	03.7324.40BDA	489	03.7366.40ANI	501	03.8009.14.1V	247	03.8033.40ACB	90	03.8045.40A1V	249
03.7301.14ACB	477	03.7325.14A	489	03.7366.40BDA	501	03.8009.14.CB	247	03.8033.40ACB	248	03.8045.40ACB	91
03.7301.14ANI	477	03.7325.14ACB	489	03.7367.14A	501	03.8009.14.DA	247	03.8033.40ADA	90	03.8045.40ACB	249
03.7301.14BDA	477	03.7325.14ANI	489	03.7367.14ACB	501	03.8025.05A	254	03.8033.40ADA	248	03.8045.40ADA	91
03.7301.40A	477	03.7325.14BDA	489	03.7367.14ANI	501	03.8025.05A1V	254	03.8042.05B	91	03.8045.40ADA	249
03.7301.40ACB	477	03.7325.40A	489	03.7367.14BDA	501	03.8025.05ACB	254	03.8042.05B	249	03.8052.05B	92
03.7301.40ANI	477	03.7325.40ACB	489	03.7367.40A	501	03.8025.05ADA	254	03.8042.05B1V	91	03.8052.05B	250
03.7301.40BDA	477	03.7325.40ANI	489	03.7367.40ACB	501	03.8025.14	254	03.8042.05B1V	249	03.8052.05B1V	92
03.7304.14A	477	03.7325.40BDA	489	03.7367.40ANI	501	03.8025.14.1V	254	03.8042.05BCB	91	03.8052.05B1V	250
03.7304.14ACB	477	03.7328.14A	489	03.7367.40BDA	501	03.8025.14.CB	254	03.8042.05BCB	249	03.8052.05BCB	92
03.7304.14ANI	477	03.7328.14ACB	489	03.7370.14A	501	03.8025.14.DA	254	03.8042.05BDA	91	03.8052.05BCB	250
03.7304.14BDA	477	03.7328.14ANI	489	03.7370.14ACB	501	03.8025.40	254	03.8042.05BDA	249	03.8052.05BDA	92
03.7304.40A	477	03.7328.14BDA	489	03.7370.14ANI	501	03.8025.40.1V	254	03.8042.14A	91	03.8052.05BDA	250
03.7304.40ACB	477	03.7328.40A	489	03.7370.14BDA	501	03.8025.40.CB	254	03.8042.14A	249	03.8052.14A	92
03.7304.40ANI	477	03.7328.40ACB	489	03.7370.40A	501	03.8025.40.DA	254	03.8042.14A1V	91	03.8052.14A	250
03.7304.40BDA	477	03.7328.40ANI	489	03.7370.40ACB	501	03.8026.05A	254	03.8042.14A1V	249	03.8052.14A1V	92
03.7305.14A	477	03.7328.40BDA	489	03.7370.40ANI	501	03.8026.05A1V	254	03.8042.14ACB	91	03.8052.14A1V	250
03.7305.14ACB	477	03.7329.14A	489	03.7370.40BDA	501	03.8026.05ACB	254	03.8042.14ACB	249	03.8052.14ACB	92
03.7305.14ANI	477	03.7329.14ACB	489	03.7371.14A	501	03.8026.05ADA	254	03.8042.14ADA	91	03.8052.14ACB	250
03.7305.14BDA	477	03.7329.14ANI	489	03.7371.14ACB	501	03.8026.14	254	03.8042.14ADA	249	03.8052.14ADA	92
03.7305.40A	477	03.7329.14BDA	489	03.7371.14ANI	501	03.8026.14.1V	254	03.8042.40A	91	03.8052.14ADA	250
03.7305.40ACB	477	03.7329.40A	489	03.7371.14BDA	501	03.8026.14.CB	254	03.8042.40A	249	03.8052.40A	92
03.7305.40ANI	477	03.7329.40ACB	489	03.7371.40A	501	03.8026.14.DA	254	03.8042.40A1V	91	03.8052.40A	250
03.7305.40BDA	477	03.7329.40ANI	489	03.7371.40ACB	501	03.8026.40	254	03.8042.40A1V	249	03.8052.40A1V	92
03.7308.14A	481	03.7329.40BDA	489	03.7371.40ANI	501	03.8026.40.1V	254	03.8042.40ACB	91	03.8052.40A1V	250
03.7308.14ACB	481	03.7350.14A	493	03.7371.40BDA	501	03.8026.40.CB	254	03.8042.40ACB	249	03.8052.40ACB	92
03.7308.14ANI	481	03.7350.14ACB	493	03.7374.14A	505	03.8026.40.DA	254	03.8042.40ADA	91	03.8052.40ACB	250
03.7308.14BDA	481	03.7350.14ANI	493	03.7374.14ACB	505	03.8027.05A	254	03.8042.40ADA	249	03.8052.40ADA	92
03.7308.40A	481	03.7350.14BDA	493	03.7374.14ANI	505	03.8027.05A1V	254	03.8043.05B	91	03.8052.40ADA	250
03.7308.40ACB	481	03.7350.40A	493	03.7374.14BDA	505	03.8027.05ACB	254	03.8043.05B	249	03.8053.05B	92
03.7308.40ANI	481	03.7350.40ACB	493	03.7374.40A	505	03.8027.05ADA	254	03.8043.05B1V	91	03.8053.05B	250
03.7308.40BDA	481	03.7350.40ANI	493	03.7374.40ACB	505	03.8027.14	254	03.8043.05B1V	249	03.8053.05B1V	92
03.7309.14A	481	03.7350.40BDA	493	03.7374.40ANI	505	03.8027.14.1V	254	03.8043.05BCB	91	03.8053.05B1V	250
03.7309.14ACB	481	03.7351.14A	493	03.7374.40BDA	505	03.8027.14.CB	254	03.8043.05BCB	249	03.8053.05BCB	92
03.7309.14ANI	481	03.7351.14ACB	493	03.7375.14A	505	03.8027.14.DA	254	03.8043.05BDA	91	03.8053.05BCB	250
03.7309.14BDA	481	03.7351.14ANI	493	03.7375.14ACB	505	03.8027.40	254	03.8043.05BDA	249	03.8053.05BDA	92
03.7309.40A	481	03.7351.14BDA	493	03.7375.14ANI	505	03.8027.40.1V	254	03.8043.14A	91	03.8053.05BDA	250
03.7309.40ACB	481	03.7351.40A	493	03.7375.14BDA	505	03.8027.40.CB	254	03.8043.14A	249	03.8053.14A	92
03.7309.40ANI	481	03.7351.40ACB	493	03.7375.40A	505	03.8027.40.DA	254	03.8043.14A1V	91	03.8053.14A	250
03.7309.40BDA	481	03.7351.40ANI	493	03.7375.40ACB	505	03.8028.05A	254	03.8043.14A1V	249	03.8053.14A1V	92
03.7312.14A	481	03.7351.40BDA	493	03.7375.40ANI	505	03.8028.05A1V	254	03.8043.14ACB	91	03.8053.14A1V	250
03.7312.14ACB	481	03.7354.14A	493	03.7375.40BDA	505	03.8028.05ACB	254	03.8043.14ACB	249	03.8053.14ACB	92
03.7312.14ANI	481	03.7354.14ACB	493	03.7378.14A	505	03.8028.05ADA	254	03.8043.14ADA	91	03.8053.14ACB	250
03.7312.14BDA	481	03.7354.14ANI	493	03.7378.14ACB	505	03.8028.14	254	03.8043.14ADA	249	03.8053.14ADA	92
03.7312.40A	481	03.7354.14BDA	493	03.7378.14ANI	505	03.8028.14.1V	254	03.8043.40A	91	03.8053.14ADA	250
03.7312.40ACB	481	03.7354.40A	493	03.7378.14BDA	505	03.8028.14.CB	254	03.8043.40A	249	03.8053.40A	92
03.7312.40ANI	481	03.7354.40ACB	493	03.7378.40A	505	03.8028.14.DA	254	03.8043.40A1V	91	03.8053.40A	250
03.7312.40BDA	481	03.7354.40ANI	493	03.7378.40ACB	505	03.8028.40	254	03.8043.40A1V	249	03.8053.40A1V	92
03.7313.14A	481	03.7354.40BDA	493	03.7378.40ANI	505	03.8028.40.1V	254	03.8043.40ACB	91	03.8053.40A1V	250
03.7313.14ACB	481	03.7355.14A	493	03.7378.40BDA	505	03.8028.40.CB	254	03.8043.40ACB	249	03.8053.40ACB	92
03.7313.14ANI	481	03.7355.14ACB	493	03.7379.14A	505	03.8028.40.DA	254	03.8043.40ADA	91	03.8053.40ACB	250
03.7313.14BDA	481	03.7355.14ANI	493	03.7379.14ACB	505	03.8032.05B	90	03.8043.40ADA	249	03.8053.40ADA	92
03.7313.40A	481	03.7355.14BDA	493	03.7379.14ANI	505	03.8032.05B	248	03.8044.05B	91	03.8053.40ADA	250
03.7313.40ACB	481	03.7355.40A	493	03.7379.14BDA	505	03.8032.05B1V	90	03.8044.05B	249	03.8054.05B	92
03.7313.40ANI	481	03.7355.40ACB	493	03.7379.40A	505	03.8032.05B1V	248	03.8044.05B1V	91	03.8054.05B	250
03.7313.40BDA	481	03.7355.40ANI	493	03.7379.40ACB	505	03.8032.05BCB	90	03.8044.05B1V	249	03.8054.05B1V	92
03.7316.14A	485	03.7355.40BDA	493	03.7379.40ANI	505	03.8032.05BCB	248	03.8044.05BCB	91	03.8054.05B1V	250
03.7316.14ACB	485	03.7358.14A	497	03.7379.40BDA	505	03.8032.05BDA	90	03.8044.05BCB	249	03.8054.05BCB	92
03.7316.14ANI	485	03.7358.14ACB	497	03.8000.14	247	03.8032.05BDA	248	03.8044.05BDA	91	03.8054.05BCB	250
03.7316.14BDA	485	03.7358.14ANI	497	03.8000.14.1V	247	03.8032.14A	90	03.8044.05BDA	249	03.8054.05BDA	92
03.7316.40A	485	03.7358.14BDA	497	03.8000.14.CB	247	03.8032.14A	248	03.8044.14A	91	03.8054.05BDA	250

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03.8054.14A	92	03.8074.05BDA	252	03.8091.40	264	03.8117.40A1V	89	03.8138.00.CB	105	03.8156.05ACB	251
03.8054.14A	250	03.8074.14A	94	03.8091.40.CB	264	03.8117.40ACB	89	03.8138.00.DA	105	03.8156.05ADA	93
03.8054.14A1V	92	03.8074.14A	252	03.8100.14A	88	03.8117.40ADA	89	03.8138.FU	105	03.8156.05ADA	251
03.8054.14A1V	250	03.8074.14A1V	94	03.8100.14A1V	88	03.8120.14	86	03.8138.FU.1V	105	03.8156.14	93
03.8054.14ACB	92	03.8074.14A1V	252	03.8100.14ACB	88	03.8120.40	86	03.8138.FU.CB	105	03.8156.14	251
03.8054.14ACB	250	03.8074.14ACB	94	03.8100.14ADA	88	03.8121.14	86	03.8138.FU.DA	105	03.8156.14.1V	93
03.8054.14ADA	92	03.8074.14ACB	252	03.8100.40A	88	03.8121.40	86	03.8138.RC	105	03.8156.14.1V	251
03.8054.14ADA	250	03.8074.14ADA	94	03.8100.40A1V	88	03.8122.14	86	03.8138.RC.1V	105	03.8156.14.CB	93
03.8054.40A	92	03.8074.14ADA	252	03.8100.40ACB	88	03.8122.40	86	03.8138.RC.CB	105	03.8156.14.CB	251
03.8054.40A	250	03.8074.40A	94	03.8100.40ADA	88	03.8130.00	104	03.8138.RC.DA	105	03.8156.14.DA	93
03.8054.40A1V	92	03.8074.40A	252	03.8101.14A	88	03.8130.00.1V	104	03.8140.14A	106	03.8156.14.DA	251
03.8054.40A1V	250	03.8074.40A1V	94	03.8101.14A1V	88	03.8130.00.CB	104	03.8140.14A1V	106	03.8156.40	93
03.8054.40ACB	92	03.8074.40A1V	252	03.8101.14ACB	88	03.8130.00.DA	104	03.8140.14ACB	106	03.8156.40	251
03.8054.40ACB	250	03.8074.40ACB	94	03.8101.14ADA	88	03.8130.FU	104	03.8140.14ADA	106	03.8156.40.1V	93
03.8054.40ADA	92	03.8074.40ACB	252	03.8101.40A	88	03.8130.FU.1V	104	03.8140.40A	106	03.8156.40.1V	251
03.8054.40ADA	250	03.8074.40ADA	94	03.8101.40A1V	88	03.8130.FU.CB	104	03.8140.40A1V	106	03.8156.40.CB	93
03.8055.05B	92	03.8074.40ADA	252	03.8101.40ACB	88	03.8130.FU.DA	104	03.8140.40ACB	106	03.8156.40.CB	251
03.8055.05B	250	03.8075.05B	94	03.8101.40ADA	88	03.8130.RC	104	03.8140.40ADA	106	03.8156.40.DA	93
03.8055.05B1V	92	03.8075.05B	252	03.8102.14A	88	03.8130.RC.1V	104	03.8141.14A	106	03.8156.40.DA	251
03.8055.05B1V	250	03.8075.05B1V	94	03.8102.14A1V	88	03.8130.RC.CB	104	03.8141.14A1V	106	03.8157.05A	93
03.8055.05BCB	92	03.8075.05B1V	252	03.8102.14ACB	88	03.8130.RC.DA	104	03.8141.14ACB	106	03.8157.05A	251
03.8055.05BCB	250	03.8075.05BCB	94	03.8102.14ADA	88	03.8131.00	104	03.8141.14ADA	106	03.8157.05A1V	93
03.8055.05BDA	92	03.8075.05BCB	252	03.8102.40A	88	03.8131.00.1V	104	03.8141.40A	106	03.8157.05A1V	251
03.8055.05BDA	250	03.8075.05BDA	94	03.8102.40A1V	88	03.8131.00.CB	104	03.8141.40A1V	106	03.8157.05ACB	93
03.8055.14A	92	03.8075.05BDA	252	03.8102.40ACB	88	03.8131.00.DA	104	03.8141.40ACB	106	03.8157.05ACB	251
03.8055.14A	250	03.8075.14A	94	03.8102.40ADA	88	03.8131.FU	104	03.8141.40ADA	106	03.8157.05ADA	93
03.8055.14A1V	92	03.8075.14A	252	03.8105.14A	88	03.8131.FU.1V	104	03.8142.14A	106	03.8157.05ADA	251
03.8055.14A1V	250	03.8075.14A1V	94	03.8105.14A1V	88	03.8131.FU.CB	104	03.8142.14A1V	106	03.8157.14	93
03.8055.14ACB	92	03.8075.14A1V	252	03.8105.14ACB	88	03.8131.FU.DA	104	03.8142.14ACB	106	03.8157.14	251
03.8055.14ACB	250	03.8075.14ACB	94	03.8105.14ADA	88	03.8131.RC	104	03.8142.14ADA	106	03.8157.14.1V	93
03.8055.14ADA	92	03.8075.14ACB	252	03.8105.40A	88	03.8131.RC.1V	104	03.8142.40A	106	03.8157.14.1V	251
03.8055.14ADA	250	03.8075.14ADA	94	03.8105.40A1V	88	03.8131.RC.CB	104	03.8142.40A1V	106	03.8157.14.CB	93
03.8055.40A	92	03.8075.14ADA	252	03.8105.40ACB	88	03.8131.RC.DA	104	03.8142.40ACB	106	03.8157.14.CB	251
03.8055.40A	250	03.8075.40A	94	03.8105.40ADA	88	03.8132.00	104	03.8142.40ADA	106	03.8157.14.DA	93
03.8055.40A1V	92	03.8075.40A	252	03.8106.14A	88	03.8132.00.1V	104	03.8143.14A	106	03.8157.14.DA	251
03.8055.40A1V	250	03.8075.40A1V	94	03.8106.14A1V	88	03.8132.00.CB	104	03.8143.14A1V	106	03.8157.40	93
03.8055.40ACB	92	03.8075.40A1V	252	03.8106.14ACB	88	03.8132.00.DA	104	03.8143.14ACB	106	03.8157.40	251
03.8055.40ACB	250	03.8075.40ACB	94	03.8106.14ADA	88	03.8132.FU	104	03.8143.14ADA	106	03.8157.40.1V	93
03.8055.40ADA	92	03.8075.40ACB	252	03.8106.40A	88	03.8132.FU.1V	104	03.8143.40A	106	03.8157.40.1V	251
03.8055.40ADA	250	03.8075.40ADA	94	03.8106.40A1V	88	03.8132.FU.CB	104	03.8143.40A1V	106	03.8157.40.CB	93
03.8072.05B	94	03.8075.40ADA	252	03.8106.40ACB	88	03.8132.FU.DA	104	03.8143.40ACB	106	03.8157.40.CB	251
03.8072.05B	252	03.8076.05B	94	03.8106.40ADA	88	03.8132.RC	104	03.8143.40ADA	106	03.8157.40.DA	93
03.8072.05B1V	94	03.8076.05B	252	03.8107.14A	88	03.8132.RC.1V	104	03.8154.05A	93	03.8157.40.DA	251
03.8072.05B1V	252	03.8076.05B1V	94	03.8107.14A1V	88	03.8132.RC.CB	104	03.8154.05A	251	03.8300.14A	437
03.8072.05BCB	94	03.8076.05B1V	252	03.8107.14ACB	88	03.8132.RC.DA	104	03.8154.05A1V	93	03.8300.14ACB	437
03.8072.05BCB	252	03.8076.05BCB	94	03.8107.14ADA	88	03.8133.00	104	03.8154.05A1V	251	03.8300.14ANI	437
03.8072.05BDA	94	03.8076.05BCB	252	03.8107.40A	88	03.8133.00.1V	104	03.8154.05ACB	93	03.8300.14BDA	437
03.8072.05BDA	252	03.8076.05BDA	94	03.8107.40A1V	88	03.8133.00.CB	104	03.8154.05ACB	251	03.8300.40A	437
03.8072.14A	94	03.8076.05BDA	252	03.8107.40ACB	88	03.8133.00.DA	104	03.8154.05ADA	93	03.8300.40ACB	437
03.8072.14A	252	03.8076.14A	94	03.8107.40ADA	88	03.8133.FU	104	03.8154.05ADA	251	03.8300.40ANI	437
03.8072.14A1V	94	03.8076.14A	252	03.8110.14A	89	03.8133.FU.1V	104	03.8154.14	93	03.8300.40BDA	437
03.8072.14A1V	252	03.8076.14A1V	94	03.8110.14A1V	89	03.8133.FU.CB	104	03.8154.14	251	03.8301.14A	437
03.8072.14ACB	94	03.8076.14A1V	252	03.8110.14ACB	89	03.8133.FU.DA	104	03.8154.14.1V	93	03.8301.14ACB	437
03.8072.14ACB	252	03.8076.14ACB	94	03.8110.14ADA	89	03.8133.RC	104	03.8154.14.1V	251	03.8301.14ANI	437
03.8072.14ADA	94	03.8076.14ACB	252	03.8110.40A	89	03.8133.RC.1V	104	03.8154.14.CB	93	03.8301.14BDA	437
03.8072.14ADA	252	03.8076.14ADA	94	03.8110.40A1V	89	03.8133.RC.CB	104	03.8154.14.CB	251	03.8301.40A	437
03.8072.40A	94	03.8076.14ADA	252	03.8110.40ACB	89	03.8133.RC.DA	104	03.8154.14.DA	93	03.8301.40ACB	437
03.8072.40A	252	03.8076.40A	94	03.8110.40ADA	89	03.8135.00	104	03.8154.14.DA	251	03.8301.40ANI	437
03.8072.40A1V	94	03.8076.40A	252	03.8111.14A	89	03.8135.00.1V	104	03.8154.40	93	03.8301.40BDA	437
03.8072.40A1V	252	03.8076.40A1V	94	03.8111.14A1V	89	03.8135.00.CB	104	03.8154.40	251	03.8304.14A	437
03.8072.40ACB	94	03.8076.40A1V	252	03.8111.14ACB	89	03.8135.00.DA	104	03.8154.40.1V	93	03.8304.14ACB	437
03.8072.40ACB	252	03.8076.40ACB	94	03.8111.14ADA	89	03.8135.FU	104	03.8154.40.1V	251	03.8304.14ANI	437
03.8072.40ADA	94	03.8076.40ACB	252	03.8111.40A	89	03.8135.FU.1V	104	03.8154.40.CB	93	03.8304.14BDA	437
03.8072.40ADA	252	03.8076.40ADA	94	03.8111.40A1V	89	03.8135.FU.CB	104	03.8154.40.CB	251	03.8304.40A	437
03.8073.05B	94	03.8076.40ADA	252	03.8111.40ACB	89	03.8135.FU.DA	104	03.8154.40.DA	93	03.8304.40ACB	437
03.8073.05B	252	03.8077.05B	94	03.8111.40ADA	89	03.8135.RC	104	03.8154.40.DA	251	03.8304.40ANI	437
03.8073.05B1V	94	03.8077.05B	252	03.8112.14A	89	03.8135.RC.1V	104	03.8155.05A	93	03.8304.40BDA	437
03.8073.05B1V	252	03.8077.05B1V	94	03.8112.14A1V	89	03.8135.RC.CB	104	03.8155.05A	251	03.8305.14A	437
03.8073.05BCB	94	03.8077.05B1V	252	03.8112.14ACB	89	03.8135.RC.DA	104	03.8155.05A1V	93	03.8305.14ACB	437
03.8073.05BCB	252	03.8077.05BCB	94	03.8112.14ADA	89	03.8136.00	105	03.8155.05A1V	251	03.8305.14ANI	437
03.8073.05BDA	94	03.8077.05BCB	252	03.8112.40A	89	03.8136.00.1V	105	03.8155.05ACB	93	03.8305.14BDA	437
03.8073.05BDA	252	03.8077.05BDA	94	03.8112.40A1V	89	03.8136.00.CB	105	03.8155.05ACB	251	03.8305.40A	437
03.8073.14A	94	03.8077.05BDA	252	03.8112.40ACB	89	03.8136.00.DA	105	03.8155.05ADA	93	03.8305.40ACB	437
03.8073.14A	252	03.8077.14A	94	03.8112.40ADA	89	03.8136.FU	105	03.8155.05ADA	251	03.8305.40ANI	437
03.8073.14A1V	94	03.8077.14A	252	03.8115.14A	89	03.8136.FU.1V	105	03.8155.14	93	03.8305.40BDA	437
03.8073.14A1V	252	03.8077.14A1V	94	03.8115.14A1V	89	03.8136.FU.CB	105	03.8155.14	251	03.8308.14A	441
03.8073.14ACB	94	03.8077.14A1V	252	03.8115.14ACB	89	03.8136.FU.DA	105	03.8155.14.1V	93	03.8308.14ACB	441
03.8073.14ACB	252	03.8077.14ACB	94	03.8115.14ADA	89	03.8136.RC	105	03.8155.14.1V	251	03.8308.14ANI	441
03.8073.14ADA	94	03.8077.14ACB	252	03.8115.40A	89	03.8136.RC.1V	105	03.8155.14.CB	93	03.8308.14BDA	441
03.8073.14ADA	252	03.8077.14ADA	94	03.8115.40A1V	89	03.8136.RC.CB	105	03.8155.14.CB	251	03.8308.40A	441
03.8073.40A	94	03.8077.14ADA	252	03.8115.40ACB	89	03.8136.RC.DA	105	03.8155.14.DA	93	03.8308.40ACB	441
03.8073.40A	252	03.8077.40A	94	03.8115.40ADA	89	03.8137.00	104	03.8155.14.DA	251	03.8308.40ANI	441
03.8073.40A1V	94	03.8077.40A	252	03.8116.14A	89	03.8137.00.1V	104	03.8155.40	93	03.8308.40BDA	441
03.8073.40A1V	252	03.8077.40A1V	94	03.8116.14A1V	89	03.8137.00.CB	104	03.8155.40	251	03.8309.14A	441
03.8073.40ACB	94	03.8077.40A1V	252	03.8116.14ACB	89	03.8137.00.DA	104	03.8155.40.1V	93	03.8309.14ACB	441
03.8073.40ACB	252	03.8077.40ACB	94	03.8116.14ADA	89	03.8137.FU	104	03.8155.40.1V	251	03.8309.14ANI	441
03.8073.40ADA	94	03.8077.40ACB	252	03.8116.40A	89	03.8137.FU.1V	104	03.8155.40.CB	93	03.8309.14BDA	441
03.8073.40ADA	252	03.8077.40ADA	94	03.8116.40A1V	89	03.8137.FU.CB	104	03.8155.40.CB	251	03.8309.40A	441
03.8074.05B	94	03.8077.40ADA	252	03.8116.40ACB	89	03.8137.FU.DA	104	03.8155.40.DA	93	03.8309.40ACB	441
03.8074.05B	252	03.8090.14	264	03.8116.40ADA	89	03.8137.RC	104	03.8155.40.DA	251	03.8309.40ANI	441
03.8074.05B1V	94	03.8090.14.CB	264	03.8117.14A	89	03.8137.RC.1V	104	03.8156.05A	93	03.8309.40BDA	441
03.8074.05B1V	252	03.8090.40	264	03.8117.14A1V	89	03.8137.RC.CB	104	03.8156.05A	251	03.8312.14A	441
03.8074.05BCB	94	03.8090.40.CB	264	03.8117.14ACB	89	03.8137.RC.DA	104	03.8156.05A1V	93	03.8312.14ACB	441
03.8074.05BCB	252	03.8091.14	264	03.8117.14ADA	89	03.8138.00	105	03.8156.05A1V	251	03.8312.14ANI	441
03.8074.05BDA	94	03.8091.14.CB	264	03.8117.40A	89	03.8138.00.1V	105	03.8156.05ACB	93	03.8312.14BDA	441

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03.8312.40A	441	03.8354.14BDA	457	03.8378.14ANI	473	03.8514.18	78	03.8616.40A	520	03.8673.40A	521
03.8312.40ACB	441	03.8354.40A	457	03.8378.14BDA	473	03.8514.GN	78	03.8616.EQA	520	03.8673.EQA	521
03.8312.40ANI	441	03.8354.40ACB	457	03.8378.40A	473	03.8514.GO	78	03.8616.ERA	520	03.8673.ERA	521
03.8312.40BDA	441	03.8354.40ANI	457	03.8378.40ACB	473	03.8514.M5	78	03.8616.ESA	520	03.8673.ESA	521
03.8313.14A	441	03.8354.40BDA	457	03.8378.40ANI	473	03.8520.14	78	03.8617.14A	521	03.8674.14A	522
03.8313.14ACB	441	03.8355.14A	457	03.8378.40BDA	473	03.8520.18	78	03.8617.40A	521	03.8674.40A	522
03.8313.14ANI	441	03.8355.14ACB	457	03.8379.14A	473	03.8520.GN	78	03.8617.EQA	521	03.8674.EQA	522
03.8313.14BDA	441	03.8355.14ANI	457	03.8379.14ACB	473	03.8520.GO	78	03.8617.ERA	521	03.8674.ERA	522
03.8313.40A	441	03.8355.14BDA	457	03.8379.14ANI	473	03.8520.M5	78	03.8617.ESA	521	03.8674.ESA	522
03.8313.40ACB	441	03.8355.40A	457	03.8379.14BDA	473	03.8521.14	78	03.8618.14A	521	03.8820.14A	434
03.8313.40ANI	441	03.8355.40ACB	457	03.8379.40A	473	03.8521.18	78	03.8618.40A	521	03.8820.14ACB	434
03.8313.40BDA	441	03.8355.40ANI	457	03.8379.40ACB	473	03.8521.GN	78	03.8618.EQA	521	03.8820.14ANI	434
03.8316.14A	449	03.8355.40BDA	457	03.8379.40ANI	473	03.8521.GO	78	03.8618.ERA	521	03.8820.14BDA	434
03.8316.14ACB	449	03.8358.14A	461	03.8379.40BDA	473	03.8521.M5	78	03.8618.ESA	521	03.8820.40A	434
03.8316.14ANI	449	03.8358.14ACB	461	03.8500.14.1V	77	03.8522.14	78	03.8630.14A	522	03.8820.40ACB	434
03.8316.14BDA	449	03.8358.14ANI	461	03.8500.14.CB	77	03.8522.18	78	03.8630.40B	522	03.8820.40ANI	434
03.8316.40A	449	03.8358.14BDA	461	03.8500.14.DA	77	03.8522.GN	78	03.8630.EQA	522	03.8820.40BDA	434
03.8316.40ACB	449	03.8358.40A	461	03.8500.18.1V	77	03.8522.GO	78	03.8630.ERA	522	03.8821.14A	434
03.8316.40ANI	449	03.8358.40ACB	461	03.8500.18.CB	77	03.8522.M5	78	03.8630.ESA	522	03.8821.14ACB	434
03.8316.40BDA	449	03.8358.40ANI	461	03.8500.18.DA	77	03.8600.14A	520	03.8631.14A	522	03.8821.14ANI	434
03.8317.14A	449	03.8358.40BDA	461	03.8500.GN.1V	77	03.8600.40B	520	03.8631.40B	522	03.8821.14BDA	434
03.8317.14ACB	449	03.8359.14A	461	03.8500.GN.CB	77	03.8600.EQA	520	03.8631.EQA	522	03.8821.40A	434
03.8317.14ANI	449	03.8359.14ACB	461	03.8500.GN.DA	77	03.8600.ERA	520	03.8631.ERA	522	03.8821.40ACB	434
03.8317.14BDA	449	03.8359.14ANI	461	03.8500.GO.1V	77	03.8600.ESA	520	03.8631.ESA	522	03.8821.40ANI	434
03.8317.40A	449	03.8359.14BDA	461	03.8500.GO.CB	77	03.8601.14A	521	03.8633.14A	522	03.8821.40BDA	434
03.8317.40ACB	449	03.8359.40A	461	03.8500.GO.DA	77	03.8601.40B	521	03.8633.40A	522	03.8824.14A	434
03.8317.40ANI	449	03.8359.40ACB	461	03.8500.M5.1V	77	03.8601.EQA	521	03.8633.EQA	522	03.8824.14ACB	434
03.8317.40BDA	449	03.8359.40ANI	461	03.8500.M5.CB	77	03.8601.ERA	521	03.8633.ERA	522	03.8824.14ANI	434
03.8320.14A	449	03.8359.40BDA	461	03.8500.M5.DA	77	03.8601.ESA	521	03.8633.ESA	522	03.8824.14BDA	434
03.8320.14ACB	449	03.8362.14A	461	03.8501.14.1V	77	03.8602.14A	521	03.8635.14A	522	03.8824.40A	434
03.8320.14ANI	449	03.8362.14ACB	461	03.8501.14.CB	77	03.8602.40B	521	03.8635.40B	522	03.8824.40ACB	434
03.8320.14BDA	449	03.8362.14ANI	461	03.8501.14.DA	77	03.8602.EQA	521	03.8635.EQA	522	03.8824.40ANI	434
03.8320.40A	449	03.8362.14BDA	461	03.8501.18.1V	77	03.8602.ERA	521	03.8635.ERA	522	03.8824.40BDA	434
03.8320.40ACB	449	03.8362.40A	461	03.8501.18.CB	77	03.8602.ESA	521	03.8635.ESA	522	03.8825.14A	434
03.8320.40ANI	449	03.8362.40ACB	461	03.8501.18.DA	77	03.8603.14A	520	03.8636.14A	522	03.8825.14ACB	434
03.8320.40BDA	449	03.8362.40ANI	461	03.8501.GN.1V	77	03.8603.40B	520	03.8636.40B	522	03.8825.14ANI	434
03.8321.14A	449	03.8362.40BDA	461	03.8501.GN.CB	77	03.8603.EQA	520	03.8636.EQA	522	03.8825.14BDA	434
03.8321.14ACB	449	03.8363.14A	461	03.8501.GN.DA	77	03.8603.ERA	520	03.8636.ERA	522	03.8825.40A	434
03.8321.14ANI	449	03.8363.14ACB	461	03.8501.GO.1V	77	03.8603.ESA	520	03.8636.ESA	522	03.8825.40ACB	434
03.8321.14BDA	449	03.8363.14ANI	461	03.8501.GO.CB	77	03.8604.14A	521	03.8637.14A	522	03.8825.40ANI	434
03.8321.40A	449	03.8363.14BDA	461	03.8501.GO.DA	77	03.8604.40B	521	03.8637.40A	522	03.8825.40BDA	434
03.8321.40ACB	449	03.8363.40A	461	03.8501.M5.1V	77	03.8604.EQA	521	03.8637.EQA	522	03.8828.14A	438
03.8321.40ANI	449	03.8363.40ACB	461	03.8501.M5.CB	77	03.8604.ERA	521	03.8637.ERA	522	03.8828.14ACB	438
03.8321.40BDA	449	03.8363.40ANI	461	03.8501.M5.DA	77	03.8604.ESA	521	03.8637.ESA	522	03.8828.14ANI	438
03.8324.14A	453	03.8363.40BDA	461	03.8505.14.1V	77	03.8605.14A	521	03.8640.14A	520	03.8828.14BDA	438
03.8324.14ACB	453	03.8366.14A	469	03.8505.14.CB	77	03.8605.40B	521	03.8640.40B	520	03.8828.40A	438
03.8324.14ANI	453	03.8366.14ACB	469	03.8505.14.DA	77	03.8605.EQA	521	03.8640.EQA	520	03.8828.40ACB	438
03.8324.14BDA	453	03.8366.14ANI	469	03.8505.18.1V	77	03.8605.ERA	521	03.8640.ERA	520	03.8828.40ANI	438
03.8324.40A	453	03.8366.14BDA	469	03.8505.18.CB	77	03.8605.ESA	521	03.8640.ESA	520	03.8828.40BDA	438
03.8324.40ACB	453	03.8366.40A	469	03.8505.18.DA	77	03.8606.14A	520	03.8641.14A	521	03.8829.14A	438
03.8324.40ANI	453	03.8366.40ACB	469	03.8505.GN.1V	77	03.8606.40A	520	03.8641.40B	521	03.8829.14ACB	438
03.8324.40BDA	453	03.8366.40ANI	469	03.8505.GN.CB	77	03.8606.EQA	520	03.8641.EQA	521	03.8829.14ANI	438
03.8325.14A	453	03.8366.40BDA	469	03.8505.GN.DA	77	03.8606.ERA	520	03.8641.ERA	521	03.8829.14BDA	438
03.8325.14ACB	453	03.8367.14A	469	03.8505.GO.1V	77	03.8606.ESA	520	03.8641.ESA	521	03.8829.40A	438
03.8325.14ANI	453	03.8367.14ACB	469	03.8505.GO.CB	77	03.8607.14A	521	03.8642.14A	521	03.8829.40ACB	438
03.8325.14BDA	453	03.8367.14ANI	469	03.8505.GO.DA	77	03.8607.40A	521	03.8642.40B	521	03.8829.40ANI	438
03.8325.40A	453	03.8367.14BDA	469	03.8505.M5.1V	77	03.8607.EQA	521	03.8642.EQA	521	03.8829.40BDA	438
03.8325.40ACB	453	03.8367.40A	469	03.8505.M5.CB	77	03.8607.ERA	521	03.8642.ERA	521	03.8832.14A	438
03.8325.40ANI	453	03.8367.40ACB	469	03.8505.M5.DA	77	03.8607.ESA	521	03.8642.ESA	521	03.8832.14ACB	438
03.8325.40BDA	453	03.8367.40ANI	469	03.8506.14.1V	77	03.8608.14A	521	03.8643.14A	520	03.8832.14ANI	438
03.8328.14A	453	03.8367.40BDA	469	03.8506.14.CB	77	03.8608.40A	521	03.8643.40B	520	03.8832.14BDA	438
03.8328.14ACB	453	03.8370.14A	469	03.8506.14.DA	77	03.8608.EQA	521	03.8643.EQA	520	03.8832.40A	438
03.8328.14ANI	453	03.8370.14ACB	469	03.8506.18.1V	77	03.8608.ERA	521	03.8643.ERA	520	03.8832.40ACB	438
03.8328.14BDA	453	03.8370.14ANI	469	03.8506.18.CB	77	03.8608.ESA	521	03.8643.ESA	520	03.8832.40ANI	438
03.8328.40A	453	03.8370.14BDA	469	03.8506.18.DA	77	03.8610.14A	520	03.8644.14A	521	03.8832.40BDA	438
03.8328.40ACB	453	03.8370.40A	469	03.8506.GN.1V	77	03.8610.40B	520	03.8644.40B	521	03.8833.14A	438
03.8328.40ANI	453	03.8370.40ACB	469	03.8506.GN.CB	77	03.8610.EQA	520	03.8644.EQA	521	03.8833.14ACB	438
03.8328.40BDA	453	03.8370.40ANI	469	03.8506.GN.DA	77	03.8610.ERA	520	03.8644.ERA	521	03.8833.14ANI	438
03.8329.14A	453	03.8370.40BDA	469	03.8506.GO.1V	77	03.8610.ESA	520	03.8644.ESA	521	03.8833.14BDA	438
03.8329.14ACB	453	03.8371.14A	469	03.8506.GO.CB	77	03.8611.14A	521	03.8645.14A	521	03.8833.40A	438
03.8329.14ANI	453	03.8371.14ACB	469	03.8506.GO.DA	77	03.8611.40B	521	03.8645.40B	521	03.8833.40ACB	438
03.8329.14BDA	453	03.8371.14ANI	469	03.8506.M5.1V	77	03.8611.EQA	521	03.8645.EQA	521	03.8833.40ANI	438
03.8329.40A	453	03.8371.14BDA	469	03.8506.M5.CB	77	03.8611.ERA	521	03.8645.ERA	521	03.8833.40BDA	438
03.8329.40ACB	453	03.8371.40A	469	03.8506.M5.DA	77	03.8611.ESA	521	03.8645.ESA	521	03.8836.14A	446
03.8329.40ANI	453	03.8371.40ACB	469	03.8510.14	78	03.8612.14A	521	03.8646.14A	522	03.8836.14ACB	446
03.8329.40BDA	453	03.8371.40ANI	469	03.8510.18	78	03.8612.40B	521	03.8646.40B	522	03.8836.14ANI	446
03.8350.14A	457	03.8371.40BDA	469	03.8510.GN	78	03.8612.EQA	521	03.8646.EQA	522	03.8836.14BDA	446
03.8350.14ACB	457	03.8374.14A	473	03.8510.GO	78	03.8612.ERA	521	03.8646.ERA	522	03.8836.40A	446
03.8350.14ANI	457	03.8374.14ACB	473	03.8510.M5	78	03.8612.ESA	521	03.8646.ESA	522	03.8836.40ACB	446
03.8350.14BDA	457	03.8374.14ANI	473	03.8511.14	78	03.8613.14A	520	03.8647.14A	522	03.8836.40ANI	446
03.8350.40A	457	03.8374.14BDA	473	03.8511.18	78	03.8613.40B	520	03.8647.40B	522	03.8836.40BDA	446
03.8350.40ACB	457	03.8374.40A	473	03.8511.GN	78	03.8613.EQA	520	03.8647.EQA	522	03.8837.14A	446
03.8350.40ANI	457	03.8374.40ACB	473	03.8511.GO	78	03.8613.ERA	520	03.8647.ERA	522	03.8837.14ACB	446
03.8350.40BDA	457	03.8374.40ANI	473	03.8511.M5	78	03.8613.ESA	520	03.8647.ESA	522	03.8837.14ANI	446
03.8351.14A	457	03.8374.40BDA	473	03.8512.14	78	03.8614.14A	521	03.8671.14A	520	03.8837.14BDA	446
03.8351.14ACB	457	03.8375.14A	473	03.8512.18	78	03.8614.40B	521	03.8671.40A	520	03.8837.40A	446
03.8351.14ANI	457	03.8375.14ACB	473	03.8512.GN	78	03.8614.EQA	521	03.8671.EQA	520	03.8837.40ACB	446
03.8351.14BDA	457	03.8375.14ANI	473	03.8512.GO	78	03.8614.ERA	521	03.8671.ERA	520	03.8837.40ANI	446
03.8351.40A	457	03.8375.14BDA	473	03.8512.M5	78	03.8614.ESA	521	03.8671.ESA	520	03.8837.40BDA	446
03.8351.40ACB	457	03.8375.40A	473	03.8513.14	78	03.8615.14A	521	03.8672.14A	521	03.8840.14A	446
03.8351.40ANI	457	03.8375.40ACB	473	03.8513.18	78	03.8615.40B	521	03.8672.40A	521	03.8840.14ACB	446
03.8351.40BDA	457	03.8375.40ANI	473	03.8513.GN	78	03.8615.EQA	521	03.8672.EQA	521	03.8840.14ANI	446
03.8354.14A	457	03.8375.40BDA	473	03.8513.GO	78	03.8615.ERA	521	03.8672.ERA	521	03.8840.14BDA	446
03.8354.14ACB	457	03.8378.14A	473	03.8513.M5	78	03.8615.ESA	521	03.8672.ESA	521	03.8840.40A	446
03.8354.14ANI	457	03.8378.14ACB	473	03.8514.14	78	03.8616.14A	520	03.8673.14A	521	03.8840.40ACB	446

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03.8840.40BDA	446	03.8864.40ANI	458	03.8888.40ACB	474	03.8912.40A	486	03.8936.14BDA	498	03.8968.40A	508
03.8841.14A	446	03.8864.40BDA	458	03.8888.40ANI	474	03.8912.40ACB	486	03.8936.40A	498	03.8968.40ADA	508
03.8841.14ACB	446	03.8865.14A	458	03.8888.40BDA	474	03.8912.40ANI	486	03.8936.40ACB	498	03.8969.14A	508
03.8841.14ANI	446	03.8865.14ACB	458	03.8889.14A	474	03.8912.40BDA	486	03.8936.40ANI	498	03.8969.14ADA	508
03.8841.14BDA	446	03.8865.14ANI	458	03.8889.14ACB	474	03.8913.14A	486	03.8936.40BDA	498	03.8969.40A	508
03.8841.40A	446	03.8865.14BDA	458	03.8889.14ANI	474	03.8913.14ACB	486	03.8937.14A	498	03.8969.40ADA	508
03.8841.40ACB	446	03.8865.40A	458	03.8889.14BDA	474	03.8913.14ANI	486	03.8937.14ACB	498	03.9100.14A	435
03.8841.40ANI	446	03.8865.40ACB	458	03.8889.40A	474	03.8913.14BDA	486	03.8937.14ANI	498	03.9100.14ACB	435
03.8841.40BDA	446	03.8865.40ANI	458	03.8889.40ACB	474	03.8913.40A	486	03.8937.14BDA	498	03.9100.14ANI	435
03.8844.14A	450	03.8865.40BDA	458	03.8889.40ANI	474	03.8913.40ACB	486	03.8937.40A	498	03.9100.14BDA	435
03.8844.14ACB	450	03.8868.14A	466	03.8889.40BDA	474	03.8913.40ANI	486	03.8937.40ACB	498	03.9100.40A	435
03.8844.14ANI	450	03.8868.14ACB	466	03.8892.14A	478	03.8913.40BDA	486	03.8937.40ANI	498	03.9100.40ACB	435
03.8844.14BDA	450	03.8868.14ANI	466	03.8892.14ACB	478	03.8916.14A	490	03.8937.40BDA	498	03.9100.40ANI	435
03.8844.40A	450	03.8868.14BDA	466	03.8892.14ANI	478	03.8916.14ACB	490	03.8940.14A	502	03.9100.40BDA	435
03.8844.40ACB	450	03.8868.40A	466	03.8892.14BDA	478	03.8916.14ANI	490	03.8940.14ACB	502	03.9101.14A	435
03.8844.40ANI	450	03.8868.40ACB	466	03.8892.40A	478	03.8916.14BDA	490	03.8940.14ANI	502	03.9101.14ACB	435
03.8844.40BDA	450	03.8868.40ANI	466	03.8892.40ACB	478	03.8916.40A	490	03.8940.14BDA	502	03.9101.14ANI	435
03.8845.14A	450	03.8868.40BDA	466	03.8892.40ANI	478	03.8916.40ACB	490	03.8940.40A	502	03.9101.14BDA	435
03.8845.14ACB	450	03.8869.14A	466	03.8892.40BDA	478	03.8916.40ANI	490	03.8940.40ACB	502	03.9101.40A	435
03.8845.14ANI	450	03.8869.14ACB	466	03.8893.14A	478	03.8916.40BDA	490	03.8940.40ANI	502	03.9101.40ACB	435
03.8845.14BDA	450	03.8869.14ANI	466	03.8893.14ACB	478	03.8917.14A	490	03.8940.40BDA	502	03.9101.40ANI	435
03.8845.40A	450	03.8869.14BDA	466	03.8893.14ANI	478	03.8917.14ACB	490	03.8941.14A	502	03.9101.40BDA	435
03.8845.40ACB	450	03.8869.40A	466	03.8893.14BDA	478	03.8917.14ANI	490	03.8941.14ACB	502	03.9105.14A	436
03.8845.40ANI	450	03.8869.40ACB	466	03.8893.40A	478	03.8917.14BDA	490	03.8941.14ANI	502	03.9105.14ACB	436
03.8845.40BDA	450	03.8869.40ANI	466	03.8893.40ACB	478	03.8917.40A	490	03.8941.14BDA	502	03.9105.14ANI	436
03.8848.14A	450	03.8869.40BDA	466	03.8893.40ANI	478	03.8917.40ACB	490	03.8941.40A	502	03.9105.14BDA	436
03.8848.14ACB	450	03.8872.14A	466	03.8893.40BDA	478	03.8917.40ANI	490	03.8941.40ACB	502	03.9105.40A	436
03.8848.14ANI	450	03.8872.14ACB	466	03.8896.14A	478	03.8917.40BDA	490	03.8941.40ANI	502	03.9105.40ACB	436
03.8848.14BDA	450	03.8872.14ANI	466	03.8896.14ACB	478	03.8920.14A	490	03.8941.40BDA	502	03.9105.40ANI	436
03.8848.40A	450	03.8872.14BDA	466	03.8896.14ANI	478	03.8920.14ACB	490	03.8944.14A	502	03.9105.40BDA	436
03.8848.40ACB	450	03.8872.40A	466	03.8896.14BDA	478	03.8920.14ANI	490	03.8944.14ACB	502	03.9106.14A	436
03.8848.40ANI	450	03.8872.40ACB	466	03.8896.40A	478	03.8920.14BDA	490	03.8944.14ANI	502	03.9106.14ACB	436
03.8848.40BDA	450	03.8872.40ANI	466	03.8896.40ACB	478	03.8920.40A	490	03.8944.14BDA	502	03.9106.14ANI	436
03.8849.14A	450	03.8872.40BDA	466	03.8896.40ANI	478	03.8920.40ACB	490	03.8944.40A	502	03.9106.14BDA	436
03.8849.14ACB	450	03.8873.14A	466	03.8896.40BDA	478	03.8920.40ANI	490	03.8944.40ACB	502	03.9106.40A	436
03.8849.14ANI	450	03.8873.14ACB	466	03.8897.14A	478	03.8920.40BDA	490	03.8944.40ANI	502	03.9106.40ACB	436
03.8849.14BDA	450	03.8873.14ANI	466	03.8897.14ACB	478	03.8921.14A	490	03.8944.40BDA	502	03.9106.40ANI	436
03.8849.40A	450	03.8873.14BDA	466	03.8897.14ANI	478	03.8921.14ACB	490	03.8945.14A	502	03.9106.40BDA	436
03.8849.40ACB	450	03.8873.40A	466	03.8897.14BDA	478	03.8921.14ANI	490	03.8945.14ACB	502	03.9110.14A	435
03.8849.40ANI	450	03.8873.40ACB	466	03.8897.40A	478	03.8921.14BDA	490	03.8945.14ANI	502	03.9110.14ACB	435
03.8849.40BDA	450	03.8873.40ANI	466	03.8897.40ACB	478	03.8921.40A	490	03.8945.14BDA	502	03.9110.14ANI	435
03.8852.14A	454	03.8873.40BDA	466	03.8897.40ANI	478	03.8921.40ACB	490	03.8945.40A	502	03.9110.14BDA	435
03.8852.14ACB	454	03.8876.14A	470	03.8897.40BDA	478	03.8921.40ANI	490	03.8945.40ACB	502	03.9110.40A	435
03.8852.14ANI	454	03.8876.14ACB	470	03.8900.14A	482	03.8921.40BDA	490	03.8945.40ANI	502	03.9110.40ACB	435
03.8852.14BDA	454	03.8876.14ANI	470	03.8900.14ACB	482	03.8924.14A	494	03.8945.40BDA	502	03.9110.40ANI	435
03.8852.40A	454	03.8876.14BDA	470	03.8900.14ANI	482	03.8924.14ACB	494	03.8948.14A	222	03.9110.40BDA	435
03.8852.40ACB	454	03.8876.40A	470	03.8900.14BDA	482	03.8924.14ANI	494	03.8948.14ACB	222	03.9111.14A	435
03.8852.40ANI	454	03.8876.40ACB	470	03.8900.40A	482	03.8924.14BDA	494	03.8948.14BDA	222	03.9111.14ACB	435
03.8852.40BDA	454	03.8876.40ANI	470	03.8900.40ACB	482	03.8924.40A	494	03.8948.40A	222	03.9111.14ANI	435
03.8853.14A	454	03.8876.40BDA	470	03.8900.40ANI	482	03.8924.40ACB	494	03.8948.40ACB	222	03.9111.14BDA	435
03.8853.14ACB	454	03.8877.14A	470	03.8900.40BDA	482	03.8924.40ANI	494	03.8948.40BDA	222	03.9111.40A	435
03.8853.14ANI	454	03.8877.14ACB	470	03.8901.14A	482	03.8924.40BDA	494	03.8949.14A	222	03.9111.40ACB	435
03.8853.14BDA	454	03.8877.14ANI	470	03.8901.14ACB	482	03.8925.14A	494	03.8949.14ACB	222	03.9111.40ANI	435
03.8853.40A	454	03.8877.14BDA	470	03.8901.14ANI	482	03.8925.14ACB	494	03.8949.14BDA	222	03.9111.40BDA	435
03.8853.40ACB	454	03.8877.40A	470	03.8901.14BDA	482	03.8925.14ANI	494	03.8949.40A	222	03.9115.14A	436
03.8853.40ANI	454	03.8877.40ACB	470	03.8901.40A	482	03.8925.14BDA	494	03.8949.40ACB	222	03.9115.14ACB	436
03.8853.40BDA	454	03.8877.40ANI	470	03.8901.40ACB	482	03.8925.40A	494	03.8949.40BDA	222	03.9115.14ANI	436
03.8856.14A	454	03.8877.40BDA	470	03.8901.40ANI	482	03.8925.40ACB	494	03.8952.14A	222	03.9115.14BDA	436
03.8856.14ACB	454	03.8880.14A	470	03.8901.40BDA	482	03.8925.40ANI	494	03.8952.14ACB	222	03.9115.40A	436
03.8856.14ANI	454	03.8880.14ACB	470	03.8904.14A	482	03.8925.40BDA	494	03.8952.14BDA	222	03.9115.40ACB	436
03.8856.14BDA	454	03.8880.14ANI	470	03.8904.14ACB	482	03.8928.14A	494	03.8952.40A	222	03.9115.40ANI	436
03.8856.40A	454	03.8880.14BDA	470	03.8904.14ANI	482	03.8928.14ACB	494	03.8952.40ACB	222	03.9115.40BDA	436
03.8856.40ACB	454	03.8880.40A	470	03.8904.14BDA	482	03.8928.14ANI	494	03.8952.40BDA	222	03.9116.14A	436
03.8856.40ANI	454	03.8880.40ACB	470	03.8904.40A	482	03.8928.14BDA	494	03.8953.14A	222	03.9116.14ACB	436
03.8856.40BDA	454	03.8880.40ANI	470	03.8904.40ACB	482	03.8928.40A	494	03.8953.14ACB	222	03.9116.14ANI	436
03.8857.14A	454	03.8880.40BDA	470	03.8904.40ANI	482	03.8928.40ACB	494	03.8953.14BDA	222	03.9116.14BDA	436
03.8857.14ACB	454	03.8881.14A	470	03.8904.40BDA	482	03.8928.40ANI	494	03.8953.40A	222	03.9116.40A	436
03.8857.14ANI	454	03.8881.14ACB	470	03.8905.14A	482	03.8928.40BDA	494	03.8953.40ACB	222	03.9116.40ACB	436
03.8857.14BDA	454	03.8881.14ANI	470	03.8905.14ACB	482	03.8929.14A	494	03.8953.40BDA	222	03.9116.40ANI	436
03.8857.40A	454	03.8881.14BDA	470	03.8905.14ANI	482	03.8929.14ACB	494	03.8956.14A	508	03.9116.40BDA	436
03.8857.40ACB	454	03.8881.40A	470	03.8905.14BDA	482	03.8929.14ANI	494	03.8956.14ADA	508	03.9120.14A	439
03.8857.40ANI	454	03.8881.40ACB	470	03.8905.40A	482	03.8929.14BDA	494	03.8956.40A	508	03.9120.14ACB	439
03.8857.40BDA	454	03.8881.40ANI	470	03.8905.40ACB	482	03.8929.40A	494	03.8956.40ADA	508	03.9120.14ANI	439
03.8860.14A	458	03.8881.40BDA	470	03.8905.40ANI	482	03.8929.40ACB	494	03.8957.14A	508	03.9120.14BDA	439
03.8860.14ACB	458	03.8884.14A	474	03.8905.40BDA	482	03.8929.40ANI	494	03.8957.14ADA	508	03.9120.40A	439
03.8860.14ANI	458	03.8884.14ACB	474	03.8908.14A	486	03.8929.40BDA	494	03.8957.40A	508	03.9120.40ACB	439
03.8860.14BDA	458	03.8884.14ANI	474	03.8908.14ACB	486	03.8932.14A	498	03.8957.40ADA	508	03.9120.40ANI	439
03.8860.40A	458	03.8884.14BDA	474	03.8908.14ANI	486	03.8932.14ACB	498	03.8960.14A	508	03.9120.40BDA	439
03.8860.40ACB	458	03.8884.40A	474	03.8908.14BDA	486	03.8932.14ANI	498	03.8960.14ADA	508	03.9121.14A	439
03.8860.40ANI	458	03.8884.40ACB	474	03.8908.40A	486	03.8932.14BDA	498	03.8960.40A	508	03.9121.14ACB	439
03.8860.40BDA	458	03.8884.40ANI	474	03.8908.40ACB	486	03.8932.40A	498	03.8960.40ADA	508	03.9121.14ANI	439
03.8861.14A	458	03.8884.40BDA	474	03.8908.40ANI	486	03.8932.40ACB	498	03.8961.14A	508	03.9121.14BDA	439
03.8861.14ACB	458	03.8885.14A	474	03.8908.40BDA	486	03.8932.40ANI	498	03.8961.14ADA	508	03.9121.40A	439
03.8861.14ANI	458	03.8885.14ACB	474	03.8909.14A	486	03.8932.40BDA	498	03.8961.40A	508	03.9121.40ACB	439
03.8861.14BDA	458	03.8885.14ANI	474	03.8909.14ACB	486	03.8933.14A	498	03.8961.40ADA	508	03.9121.40ANI	439
03.8861.40A	458	03.8885.14BDA	474	03.8909.14ANI	486	03.8933.14ACB	498	03.8964.14A	508	03.9121.40BDA	439
03.8861.40ACB	458	03.8885.40A	474	03.8909.14BDA	486	03.8933.14ANI	498	03.8964.14ADA	508	03.9125.14A	440
03.8861.40ANI	458	03.8885.40ACB	474	03.8909.40A	486	03.8933.14BDA	498	03.8964.40A	508	03.9125.14ACB	440
03.8861.40BDA	458	03.8885.40ANI	474	03.8909.40ACB	486	03.8933.40A	498	03.8964.40ADA	508	03.9125.14ANI	440
03.8864.14A	458	03.8885.40BDA	474	03.8909.40ANI	486	03.8933.40ACB	498	03.8965.14A	508	03.9125.14BDA	440
03.8864.14ACB	458	03.8888.14A	474	03.8909.40BDA	486	03.8933.40ANI	498	03.8965.14ADA	508	03.9125.40A	440
03.8864.14ANI	458	03.8888.14ACB	474	03.8912.14A	486	03.8933.40BDA	498	03.8965.40A	508	03.9125.40ACB	440
03.8864.14BDA	458	03.8888.14ANI	474	03.8912.14ACB	486	03.8936.14A	498	03.8965.40ADA	508	03.9125.40ANI	440
03.8864.40A	458	03.8888.14BDA	474	03.8912.14ANI	486	03.8936.14ACB	498	03.8968.14A	508	03.9125.40BDA	440

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03.9126.14A	440	03.9155.40BDA	448	03.9205.40ANI	456	03.9235.40ACB	460	03.9265.40A	472	03.9315.14BDA	476
03.9126.14ACB	440	03.9156.14A	448	03.9205.40BDA	456	03.9235.40ANI	460	03.9265.40ACB	472	03.9315.40A	476
03.9126.14ANI	440	03.9156.14ACB	448	03.9206.14A	456	03.9235.40BDA	460	03.9265.40ANI	472	03.9315.40ACB	476
03.9126.14BDA	440	03.9156.14ANI	448	03.9206.14ACB	456	03.9236.14A	460	03.9265.40BDA	472	03.9315.40ANI	476
03.9126.40A	440	03.9156.14BDA	448	03.9206.14ANI	456	03.9236.14ACB	460	03.9266.14A	472	03.9315.40BDA	476
03.9126.40ACB	440	03.9156.40A	448	03.9206.14BDA	456	03.9236.14ANI	460	03.9266.14ACB	472	03.9316.14A	476
03.9126.40ANI	440	03.9156.40ACB	448	03.9206.40A	456	03.9236.14BDA	460	03.9266.14ANI	472	03.9316.14ACB	476
03.9126.40BDA	440	03.9156.40ANI	448	03.9206.40ACB	456	03.9236.40A	460	03.9266.14BDA	472	03.9316.14ANI	476
03.9130.14A	439	03.9156.40BDA	448	03.9206.40ANI	456	03.9236.40ACB	460	03.9266.40A	472	03.9316.14BDA	476
03.9130.14ACB	439	03.9160.14A	451	03.9206.40BDA	456	03.9236.40ANI	460	03.9266.40ACB	472	03.9316.40A	476
03.9130.14ANI	439	03.9160.14ACB	451	03.9210.14A	455	03.9236.40BDA	460	03.9266.40ANI	472	03.9316.40ACB	476
03.9130.14BDA	439	03.9160.14ANI	451	03.9210.14ACB	455	03.9240.14A	467	03.9266.40BDA	472	03.9316.40ANI	476
03.9130.40A	439	03.9160.14BDA	451	03.9210.14ANI	455	03.9240.14ACB	467	03.9270.14A	471	03.9316.40BDA	476
03.9130.40ACB	439	03.9160.40A	451	03.9210.14BDA	455	03.9240.14ANI	467	03.9270.14ACB	471	03.9320.14A	479
03.9130.40ANI	439	03.9160.40ACB	451	03.9210.40A	455	03.9240.14BDA	467	03.9270.14ANI	471	03.9320.14ACB	479
03.9130.40BDA	439	03.9160.40ANI	451	03.9210.40ACB	455	03.9240.40A	467	03.9270.14BDA	471	03.9320.14ANI	479
03.9131.14A	439	03.9160.40BDA	451	03.9210.40ANI	455	03.9240.40ACB	467	03.9270.40A	471	03.9320.14BDA	479
03.9131.14ACB	439	03.9161.14A	451	03.9210.40BDA	455	03.9240.40ANI	467	03.9270.40ACB	471	03.9320.40A	479
03.9131.14ANI	439	03.9161.14ACB	451	03.9211.14A	455	03.9240.40BDA	467	03.9270.40ANI	471	03.9320.40ACB	479
03.9131.14BDA	439	03.9161.14ANI	451	03.9211.14ACB	455	03.9241.14A	467	03.9270.40BDA	471	03.9320.40ANI	479
03.9131.40A	439	03.9161.14BDA	451	03.9211.14ANI	455	03.9241.14ACB	467	03.9271.14A	471	03.9320.40BDA	479
03.9131.40ACB	439	03.9161.40A	451	03.9211.14BDA	455	03.9241.14ANI	467	03.9271.14ACB	471	03.9321.14A	479
03.9131.40ANI	439	03.9161.40ACB	451	03.9211.40A	455	03.9241.14BDA	467	03.9271.14ANI	471	03.9321.14ACB	479
03.9131.40BDA	439	03.9161.40ANI	451	03.9211.40ACB	455	03.9241.40A	467	03.9271.14BDA	471	03.9321.14ANI	479
03.9135.14A	440	03.9161.40BDA	451	03.9211.40ANI	455	03.9241.40ACB	467	03.9271.40A	471	03.9321.14BDA	479
03.9135.14ACB	440	03.9165.14A	452	03.9211.40BDA	455	03.9241.40ANI	467	03.9271.40ACB	471	03.9321.40A	479
03.9135.14ANI	440	03.9165.14ACB	452	03.9215.14A	456	03.9241.40BDA	467	03.9271.40ANI	471	03.9321.40ACB	479
03.9135.14BDA	440	03.9165.14ANI	452	03.9215.14ACB	456	03.9245.14A	468	03.9271.40BDA	471	03.9321.40ANI	479
03.9135.40A	440	03.9165.14BDA	452	03.9215.14ANI	456	03.9245.14ACB	468	03.9275.14A	472	03.9321.40BDA	479
03.9135.40ACB	440	03.9165.40A	452	03.9215.14BDA	456	03.9245.14ANI	468	03.9275.14ACB	472	03.9325.14A	480
03.9135.40ANI	440	03.9165.40ACB	452	03.9215.40A	456	03.9245.14BDA	468	03.9275.14ANI	472	03.9325.14ACB	480
03.9135.40BDA	440	03.9165.40ANI	452	03.9215.40ACB	456	03.9245.40A	468	03.9275.14BDA	472	03.9325.14ANI	480
03.9136.14A	440	03.9165.40BDA	452	03.9215.40ANI	456	03.9245.40ACB	468	03.9275.40A	472	03.9325.14BDA	480
03.9136.14ACB	440	03.9166.14A	452	03.9215.40BDA	456	03.9245.40ANI	468	03.9275.40ACB	472	03.9325.40A	480
03.9136.14ANI	440	03.9166.14ACB	452	03.9216.14A	456	03.9245.40BDA	468	03.9275.40ANI	472	03.9325.40ACB	480
03.9136.14BDA	440	03.9166.14ANI	452	03.9216.14ACB	456	03.9246.14A	468	03.9275.40BDA	472	03.9325.40ANI	480
03.9136.40A	440	03.9166.14BDA	452	03.9216.14ANI	456	03.9246.14ACB	468	03.9276.14A	472	03.9325.40BDA	480
03.9136.40ACB	440	03.9166.40A	452	03.9216.14BDA	456	03.9246.14ANI	468	03.9276.14ACB	472	03.9326.14A	480
03.9136.40ANI	440	03.9166.40ACB	452	03.9216.40A	456	03.9246.14BDA	468	03.9276.14ANI	472	03.9326.14ACB	480
03.9136.40BDA	440	03.9166.40ANI	452	03.9216.40ACB	456	03.9246.40A	468	03.9276.14BDA	472	03.9326.14ANI	480
03.9140.14A	447	03.9166.40BDA	452	03.9216.40ANI	456	03.9246.40ACB	468	03.9276.40A	472	03.9326.14BDA	480
03.9140.14ACB	447	03.9170.14A	451	03.9216.40BDA	456	03.9246.40ANI	468	03.9276.40ACB	472	03.9326.40A	480
03.9140.14ANI	447	03.9170.14ACB	451	03.9220.14A	459	03.9246.40BDA	468	03.9276.40ANI	472	03.9326.40ACB	480
03.9140.14BDA	447	03.9170.14ANI	451	03.9220.14ACB	459	03.9250.14A	467	03.9276.40BDA	472	03.9326.40ANI	480
03.9140.40A	447	03.9170.14BDA	451	03.9220.14ANI	459	03.9250.14ACB	467	03.9300.14A	475	03.9326.40BDA	480
03.9140.40ACB	447	03.9170.40A	451	03.9220.14BDA	459	03.9250.14ANI	467	03.9300.14ACB	475	03.9330.14A	479
03.9140.40ANI	447	03.9170.40ACB	451	03.9220.40A	459	03.9250.14BDA	467	03.9300.14ANI	475	03.9330.14ACB	479
03.9140.40BDA	447	03.9170.40ANI	451	03.9220.40ACB	459	03.9250.40A	467	03.9300.14BDA	475	03.9330.14ANI	479
03.9141.14A	447	03.9170.40BDA	451	03.9220.40ANI	459	03.9250.40ACB	467	03.9300.40A	475	03.9330.14BDA	479
03.9141.14ACB	447	03.9171.14A	451	03.9220.40BDA	459	03.9250.40ANI	467	03.9300.40ACB	475	03.9330.40A	479
03.9141.14ANI	447	03.9171.14ACB	451	03.9221.14A	459	03.9250.40BDA	467	03.9300.40ANI	475	03.9330.40ACB	479
03.9141.14BDA	447	03.9171.14ANI	451	03.9221.14ACB	459	03.9251.14A	467	03.9300.40BDA	475	03.9330.40ANI	479
03.9141.40A	447	03.9171.14BDA	451	03.9221.14ANI	459	03.9251.14ACB	467	03.9301.14A	475	03.9330.40BDA	479
03.9141.40ACB	447	03.9171.40A	451	03.9221.14BDA	459	03.9251.14ANI	467	03.9301.14ACB	475	03.9331.14A	479
03.9141.40ANI	447	03.9171.40ACB	451	03.9221.40A	459	03.9251.14BDA	467	03.9301.14ANI	475	03.9331.14ACB	479
03.9141.40BDA	447	03.9171.40ANI	451	03.9221.40ACB	459	03.9251.40A	467	03.9301.14BDA	475	03.9331.14ANI	479
03.9145.14A	448	03.9171.40BDA	451	03.9221.40ANI	459	03.9251.40ACB	467	03.9301.40A	475	03.9331.14BDA	479
03.9145.14ACB	448	03.9175.14A	452	03.9221.40BDA	459	03.9251.40ANI	467	03.9301.40ACB	475	03.9331.40A	479
03.9145.14ANI	448	03.9175.14ACB	452	03.9225.14A	460	03.9251.40BDA	467	03.9301.40ANI	475	03.9331.40ACB	479
03.9145.14BDA	448	03.9175.14ANI	452	03.9225.14ACB	460	03.9255.14A	468	03.9301.40BDA	475	03.9331.40ANI	479
03.9145.40A	448	03.9175.14BDA	452	03.9225.14ANI	460	03.9255.14ACB	468	03.9305.14A	476	03.9331.40BDA	479
03.9145.40ACB	448	03.9175.40A	452	03.9225.14BDA	460	03.9255.14ANI	468	03.9305.14ACB	476	03.9335.14A	480
03.9145.40ANI	448	03.9175.40ACB	452	03.9225.40A	460	03.9255.14BDA	468	03.9305.14ANI	476	03.9335.14ACB	480
03.9145.40BDA	448	03.9175.40ANI	452	03.9225.40ACB	460	03.9255.40A	468	03.9305.14BDA	476	03.9335.14ANI	480
03.9146.14A	448	03.9175.40BDA	452	03.9225.40ANI	460	03.9255.40ACB	468	03.9305.40A	476	03.9335.14BDA	480
03.9146.14ACB	448	03.9176.14A	452	03.9225.40BDA	460	03.9255.40ANI	468	03.9305.40ACB	476	03.9335.40A	480
03.9146.14ANI	448	03.9176.14ACB	452	03.9226.14A	460	03.9255.40BDA	468	03.9305.40ANI	476	03.9335.40ACB	480
03.9146.14BDA	448	03.9176.14ANI	452	03.9226.14ACB	460	03.9256.14A	468	03.9305.40BDA	476	03.9335.40ANI	480
03.9146.40A	448	03.9176.14BDA	452	03.9226.14ANI	460	03.9256.14ACB	468	03.9306.14A	476	03.9335.40BDA	480
03.9146.40ACB	448	03.9176.40A	452	03.9226.14BDA	460	03.9256.14ANI	468	03.9306.14ACB	476	03.9336.14A	480
03.9146.40ANI	448	03.9176.40ACB	452	03.9226.40A	460	03.9256.14BDA	468	03.9306.14ANI	476	03.9336.14ACB	480
03.9146.40BDA	448	03.9176.40ANI	452	03.9226.40ACB	460	03.9256.40A	468	03.9306.14BDA	476	03.9336.14ANI	480
03.9150.14A	447	03.9176.40BDA	452	03.9226.40ANI	460	03.9256.40ACB	468	03.9306.40A	476	03.9336.14BDA	480
03.9150.14ACB	447	03.9200.14A	455	03.9226.40BDA	460	03.9256.40ANI	468	03.9306.40ACB	476	03.9336.40A	480
03.9150.14ANI	447	03.9200.14ACB	455	03.9230.14A	459	03.9256.40BDA	468	03.9306.40ANI	476	03.9336.40ACB	480
03.9150.14BDA	447	03.9200.14ANI	455	03.9230.14ACB	459	03.9260.14A	471	03.9306.40BDA	476	03.9336.40ANI	480
03.9150.40A	447	03.9200.14BDA	455	03.9230.14ANI	459	03.9260.14ACB	471	03.9310.14A	475	03.9336.40BDA	480
03.9150.40ACB	447	03.9200.40A	455	03.9230.14BDA	459	03.9260.14ANI	471	03.9310.14ACB	475	03.9340.14A	483
03.9150.40ANI	447	03.9200.40ACB	455	03.9230.40A	459	03.9260.14BDA	471	03.9310.14ANI	475	03.9340.14ACB	483
03.9150.40BDA	447	03.9200.40ANI	455	03.9230.40ACB	459	03.9260.40A	471	03.9310.14BDA	475	03.9340.14ANI	483
03.9151.14A	447	03.9200.40BDA	455	03.9230.40ANI	459	03.9260.40ACB	471	03.9310.40A	475	03.9340.14BDA	483
03.9151.14ACB	447	03.9201.14A	455	03.9230.40BDA	459	03.9260.40ANI	471	03.9310.40ACB	475	03.9340.40A	483
03.9151.14ANI	447	03.9201.14ACB	455	03.9231.14A	459	03.9260.40BDA	471	03.9310.40ANI	475	03.9340.40ACB	483
03.9151.14BDA	447	03.9201.14ANI	455	03.9231.14ACB	459	03.9261.14A	471	03.9310.40BDA	475	03.9340.40ANI	483
03.9151.40A	447	03.9201.14BDA	455	03.9231.14ANI	459	03.9261.14ACB	471	03.9311.14A	475	03.9340.40BDA	483
03.9151.40ACB	447	03.9201.40A	455	03.9231.14BDA	459	03.9261.14ANI	471	03.9311.14ACB	475	03.9341.14A	483
03.9151.40ANI	447	03.9201.40ACB	455	03.9231.40A	459	03.9261.14BDA	471	03.9311.14ANI	475	03.9341.14ACB	483
03.9151.40BDA	447	03.9201.40ANI	455	03.9231.40ACB	459	03.9261.40A	471	03.9311.14BDA	475	03.9341.14ANI	483
03.9155.14A	448	03.9201.40BDA	455	03.9231.40ANI	459	03.9261.40ACB	471	03.9311.40A	475	03.9341.14BDA	483
03.9155.14ACB	448	03.9205.14A	456	03.9231.40BDA	459	03.9261.40ANI	471	03.9311.40ACB	475	03.9341.40A	483
03.9155.14ANI	448	03.9205.14ACB	456	03.9235.14A	460	03.9261.40BDA	471	03.9311.40ANI	475	03.9341.40ACB	483
03.9155.14BDA	448	03.9205.14ANI	456	03.9235.14ACB	460	03.9265.14A	472	03.9311.40BDA	475	03.9341.40ANI	483
03.9155.40A	448	03.9205.14BDA	456	03.9235.14ANI	460	03.9265.14ACB	472	03.9315.14A	476	03.9341.40BDA	483
03.9155.40ACB	448	03.9205.40A	456	03.9235.14BDA	460	03.9265.14ANI	472	03.9315.14ACB	476	03.9345.14A	484
03.9155.40ANI	448	03.9205.40ACB	456	03.9235.40A	460	03.9265.14BDA	472	03.9315.14ANI	476	03.9345.14ACB	484

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03.9345.14ANI	484	03.9375.14ACB	488	03.9425.14A	496	03.9451.40BDA	499	03.9502.EU	784	03.9661.40BDA	225
03.9345.14BDA	484	03.9375.14ANI	488	03.9425.14ACB	496	03.9455.14A	500	03.9503.02	784	03.9664.14A	225
03.9345.40A	484	03.9375.14BDA	488	03.9425.14ANI	496	03.9455.14ACB	500	03.9503.14	784	03.9664.14ACB	225
03.9345.40ACB	484	03.9375.40A	488	03.9425.14BDA	496	03.9455.14ANI	500	03.9503.40	784	03.9664.14BDA	225
03.9345.40ANI	484	03.9375.40ACB	488	03.9425.40A	496	03.9455.14BDA	500	03.9503.ET	784	03.9664.40A	225
03.9345.40BDA	484	03.9375.40ANI	488	03.9425.40ACB	496	03.9455.40A	500	03.9503.EU	784	03.9664.40ACB	225
03.9346.14A	484	03.9375.40BDA	488	03.9425.40ANI	496	03.9455.40ACB	500	03.9510.02	784	03.9664.40BDA	225
03.9346.14ACB	484	03.9376.14A	488	03.9425.40BDA	496	03.9455.40ANI	500	03.9510.14	784	03.9665.14A	225
03.9346.14ANI	484	03.9376.14ACB	488	03.9426.14A	496	03.9455.40BDA	500	03.9510.40	784	03.9665.14ACB	225
03.9346.14BDA	484	03.9376.14ANI	488	03.9426.14ACB	496	03.9456.14A	500	03.9510.ET	784	03.9665.14BDA	225
03.9346.40A	484	03.9376.14BDA	488	03.9426.14ANI	496	03.9456.14ACB	500	03.9510.EU	784	03.9665.40A	225
03.9346.40ACB	484	03.9376.40A	488	03.9426.14BDA	496	03.9456.14ANI	500	03.9511.02	784	03.9665.40ACB	225
03.9346.40ANI	484	03.9376.40ACB	488	03.9426.40A	496	03.9456.14BDA	500	03.9511.14	784	03.9665.40BDA	225
03.9346.40BDA	484	03.9376.40ANI	488	03.9426.40ACB	496	03.9456.40A	500	03.9511.40	784	03.9720.14A	509
03.9350.14A	483	03.9376.40BDA	488	03.9426.40ANI	496	03.9456.40ACB	500	03.9511.ET	784	03.9720.14ADA	509
03.9350.14ACB	483	03.9400.14A	491	03.9426.40BDA	496	03.9456.40ANI	500	03.9511.EU	784	03.9720.40A	509
03.9350.14ANI	483	03.9400.14ACB	491	03.9430.14A	495	03.9456.40BDA	500	03.9560.02	785	03.9720.40ADA	509
03.9350.14BDA	483	03.9400.14ANI	491	03.9430.14ACB	495	03.9460.14A	503	03.9560.14	785	03.9721.14A	509
03.9350.40A	483	03.9400.14BDA	491	03.9430.14ANI	495	03.9460.14ACB	503	03.9560.40	785	03.9721.14ADA	509
03.9350.40ACB	483	03.9400.40A	491	03.9430.14BDA	495	03.9460.14ANI	503	03.9560.ET	785	03.9721.40A	509
03.9350.40ANI	483	03.9400.40ACB	491	03.9430.40A	495	03.9460.14BDA	503	03.9560.EU	785	03.9721.40ADA	509
03.9350.40BDA	483	03.9400.40ANI	491	03.9430.40ACB	495	03.9460.40A	503	03.9561.02	785	03.9725.14A	510
03.9351.14A	483	03.9400.40BDA	491	03.9430.40ANI	495	03.9460.40ACB	503	03.9561.14	785	03.9725.14ADA	510
03.9351.14ACB	483	03.9401.14A	491	03.9430.40BDA	495	03.9460.40ANI	503	03.9561.40	785	03.9725.40A	510
03.9351.14ANI	483	03.9401.14ACB	491	03.9431.14A	495	03.9460.40BDA	503	03.9561.ET	785	03.9725.40ADA	510
03.9351.14BDA	483	03.9401.14ANI	491	03.9431.14ACB	495	03.9461.14A	503	03.9561.EU	785	03.9726.14A	510
03.9351.40A	483	03.9401.14BDA	491	03.9431.14ANI	495	03.9461.14ACB	503	03.9570.02	785	03.9726.14ADA	510
03.9351.40ACB	483	03.9401.40A	491	03.9431.14BDA	495	03.9461.14ANI	503	03.9570.14	785	03.9726.40A	510
03.9351.40ANI	483	03.9401.40ACB	491	03.9431.40A	495	03.9461.14BDA	503	03.9570.40	785	03.9726.40ADA	510
03.9351.40BDA	483	03.9401.40ANI	491	03.9431.40ACB	495	03.9461.40A	503	03.9570.ET	785	03.9730.14A	509
03.9355.14A	484	03.9401.40BDA	491	03.9431.40ANI	495	03.9461.40ACB	503	03.9570.EU	785	03.9730.14ADA	509
03.9355.14ACB	484	03.9405.14A	492	03.9431.40BDA	495	03.9461.40ANI	503	03.9571.02	785	03.9730.40A	509
03.9355.14ANI	484	03.9405.14ACB	492	03.9435.14A	496	03.9461.40BDA	503	03.9571.14	785	03.9730.40ADA	509
03.9355.14BDA	484	03.9405.14ANI	492	03.9435.14ACB	496	03.9465.14A	504	03.9571.40	785	03.9731.14A	509
03.9355.40A	484	03.9405.14BDA	492	03.9435.14ANI	496	03.9465.14ACB	504	03.9571.ET	785	03.9731.14ADA	509
03.9355.40ACB	484	03.9405.40A	492	03.9435.14BDA	496	03.9465.14ANI	504	03.9571.EU	785	03.9731.40A	509
03.9355.40ANI	484	03.9405.40ACB	492	03.9435.40A	496	03.9465.14BDA	504	03.9620.14A	223	03.9731.40ADA	509
03.9355.40BDA	484	03.9405.40ANI	492	03.9435.40ACB	496	03.9465.40A	504	03.9620.14ACB	223	03.9735.14A	510
03.9356.14A	484	03.9405.40BDA	492	03.9435.40ANI	496	03.9465.40ACB	504	03.9620.14BDA	223	03.9735.14ADA	510
03.9356.14ACB	484	03.9406.14A	492	03.9435.40BDA	496	03.9465.40ANI	504	03.9620.40A	223	03.9735.40A	510
03.9356.14ANI	484	03.9406.14ACB	492	03.9436.14A	496	03.9465.40BDA	504	03.9620.40ACB	223	03.9735.40ADA	510
03.9356.14BDA	484	03.9406.14ANI	492	03.9436.14ACB	496	03.9466.14A	504	03.9620.40BDA	223	03.9736.14A	510
03.9356.40A	484	03.9406.14BDA	492	03.9436.14ANI	496	03.9466.14ACB	504	03.9621.14A	223	03.9736.14ADA	510
03.9356.40ACB	484	03.9406.40A	492	03.9436.14BDA	496	03.9466.14ANI	504	03.9621.14ACB	223	03.9736.40A	510
03.9356.40ANI	484	03.9406.40ACB	492	03.9436.40A	496	03.9466.14BDA	504	03.9621.14BDA	223	03.9736.40ADA	510
03.9356.40BDA	484	03.9406.40ANI	492	03.9436.40ACB	496	03.9466.40A	504	03.9621.40A	223	03.9760.14A	511
03.9360.14A	487	03.9406.40BDA	492	03.9436.40ANI	496	03.9466.40ACB	504	03.9621.40ACB	223	03.9760.14ADA	511
03.9360.14ACB	487	03.9410.14A	491	03.9436.40BDA	496	03.9466.40ANI	504	03.9621.40BDA	223	03.9760.40A	511
03.9360.14ANI	487	03.9410.14ACB	491	03.9440.14A	499	03.9466.40BDA	504	03.9625.14A	224	03.9760.40ADA	511
03.9360.14BDA	487	03.9410.14ANI	491	03.9440.14ACB	499	03.9470.14A	503	03.9625.14ACB	224	03.9761.14A	511
03.9360.40A	487	03.9410.14BDA	491	03.9440.14ANI	499	03.9470.14ACB	503	03.9625.14BDA	224	03.9761.14ADA	511
03.9360.40ACB	487	03.9410.40A	491	03.9440.14BDA	499	03.9470.14ANI	503	03.9625.40A	224	03.9761.40A	511
03.9360.40ANI	487	03.9410.40ACB	491	03.9440.40A	499	03.9470.14BDA	503	03.9625.40ACB	224	03.9761.40ADA	511
03.9360.40BDA	487	03.9410.40ANI	491	03.9440.40ACB	499	03.9470.40A	503	03.9625.40BDA	224	03.9764.14A	511
03.9361.14A	487	03.9410.40BDA	491	03.9440.40ANI	499	03.9470.40ACB	503	03.9626.14A	224	03.9764.14ADA	511
03.9361.14ACB	487	03.9411.14A	491	03.9440.40BDA	499	03.9470.40ANI	503	03.9626.14ACB	224	03.9764.40A	511
03.9361.14ANI	487	03.9411.14ACB	491	03.9441.14A	499	03.9470.40BDA	503	03.9626.14BDA	224	03.9764.40ADA	511
03.9361.14BDA	487	03.9411.14ANI	491	03.9441.14ACB	499	03.9471.14A	503	03.9626.40A	224	03.9765.14A	511
03.9361.40A	487	03.9411.14BDA	491	03.9441.14ANI	499	03.9471.14ACB	503	03.9626.40ACB	224	03.9765.14ADA	511
03.9361.40ACB	487	03.9411.40A	491	03.9441.14BDA	499	03.9471.14ANI	503	03.9626.40BDA	224	03.9765.40A	511
03.9361.40ANI	487	03.9411.40ACB	491	03.9441.40A	499	03.9471.14BDA	503	03.9630.14A	223	03.9765.40ADA	511
03.9361.40BDA	487	03.9411.40ANI	491	03.9441.40ACB	499	03.9471.40A	503	03.9630.14ACB	223	03.9820.14A	509
03.9365.14A	488	03.9411.40BDA	491	03.9441.40ANI	499	03.9471.40ACB	503	03.9630.14BDA	223	03.9820.14ADA	509
03.9365.14ACB	488	03.9415.14A	492	03.9441.40BDA	499	03.9471.40ANI	503	03.9630.40A	223	03.9820.40A	509
03.9365.14ANI	488	03.9415.14ACB	492	03.9445.14A	500	03.9471.40BDA	503	03.9630.40ACB	223	03.9820.40ADA	509
03.9365.14BDA	488	03.9415.14ANI	492	03.9445.14ACB	500	03.9475.14A	504	03.9630.40BDA	223	03.9821.14A	509
03.9365.40A	488	03.9415.14BDA	492	03.9445.14ANI	500	03.9475.14ACB	504	03.9631.14A	223	03.9821.14ADA	509
03.9365.40ACB	488	03.9415.40A	492	03.9445.14BDA	500	03.9475.14ANI	504	03.9631.14ACB	223	03.9821.40A	509
03.9365.40ANI	488	03.9415.40ACB	492	03.9445.40A	500	03.9475.14BDA	504	03.9631.14BDA	223	03.9821.40ADA	509
03.9365.40BDA	488	03.9415.40ANI	492	03.9445.40ACB	500	03.9475.40A	504	03.9631.40A	223	03.9825.14A	510
03.9366.14A	488	03.9415.40BDA	492	03.9445.40ANI	500	03.9475.40ACB	504	03.9631.40ACB	223	03.9825.14ADA	510
03.9366.14ACB	488	03.9416.14A	492	03.9445.40BDA	500	03.9475.40ANI	504	03.9631.40BDA	223	03.9825.40A	510
03.9366.14ANI	488	03.9416.14ACB	492	03.9446.14A	500	03.9475.40BDA	504	03.9635.14A	224	03.9825.40ADA	510
03.9366.14BDA	488	03.9416.14ANI	492	03.9446.14ACB	500	03.9476.14A	504	03.9635.14ACB	224	03.9826.14A	510
03.9366.40A	488	03.9416.14BDA	492	03.9446.14ANI	500	03.9476.14ACB	504	03.9635.14BDA	224	03.9826.14ADA	510
03.9366.40ACB	488	03.9416.40A	492	03.9446.14BDA	500	03.9476.14ANI	504	03.9635.40A	224	03.9826.40A	510
03.9366.40ANI	488	03.9416.40ACB	492	03.9446.40A	500	03.9476.14BDA	504	03.9635.40ACB	224	03.9826.40ADA	510
03.9366.40BDA	488	03.9416.40ANI	492	03.9446.40ACB	500	03.9476.40A	504	03.9635.40BDA	224	03.9830.14A	509
03.9370.14A	487	03.9416.40BDA	492	03.9446.40ANI	500	03.9476.40ACB	504	03.9636.14A	224	03.9830.14ADA	509
03.9370.14ACB	487	03.9420.14A	495	03.9446.40BDA	500	03.9476.40ANI	504	03.9636.14ACB	224	03.9830.40A	509
03.9370.14ANI	487	03.9420.14ACB	495	03.9450.14A	499	03.9476.40BDA	504	03.9636.14BDA	224	03.9830.40ADA	509
03.9370.14BDA	487	03.9420.14ANI	495	03.9450.14ACB	499	03.9500.02	784	03.9636.40A	224	03.9831.14A	509
03.9370.40A	487	03.9420.14BDA	495	03.9450.14ANI	499	03.9500.14	784	03.9636.40ACB	224	03.9831.14ADA	509
03.9370.40ACB	487	03.9420.40A	495	03.9450.14BDA	499	03.9500.40	784	03.9636.40BDA	224	03.9831.40A	509
03.9370.40ANI	487	03.9420.40ACB	495	03.9450.40A	499	03.9500.ET	784	03.9660.14A	225	03.9831.40ADA	509
03.9370.40BDA	487	03.9420.40ANI	495	03.9450.40ACB	499	03.9500.EU	784	03.9660.14ACB	225	03.9835.14A	510
03.9371.14A	487	03.9420.40BDA	495	03.9450.40ANI	499	03.9501.02	784	03.9660.14BDA	225	03.9835.14ADA	510
03.9371.14ACB	487	03.9421.14A	495	03.9450.40BDA	499	03.9501.14	784	03.9660.40A	225	03.9835.40A	510
03.9371.14ANI	487	03.9421.14ACB	495	03.9451.14A	499	03.9501.40	784	03.9660.40ACB	225	03.9835.40ADA	510
03.9371.14BDA	487	03.9421.14ANI	495	03.9451.14ACB	499	03.9501.ET	784	03.9660.40BDA	225	03.9836.14A	510
03.9371.40A	487	03.9421.14BDA	495	03.9451.14ANI	499	03.9501.EU	784	03.9661.14A	225	03.9836.14ADA	510
03.9371.40ACB	487	03.9421.40A	495	03.9451.14BDA	499	03.9502.02	784	03.9661.14ACB	225	03.9836.40A	510
03.9371.40ANI	487	03.9421.40ACB	495	03.9451.40A	499	03.9502.14	784	03.9661.14BDA	225	03.9836.40ADA	510
03.9371.40BDA	487	03.9421.40ANI	495	03.9451.40ACB	499	03.9502.40	784	03.9661.40A	225	03.9860.14A	511
03.9375.14A	488	03.9421.40BDA	495	03.9451.40ANI	499	03.9502.ET	784	03.9661.40ACB	225	03.9860.14ADA	511

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03.9860.40ADA	511	03.9920.ER	546	03.9957.ER	540	03.9982.ER	548	05.0608.40	442	05.0620.14.NI	444
03.9861.14A	511	03.9920.ES	546	03.9957.ES	540	03.9982.ES	548	05.0608.40.CB	442	05.0620.40	444
03.9861.14ADA	511	03.9921.14	546	03.9960.14	546	03.9983.14	548	05.0608.40.DA	442	05.0620.40.CB	444
03.9861.40A	511	03.9921.40A	546	03.9960.40A	546	03.9983.40A	548	05.0608.40.NI	442	05.0620.40.DA	444
03.9861.40ADA	511	03.9921.EQ	546	03.9960.EQ	546	03.9983.EQ	548	05.0609.14	442	05.0620.40.NI	444
03.9864.14A	511	03.9921.ER	546	03.9960.ER	546	03.9983.ER	548	05.0609.14.CB	442	05.0621.14	444
03.9864.14ADA	511	03.9921.ES	546	03.9960.ES	546	03.9983.ES	548	05.0609.14.DA	442	05.0621.14.CB	444
03.9864.40A	511	03.9922.14	546	03.9961.14	546	03.9985.14	548	05.0609.14.NI	442	05.0621.14.DA	444
03.9864.40ADA	511	03.9922.40A	546	03.9961.40A	546	03.9985.40A	548	05.0609.40	442	05.0621.14.NI	444
03.9865.14A	511	03.9922.EQ	546	03.9961.EQ	546	03.9985.EQ	548	05.0609.40.CB	442	05.0621.40	444
03.9865.14ADA	511	03.9922.ER	546	03.9961.ER	546	03.9985.ER	548	05.0609.40.DA	442	05.0621.40.CB	444
03.9865.40A	511	03.9922.ES	546	03.9961.ES	546	03.9985.ES	548	05.0609.40.NI	442	05.0621.40.DA	444
03.9865.40ADA	511	03.9923.14	547	03.9962.14	546	03.9986.14	548	05.0610.14	443	05.0621.40.NI	444
03.9890.14	549	03.9923.40A	547	03.9962.40A	546	03.9986.40A	548	05.0610.14.CB	443	05.0622.14	444
03.9890.40	549	03.9923.EQ	547	03.9962.EQ	546	03.9986.EQ	548	05.0610.14.DA	443	05.0622.14.CB	444
03.9890.EQ	549	03.9923.ER	547	03.9962.ER	546	03.9986.ER	548	05.0610.14.NI	443	05.0622.14.DA	444
03.9890.ER	549	03.9923.ES	547	03.9962.ES	546	03.9986.ES	548	05.0610.40	443	05.0622.14.NI	444
03.9890.ES	549	03.9924.14	546	03.9963.14	547	03.9987.14	548	05.0610.40.CB	443	05.0622.40	444
03.9891.14	549	03.9924.40A	546	03.9963.40A	547	03.9987.40A	548	05.0610.40.DA	443	05.0622.40.CB	444
03.9891.40	549	03.9924.EQ	546	03.9963.EQ	547	03.9987.EQ	548	05.0610.40.NI	443	05.0622.40.DA	444
03.9891.EQ	549	03.9924.ER	546	03.9963.ER	547	03.9987.ER	548	05.0611.14	443	05.0622.40.NI	444
03.9891.ER	549	03.9924.ES	546	03.9963.ES	547	03.9987.ES	548	05.0611.14.CB	443	05.0623.14	444
03.9891.ES	549	03.9931.14A	541	03.9964.14	546	03.9988.14	548	05.0611.14.DA	443	05.0623.14.CB	444
03.9892.14	549	03.9931.40B	541	03.9964.40A	546	03.9988.40A	548	05.0611.14.NI	443	05.0623.14.DA	444
03.9892.40	549	03.9931.EQA	541	03.9964.EQ	546	03.9988.EQ	548	05.0611.40	443	05.0623.14.NI	444
03.9892.EQ	549	03.9931.ERA	541	03.9964.ER	546	03.9988.ER	548	05.0611.40.CB	443	05.0623.40	444
03.9892.ER	549	03.9931.ESA	541	03.9964.ES	546	03.9988.ES	548	05.0611.40.DA	443	05.0623.40.CB	444
03.9892.ES	549	03.9932.14A	541	03.9965.14	546	05.0600.14	442	05.0611.40.NI	443	05.0623.40.DA	444
03.9900.14A	506	03.9932.40B	541	03.9965.40A	546	05.0600.14.CB	442	05.0612.14	443	05.0623.40.NI	444
03.9900.14ACB	506	03.9932.EQA	541	03.9965.EQ	546	05.0600.14.DA	442	05.0612.14.CB	443	05.0624.14	444
03.9900.14ANI	506	03.9932.ERA	541	03.9965.ER	546	05.0600.14.NI	442	05.0612.14.DA	443	05.0624.14.CB	444
03.9900.14BDA	506	03.9932.ESA	541	03.9965.ES	546	05.0600.40	442	05.0612.14.NI	443	05.0624.14.DA	444
03.9900.40A	506	03.9933.14A	541	03.9966.14	546	05.0600.40.CB	442	05.0612.40	443	05.0624.14.NI	444
03.9900.40ACB	506	03.9933.40B	541	03.9966.40A	546	05.0600.40.DA	442	05.0612.40.CB	443	05.0624.40	444
03.9900.40ANI	506	03.9933.EQA	541	03.9966.EQ	546	05.0600.40.NI	442	05.0612.40.DA	443	05.0624.40.CB	444
03.9900.40BDA	506	03.9933.ERA	541	03.9966.ER	546	05.0601.14	442	05.0612.40.NI	443	05.0624.40.DA	444
03.9901.14A	506	03.9933.ESA	541	03.9966.ES	546	05.0601.14.CB	442	05.0613.14	443	05.0624.40.NI	444
03.9901.14ACB	506	03.9940.14	548	03.9967.14	547	05.0601.14.DA	442	05.0613.14.CB	443	05.0625.14	444
03.9901.14ANI	506	03.9940.40A	548	03.9967.40A	547	05.0601.14.NI	442	05.0613.14.DA	443	05.0625.14.CB	444
03.9901.14BDA	506	03.9940.EQ	548	03.9967.EQ	547	05.0601.40	442	05.0613.14.NI	443	05.0625.14.DA	444
03.9901.40A	506	03.9940.ER	548	03.9967.ER	547	05.0601.40.CB	442	05.0613.40	443	05.0625.14.NI	444
03.9901.40ACB	506	03.9940.ES	548	03.9967.ES	547	05.0601.40.DA	442	05.0613.40.CB	443	05.0625.40	444
03.9901.40ANI	506	03.9941.14	548	03.9968.14	546	05.0601.40.NI	442	05.0613.40.DA	443	05.0625.40.CB	444
03.9901.40BDA	506	03.9941.40A	548	03.9968.40A	546	05.0602.14	442	05.0613.40.NI	443	05.0625.40.DA	444
03.9902.14A	506	03.9941.EQ	548	03.9968.EQ	546	05.0602.14.CB	442	05.0614.14	443	05.0625.40.NI	444
03.9902.14ACB	506	03.9941.ER	548	03.9968.ER	546	05.0602.14.DA	442	05.0614.14.CB	443	05.0626.14	444
03.9902.14ANI	506	03.9941.ES	548	03.9968.ES	546	05.0602.14.NI	442	05.0614.14.DA	443	05.0626.14.CB	444
03.9902.14BDA	506	03.9942.14	548	03.9969.14	546	05.0602.40	442	05.0614.14.NI	443	05.0626.14.DA	444
03.9902.40A	506	03.9942.40A	548	03.9969.40A	546	05.0602.40.CB	442	05.0614.40	443	05.0626.14.NI	444
03.9902.40ACB	506	03.9942.EQ	548	03.9969.EQ	546	05.0602.40.DA	442	05.0614.40.CB	443	05.0626.40	444
03.9902.40ANI	506	03.9942.ER	548	03.9969.ER	546	05.0602.40.NI	442	05.0614.40.DA	443	05.0626.40.CB	444
03.9902.40BDA	506	03.9942.ES	548	03.9969.ES	546	05.0603.14	442	05.0614.40.NI	443	05.0626.40.DA	444
03.9903.14A	506	03.9943.14	548	03.9971.14A	541	05.0603.14.CB	442	05.0615.14	443	05.0626.40.NI	444
03.9903.14ACB	506	03.9943.40A	548	03.9971.40B	541	05.0603.14.DA	442	05.0615.14.CB	443	05.0627.14	444
03.9903.14ANI	506	03.9943.EQ	548	03.9971.EQA	541	05.0603.14.NI	442	05.0615.14.DA	443	05.0627.14.CB	444
03.9903.14BDA	506	03.9943.ER	548	03.9971.ERA	541	05.0603.40	442	05.0615.14.NI	443	05.0627.14.DA	444
03.9903.40A	506	03.9943.ES	548	03.9971.ESA	541	05.0603.40.CB	442	05.0615.40	443	05.0627.14.NI	444
03.9903.40ACB	506	03.9950.14	540	03.9972.14A	541	05.0603.40.DA	442	05.0615.40.CB	443	05.0627.40	444
03.9903.40ANI	506	03.9950.40A	540	03.9972.40B	541	05.0603.40.NI	442	05.0615.40.DA	443	05.0627.40.CB	444
03.9903.40BDA	506	03.9950.EQ	540	03.9972.EQA	541	05.0604.14	442	05.0615.40.NI	443	05.0627.40.DA	444
03.9904.14A	226	03.9950.ER	540	03.9972.ERA	541	05.0604.14.CB	442	05.0616.14	443	05.0627.40.NI	444
03.9904.14ACB	226	03.9950.ES	540	03.9972.ESA	541	05.0604.14.DA	442	05.0616.14.CB	443	05.0628.14	444
03.9904.14BDA	226	03.9951.14	540	03.9973.14A	541	05.0604.14.NI	442	05.0616.14.DA	443	05.0628.14.CB	444
03.9904.40A	226	03.9951.40A	540	03.9973.40B	541	05.0604.40	442	05.0616.14.NI	443	05.0628.14.DA	444
03.9904.40ACB	226	03.9951.EQ	540	03.9973.EQA	541	05.0604.40.CB	442	05.0616.40	443	05.0628.14.NI	444
03.9904.40BDA	226	03.9951.ER	540	03.9973.ERA	541	05.0604.40.DA	442	05.0616.40.CB	443	05.0628.40	444
03.9905.14A	226	03.9951.ES	540	03.9973.ESA	541	05.0604.40.NI	442	05.0616.40.DA	443	05.0628.40.CB	444
03.9905.14ACB	226	03.9952.14	540	03.9976.14A	541	05.0605.14	442	05.0616.40.NI	443	05.0628.40.DA	444
03.9905.14BDA	226	03.9952.40A	540	03.9976.40B	541	05.0605.14.CB	442	05.0617.14	443	05.0628.40.NI	444
03.9905.40A	226	03.9952.EQ	540	03.9976.EQA	541	05.0605.14.DA	442	05.0617.14.CB	443	05.0629.14	444
03.9905.40ACB	226	03.9952.ER	540	03.9976.ERA	541	05.0605.14.NI	442	05.0617.14.DA	443	05.0629.14.CB	444
03.9905.40BDA	226	03.9952.ES	540	03.9976.ESA	541	05.0605.40	442	05.0617.14.NI	443	05.0629.14.DA	444
03.9910.14	540	03.9953.14	540	03.9977.14A	541	05.0605.40.CB	442	05.0617.40	443	05.0629.14.NI	444
03.9910.40A	540	03.9953.40A	540	03.9977.40B	541	05.0605.40.DA	442	05.0617.40.CB	443	05.0629.40	444
03.9910.EQ	540	03.9953.EQ	540	03.9977.EQA	541	05.0605.40.NI	442	05.0617.40.DA	443	05.0629.40.CB	444
03.9910.ER	540	03.9953.ER	540	03.9977.ERA	541	05.0606.14	442	05.0617.40.NI	443	05.0629.40.DA	444
03.9910.ES	540	03.9953.ES	540	03.9977.ESA	541	05.0606.14.CB	442	05.0618.14	443	05.0629.40.NI	444
03.9911.14	540	03.9954.14	540	03.9978.14A	541	05.0606.14.DA	442	05.0618.14.CB	443	05.0630.14	445
03.9911.40A	540	03.9954.40A	540	03.9978.40B	541	05.0606.14.NI	442	05.0618.14.DA	443	05.0630.14.CB	445
03.9911.EQ	540	03.9954.EQ	540	03.9978.EQA	541	05.0606.40	442	05.0618.14.NI	443	05.0630.14.DA	445
03.9911.ER	540	03.9954.ER	540	03.9978.ERA	541	05.0606.40.CB	442	05.0618.40	443	05.0630.14.NI	445
03.9911.ES	540	03.9954.ES	540	03.9978.ESA	541	05.0606.40.DA	442	05.0618.40.CB	443	05.0630.40	445
03.9912.14	540	03.9955.14	540	03.9980.14	548	05.0606.40.NI	442	05.0618.40.DA	443	05.0630.40.CB	445
03.9912.40A	540	03.9955.40A	540	03.9980.40A	548	05.0607.14	442	05.0618.40.NI	443	05.0630.40.DA	445
03.9912.EQ	540	03.9955.EQ	540	03.9980.EQ	548	05.0607.14.CB	442	05.0619.14	443	05.0630.40.NI	445
03.9912.ER	540	03.9955.ER	540	03.9980.ER	548	05.0607.14.DA	442	05.0619.14.CB	443	05.0631.14	445
03.9912.ES	540	03.9955.ES	540	03.9980.ES	548	05.0607.14.NI	442	05.0619.14.DA	443	05.0631.14.CB	445
03.9913.14	540	03.9956.14	540	03.9981.14	548	05.0607.40	442	05.0619.14.NI	443	05.0631.14.DA	445
03.9913.40A	540	03.9956.40A	540	03.9981.40A	548	05.0607.40.CB	442	05.0619.40	443	05.0631.14.NI	445
03.9913.EQ	540	03.9956.EQ	540	03.9981.EQ	548	05.0607.40.DA	442	05.0619.40.CB	443	05.0631.40	445
03.9913.ER	540	03.9956.ER	540	03.9981.ER	548	05.0607.40.NI	442	05.0619.40.DA	443	05.0631.40.CB	445
03.9913.ES	540	03.9956.ES	540	03.9981.ES	548	05.0608.14	442	05.0619.40.NI	443	05.0631.40.DA	445
03.9920.14	546	03.9957.14	540	03.9982.14	548	05.0608.14.CB	442	05.0620.14	444	05.0631.40.NI	445
03.9920.40A	546	03.9957.40A	540	03.9982.40A	548	05.0608.14.DA	442	05.0620.14.CB	444	05.0632.14	445

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.0632.14.CB	445	05.0644.14	462	05.0655.40.NI	463	05.0667.40.DA	464	05.0679.40.CB	465	05.0725.14.NI	514
05.0632.14.DA	445	05.0644.14.CB	462	05.0656.14	463	05.0667.40.NI	464	05.0679.40.DA	465	05.0725.40	514
05.0632.14.NI	445	05.0644.14.DA	462	05.0656.14.CB	463	05.0668.14	464	05.0679.40.NI	465	05.0725.40.DA	514
05.0632.40	445	05.0644.14.NI	462	05.0656.14.DA	463	05.0668.14.CB	464	05.0700.14	512	05.0725.40.NI	514
05.0632.40.CB	445	05.0644.40	462	05.0656.14.NI	463	05.0668.14.DA	464	05.0700.14.DA	512	05.0726.14	514
05.0632.40.DA	445	05.0644.40.CB	462	05.0656.40	463	05.0668.14.NI	464	05.0700.14.NI	512	05.0726.14.DA	514
05.0632.40.NI	445	05.0644.40.DA	462	05.0656.40.CB	463	05.0668.40	464	05.0700.40	512	05.0726.14.NI	514
05.0633.14	445	05.0644.40.NI	462	05.0656.40.DA	463	05.0668.40.CB	464	05.0700.40.DA	512	05.0726.40	514
05.0633.14.CB	445	05.0645.14	462	05.0656.40.NI	463	05.0668.40.DA	464	05.0700.40.NI	512	05.0726.40.DA	514
05.0633.14.DA	445	05.0645.14.CB	462	05.0657.14	463	05.0668.40.NI	464	05.0701.14	512	05.0726.40.NI	514
05.0633.14.NI	445	05.0645.14.DA	462	05.0657.14.CB	463	05.0669.14	464	05.0701.14.DA	512	05.0727.40	514
05.0633.40	445	05.0645.14.NI	462	05.0657.14.DA	463	05.0669.14.CB	464	05.0701.14.NI	512	05.0727.40.DA	514
05.0633.40.CB	445	05.0645.40	462	05.0657.14.NI	463	05.0669.14.DA	464	05.0701.40	512	05.0727.40.NI	514
05.0633.40.DA	445	05.0645.40.CB	462	05.0657.40	463	05.0669.14.NI	464	05.0701.40.DA	512	05.0728.40	514
05.0633.40.NI	445	05.0645.40.DA	462	05.0657.40.CB	463	05.0669.40	464	05.0701.40.NI	512	05.0728.40.DA	514
05.0634.14	445	05.0645.40.NI	462	05.0657.40.DA	463	05.0669.40.CB	464	05.0702.40	512	05.0728.40.NI	514
05.0634.14.CB	445	05.0646.14	462	05.0657.40.NI	463	05.0669.40.DA	464	05.0702.40.DA	512	05.0730.14	515
05.0634.14.DA	445	05.0646.14.CB	462	05.0658.14	463	05.0669.40.NI	464	05.0702.40.NI	512	05.0730.14.DA	515
05.0634.14.NI	445	05.0646.14.DA	462	05.0658.14.CB	463	05.0670.14	465	05.0703.40	512	05.0730.14.NI	515
05.0634.40	445	05.0646.14.NI	462	05.0658.14.DA	463	05.0670.14.CB	465	05.0703.40.DA	512	05.0730.40	515
05.0634.40.CB	445	05.0646.40	462	05.0658.14.NI	463	05.0670.14.DA	465	05.0703.40.NI	512	05.0730.40.DA	515
05.0634.40.DA	445	05.0646.40.CB	462	05.0658.40	463	05.0670.14.NI	465	05.0705.14	512	05.0730.40.NI	515
05.0634.40.NI	445	05.0646.40.DA	462	05.0658.40.CB	463	05.0670.40	465	05.0705.14.DA	512	05.0731.14	515
05.0635.14	445	05.0646.40.NI	462	05.0658.40.DA	463	05.0670.40.CB	465	05.0705.14.NI	512	05.0731.14.DA	515
05.0635.14.CB	445	05.0647.14	462	05.0658.40.NI	463	05.0670.40.DA	465	05.0705.40	512	05.0731.14.NI	515
05.0635.14.DA	445	05.0647.14.CB	462	05.0659.14	463	05.0670.40.NI	465	05.0705.40.DA	512	05.0731.40	515
05.0635.14.NI	445	05.0647.14.DA	462	05.0659.14.CB	463	05.0671.14	465	05.0705.40.NI	512	05.0731.40.DA	515
05.0635.40	445	05.0647.14.NI	462	05.0659.14.DA	463	05.0671.14.CB	465	05.0706.14	512	05.0731.40.NI	515
05.0635.40.CB	445	05.0647.40	462	05.0659.14.NI	463	05.0671.14.DA	465	05.0706.14.DA	512	05.0732.40	515
05.0635.40.DA	445	05.0647.40.CB	462	05.0659.40	463	05.0671.14.NI	465	05.0706.14.NI	512	05.0732.40.DA	515
05.0635.40.NI	445	05.0647.40.DA	462	05.0659.40.CB	463	05.0671.40	465	05.0706.40	512	05.0732.40.NI	515
05.0636.14	445	05.0647.40.NI	462	05.0659.40.DA	463	05.0671.40.CB	465	05.0706.40.DA	512	05.0733.40	515
05.0636.14.CB	445	05.0648.14	462	05.0659.40.NI	463	05.0671.40.DA	465	05.0706.40.NI	512	05.0733.40.DA	515
05.0636.14.DA	445	05.0648.14.CB	462	05.0660.14	464	05.0671.40.NI	465	05.0707.40	512	05.0733.40.NI	515
05.0636.14.NI	445	05.0648.14.DA	462	05.0660.14.CB	464	05.0672.14	465	05.0707.40.DA	512	05.0735.14	515
05.0636.40	445	05.0648.14.NI	462	05.0660.14.DA	464	05.0672.14.CB	465	05.0707.40.NI	512	05.0735.14.DA	515
05.0636.40.CB	445	05.0648.40	462	05.0660.14.NI	464	05.0672.14.DA	465	05.0708.40	512	05.0735.14.NI	515
05.0636.40.DA	445	05.0648.40.CB	462	05.0660.40	464	05.0672.14.NI	465	05.0708.40.DA	512	05.0735.40	515
05.0636.40.NI	445	05.0648.40.DA	462	05.0660.40.CB	464	05.0672.40	465	05.0708.40.NI	512	05.0735.40.DA	515
05.0637.14	445	05.0648.40.NI	462	05.0660.40.DA	464	05.0672.40.CB	465	05.0710.14	513	05.0735.40.NI	515
05.0637.14.CB	445	05.0649.14	462	05.0660.40.NI	464	05.0672.40.DA	465	05.0710.14.DA	513	05.0736.14	515
05.0637.14.DA	445	05.0649.14.CB	462	05.0661.14	464	05.0672.40.NI	465	05.0710.14.NI	513	05.0736.14.DA	515
05.0637.14.NI	445	05.0649.14.DA	462	05.0661.14.CB	464	05.0673.14	465	05.0710.40	513	05.0736.14.NI	515
05.0637.40	445	05.0649.14.NI	462	05.0661.14.DA	464	05.0673.14.CB	465	05.0710.40.DA	513	05.0736.40	515
05.0637.40.CB	445	05.0649.40	462	05.0661.14.NI	464	05.0673.14.DA	465	05.0710.40.NI	513	05.0736.40.DA	515
05.0637.40.DA	445	05.0649.40.CB	462	05.0661.40	464	05.0673.14.NI	465	05.0711.14	513	05.0736.40.NI	515
05.0637.40.NI	445	05.0649.40.DA	462	05.0661.40.CB	464	05.0673.40	465	05.0711.14.DA	513	05.0737.40	515
05.0638.14	445	05.0649.40.NI	462	05.0661.40.DA	464	05.0673.40.CB	465	05.0711.14.NI	513	05.0737.40.DA	515
05.0638.14.CB	445	05.0650.14	463	05.0661.40.NI	464	05.0673.40.DA	465	05.0711.40	513	05.0737.40.NI	515
05.0638.14.DA	445	05.0650.14.CB	463	05.0662.14	464	05.0673.40.NI	465	05.0711.40.DA	513	05.0738.40	515
05.0638.14.NI	445	05.0650.14.DA	463	05.0662.14.CB	464	05.0674.14	465	05.0711.40.NI	513	05.0738.40.DA	515
05.0638.40	445	05.0650.14.NI	463	05.0662.14.DA	464	05.0674.14.CB	465	05.0712.40	513	05.0738.40.NI	515
05.0638.40.CB	445	05.0650.40	463	05.0662.14.NI	464	05.0674.14.DA	465	05.0712.40.DA	513	05.0740.14	512
05.0638.40.DA	445	05.0650.40.CB	463	05.0662.40	464	05.0674.14.NI	465	05.0712.40.NI	513	05.0740.14.DA	512
05.0638.40.NI	445	05.0650.40.DA	463	05.0662.40.CB	464	05.0674.40	465	05.0713.40	513	05.0740.14.NI	512
05.0639.14	445	05.0650.40.NI	463	05.0662.40.DA	464	05.0674.40.CB	465	05.0713.40.DA	513	05.0740.40	512
05.0639.14.CB	445	05.0651.14	463	05.0662.40.NI	464	05.0674.40.DA	465	05.0713.40.NI	513	05.0740.40.DA	512
05.0639.14.DA	445	05.0651.14.CB	463	05.0663.14	464	05.0674.40.NI	465	05.0715.14	513	05.0740.40.NI	512
05.0639.14.NI	445	05.0651.14.DA	463	05.0663.14.CB	464	05.0675.14	465	05.0715.14.DA	513	05.0741.14	512
05.0639.40	445	05.0651.14.NI	463	05.0663.14.DA	464	05.0675.14.CB	465	05.0715.14.NI	513	05.0741.14.DA	512
05.0639.40.CB	445	05.0651.40	463	05.0663.14.NI	464	05.0675.14.DA	465	05.0715.40	513	05.0741.14.NI	512
05.0639.40.DA	445	05.0651.40.CB	463	05.0663.40	464	05.0675.14.NI	465	05.0715.40.DA	513	05.0741.40	512
05.0639.40.NI	445	05.0651.40.DA	463	05.0663.40.CB	464	05.0675.40	465	05.0715.40.NI	513	05.0741.40.DA	512
05.0640.14	462	05.0651.40.NI	463	05.0663.40.DA	464	05.0675.40.CB	465	05.0716.14	513	05.0741.40.NI	512
05.0640.14.CB	462	05.0652.14	463	05.0663.40.NI	464	05.0675.40.DA	465	05.0716.14.DA	513	05.0742.14	512
05.0640.14.DA	462	05.0652.14.CB	463	05.0664.14	464	05.0675.40.NI	465	05.0716.14.NI	513	05.0742.14.DA	512
05.0640.14.NI	462	05.0652.14.DA	463	05.0664.14.CB	464	05.0676.14	465	05.0716.40	513	05.0742.14.NI	512
05.0640.40	462	05.0652.14.NI	463	05.0664.14.DA	464	05.0676.14.CB	465	05.0716.40.DA	513	05.0743.14	512
05.0640.40.CB	462	05.0652.40	463	05.0664.14.NI	464	05.0676.14.DA	465	05.0716.40.NI	513	05.0743.14.DA	512
05.0640.40.DA	462	05.0652.40.CB	463	05.0664.40	464	05.0676.14.NI	465	05.0717.40	513	05.0743.14.NI	512
05.0640.40.NI	462	05.0652.40.DA	463	05.0664.40.CB	464	05.0676.40	465	05.0717.40.DA	513	05.0745.14	512
05.0641.14	462	05.0652.40.NI	463	05.0664.40.DA	464	05.0676.40.CB	465	05.0717.40.NI	513	05.0745.14.DA	512
05.0641.14.CB	462	05.0653.14	463	05.0664.40.NI	464	05.0676.40.DA	465	05.0718.40	513	05.0745.14.NI	512
05.0641.14.DA	462	05.0653.14.CB	463	05.0665.14	464	05.0676.40.NI	465	05.0718.40.DA	513	05.0745.40	512
05.0641.14.NI	462	05.0653.14.DA	463	05.0665.14.CB	464	05.0677.14	465	05.0718.40.NI	513	05.0745.40.DA	512
05.0641.40	462	05.0653.14.NI	463	05.0665.14.DA	464	05.0677.14.CB	465	05.0720.14	514	05.0745.40.NI	512
05.0641.40.CB	462	05.0653.40	463	05.0665.14.NI	464	05.0677.14.DA	465	05.0720.14.DA	514	05.0746.14	512
05.0641.40.DA	462	05.0653.40.CB	463	05.0665.40	464	05.0677.14.NI	465	05.0720.14.NI	514	05.0746.14.DA	512
05.0641.40.NI	462	05.0653.40.DA	463	05.0665.40.CB	464	05.0677.40	465	05.0720.40	514	05.0746.14.NI	512
05.0642.14	462	05.0653.40.NI	463	05.0665.40.DA	464	05.0677.40.CB	465	05.0720.40.DA	514	05.0746.40	512
05.0642.14.CB	462	05.0654.14	463	05.0665.40.NI	464	05.0677.40.DA	465	05.0720.40.NI	514	05.0746.40.DA	512
05.0642.14.DA	462	05.0654.14.CB	463	05.0666.14	464	05.0677.40.NI	465	05.0721.14	514	05.0746.40.NI	512
05.0642.14.NI	462	05.0654.14.DA	463	05.0666.14.CB	464	05.0678.14	465	05.0721.14.DA	514	05.0747.14	512
05.0642.40	462	05.0654.14.NI	463	05.0666.14.DA	464	05.0678.14.CB	465	05.0721.14.NI	514	05.0747.14.DA	512
05.0642.40.CB	462	05.0654.40	463	05.0666.14.NI	464	05.0678.14.DA	465	05.0721.40	514	05.0747.14.NI	512
05.0642.40.DA	462	05.0654.40.CB	463	05.0666.40	464	05.0678.14.NI	465	05.0721.40.DA	514	05.0748.14	512
05.0642.40.NI	462	05.0654.40.DA	463	05.0666.40.CB	464	05.0678.40	465	05.0721.40.NI	514	05.0748.14.DA	512
05.0643.14	462	05.0654.40.NI	463	05.0666.40.DA	464	05.0678.40.CB	465	05.0722.40	514	05.0748.14.NI	512
05.0643.14.CB	462	05.0655.14	463	05.0666.40.NI	464	05.0678.40.DA	465	05.0722.40.DA	514	05.0750.14	513
05.0643.14.DA	462	05.0655.14.CB	463	05.0667.14	464	05.0678.40.NI	465	05.0722.40.NI	514	05.0750.14.DA	513
05.0643.14.NI	462	05.0655.14.DA	463	05.0667.14.CB	464	05.0679.14	465	05.0723.40	514	05.0750.14.NI	513
05.0643.40	462	05.0655.14.NI	463	05.0667.14.DA	464	05.0679.14.CB	465	05.0723.40.DA	514	05.0750.40	513
05.0643.40.CB	462	05.0655.40	463	05.0667.14.NI	464	05.0679.14.DA	465	05.0723.40.NI	514	05.0750.40.DA	513
05.0643.40.DA	462	05.0655.40.CB	463	05.0667.40	464	05.0679.14.NI	465	05.0725.14	514	05.0750.40.NI	513
05.0643.40.NI	462	05.0655.40.DA	463	05.0667.40.CB	464	05.0679.40	465	05.0725.14.DA	514	05.0751.14	513

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.0751.14.DA	513	05.0777.14	515	05.0871.14.NI	515	05.0971.14.DA	515	05.1016.40BDA	435	05.1036.40ANI	437
05.0751.14.NI	513	05.0777.14.DA	515	05.0875.14	515	05.0971.14.NI	515	05.1017.14A	435	05.1036.40BDA	437
05.0751.40	513	05.0777.14.NI	515	05.0875.14.DA	515	05.0975.14	515	05.1017.14ACB	435	05.1037.14A	437
05.0751.40.DA	513	05.0778.14	515	05.0875.14.NI	515	05.0975.14.DA	515	05.1017.14ANI	435	05.1037.14ACB	437
05.0751.40.NI	513	05.0778.14.DA	515	05.0876.14	515	05.0975.14.NI	515	05.1017.14BDA	435	05.1037.14ANI	437
05.0752.14	513	05.0778.14.NI	515	05.0876.14.DA	515	05.0976.14	515	05.1017.40A	435	05.1037.14BDA	437
05.0752.14.DA	513	05.0800.14	512	05.0876.14.NI	515	05.0976.14.DA	515	05.1017.40ACB	435	05.1037.40A	437
05.0752.14.NI	513	05.0800.14.DA	512	05.0900.14	512	05.0976.14.NI	515	05.1017.40ANI	435	05.1037.40ACB	437
05.0753.14	513	05.0800.14.NI	512	05.0900.14.DA	512	05.1000.14A	434	05.1017.40BDA	435	05.1037.40ANI	437
05.0753.14.DA	513	05.0801.14	512	05.0900.14.NI	512	05.1000.14ACB	434	05.1020.14A	436	05.1037.40BDA	437
05.0753.14.NI	513	05.0801.14.DA	512	05.0901.14	512	05.1000.14ANI	434	05.1020.14ACB	436	05.1040.14A	454
05.0755.14	513	05.0801.14.NI	512	05.0901.14.DA	512	05.1000.14BDA	434	05.1020.14ANI	436	05.1040.14ACB	454
05.0755.14.DA	513	05.0805.14	512	05.0901.14.NI	512	05.1000.40A	434	05.1020.14BDA	436	05.1040.14ANI	454
05.0755.14.NI	513	05.0805.14.DA	512	05.0905.14	512	05.1000.40ACB	434	05.1020.40A	436	05.1040.14BDA	454
05.0755.40	513	05.0805.14.NI	512	05.0905.14.DA	512	05.1000.40ANI	434	05.1020.40ACB	436	05.1040.40A	454
05.0755.40.DA	513	05.0806.14	512	05.0905.14.NI	512	05.1000.40BDA	434	05.1020.40ANI	436	05.1040.40ACB	454
05.0755.40.NI	513	05.0806.14.DA	512	05.0906.14	512	05.1001.14A	434	05.1020.40BDA	436	05.1040.40ANI	454
05.0756.14	513	05.0806.14.NI	512	05.0906.14.DA	512	05.1001.14ACB	434	05.1021.14A	436	05.1040.40BDA	454
05.0756.14.DA	513	05.0810.14	513	05.0906.14.NI	512	05.1001.14ANI	434	05.1021.14ACB	436	05.1041.14A	454
05.0756.14.NI	513	05.0810.14.DA	513	05.0910.14	513	05.1001.14BDA	434	05.1021.14ANI	436	05.1041.14ACB	454
05.0756.40	513	05.0810.14.NI	513	05.0910.14.DA	513	05.1001.40A	434	05.1021.14BDA	436	05.1041.14ANI	454
05.0756.40.DA	513	05.0811.14	513	05.0910.14.NI	513	05.1001.40ACB	434	05.1021.40A	436	05.1041.14BDA	454
05.0756.40.NI	513	05.0811.14.DA	513	05.0911.14	513	05.1001.40ANI	434	05.1021.40ACB	436	05.1041.40A	454
05.0757.14	513	05.0811.14.NI	513	05.0911.14.DA	513	05.1001.40BDA	434	05.1021.40ANI	436	05.1041.40ACB	454
05.0757.14.DA	513	05.0815.14	513	05.0911.14.NI	513	05.1002.14A	434	05.1021.40BDA	436	05.1041.40ANI	454
05.0757.14.NI	513	05.0815.14.DA	513	05.0915.14	513	05.1002.14ACB	434	05.1022.14A	436	05.1041.40BDA	454
05.0758.14	513	05.0815.14.NI	513	05.0915.14.DA	513	05.1002.14ANI	434	05.1022.14ACB	436	05.1042.14A	454
05.0758.14.DA	513	05.0816.14	513	05.0915.14.NI	513	05.1002.14BDA	434	05.1022.14ANI	436	05.1042.14ACB	454
05.0758.14.NI	513	05.0816.14.DA	513	05.0916.14	513	05.1002.40A	434	05.1022.14BDA	436	05.1042.14ANI	454
05.0760.14	514	05.0816.14.NI	513	05.0916.14.DA	513	05.1002.40ACB	434	05.1022.40A	436	05.1042.14BDA	454
05.0760.14.DA	514	05.0820.14	514	05.0916.14.NI	513	05.1002.40ANI	434	05.1022.40ACB	436	05.1042.40A	454
05.0760.14.NI	514	05.0820.14.DA	514	05.0920.14	514	05.1002.40BDA	434	05.1022.40ANI	436	05.1042.40ACB	454
05.0760.40	514	05.0820.14.NI	514	05.0920.14.DA	514	05.1005.14A	434	05.1022.40BDA	436	05.1042.40ANI	454
05.0760.40.DA	514	05.0821.14	514	05.0920.14.NI	514	05.1005.14ACB	434	05.1025.14A	436	05.1042.40BDA	454
05.0760.40.NI	514	05.0821.14.DA	514	05.0921.14	514	05.1005.14ANI	434	05.1025.14ACB	436	05.1045.14A	454
05.0761.14	514	05.0821.14.NI	514	05.0921.14.DA	514	05.1005.14BDA	434	05.1025.14ANI	436	05.1045.14ACB	454
05.0761.14.DA	514	05.0825.14	514	05.0921.14.NI	514	05.1005.40A	434	05.1025.14BDA	436	05.1045.14ANI	454
05.0761.14.NI	514	05.0825.14.DA	514	05.0925.14	514	05.1005.40ACB	434	05.1025.40A	436	05.1045.14BDA	454
05.0761.40	514	05.0825.14.NI	514	05.0925.14.DA	514	05.1005.40ANI	434	05.1025.40ACB	436	05.1045.40A	454
05.0761.40.DA	514	05.0826.14	514	05.0925.14.NI	514	05.1005.40BDA	434	05.1025.40ANI	436	05.1045.40ACB	454
05.0761.40.NI	514	05.0826.14.DA	514	05.0926.14	514	05.1006.14A	434	05.1025.40BDA	436	05.1045.40ANI	454
05.0762.14	514	05.0826.14.NI	514	05.0926.14.DA	514	05.1006.14ACB	434	05.1026.14A	436	05.1045.40BDA	454
05.0762.14.DA	514	05.0830.14	515	05.0926.14.NI	514	05.1006.14ANI	434	05.1026.14ACB	436	05.1046.14A	454
05.0762.14.NI	514	05.0830.14.DA	515	05.0930.14	515	05.1006.14BDA	434	05.1026.14ANI	436	05.1046.14ACB	454
05.0763.14	514	05.0830.14.NI	515	05.0930.14.DA	515	05.1006.40A	434	05.1026.14BDA	436	05.1046.14ANI	454
05.0763.14.DA	514	05.0831.14	515	05.0930.14.NI	515	05.1006.40ACB	434	05.1026.40A	436	05.1046.14BDA	454
05.0763.14.NI	514	05.0831.14.DA	515	05.0931.14	515	05.1006.40ANI	434	05.1026.40ACB	436	05.1046.40A	454
05.0765.14	514	05.0831.14.NI	515	05.0931.14.DA	515	05.1006.40BDA	434	05.1026.40ANI	436	05.1046.40ACB	454
05.0765.14.DA	514	05.0835.14	515	05.0931.14.NI	515	05.1007.14A	434	05.1026.40BDA	436	05.1046.40ANI	454
05.0765.14.NI	514	05.0835.14.DA	515	05.0935.14	515	05.1007.14ACB	434	05.1027.14A	436	05.1046.40BDA	454
05.0765.40	514	05.0835.14.NI	515	05.0935.14.DA	515	05.1007.14ANI	434	05.1027.14ACB	436	05.1047.14A	454
05.0765.40.DA	514	05.0836.14	515	05.0935.14.NI	515	05.1007.14BDA	434	05.1027.14ANI	436	05.1047.14ACB	454
05.0765.40.NI	514	05.0836.14.DA	515	05.0936.14	515	05.1007.40A	434	05.1027.14BDA	436	05.1047.14ANI	454
05.0766.14	514	05.0836.14.NI	515	05.0936.14.DA	515	05.1007.40ACB	434	05.1027.40A	436	05.1047.14BDA	454
05.0766.14.DA	514	05.0840.14	512	05.0936.14.NI	515	05.1007.40ANI	434	05.1027.40ACB	436	05.1047.40A	454
05.0766.14.NI	514	05.0840.14.DA	512	05.0940.14	512	05.1007.40BDA	434	05.1027.40ANI	436	05.1047.40ACB	454
05.0766.40	514	05.0840.14.NI	512	05.0940.14.DA	512	05.1010.14A	435	05.1027.40BDA	436	05.1047.40ANI	454
05.0766.40.DA	514	05.0841.14	512	05.0940.14.NI	512	05.1010.14ACB	435	05.1030.14A	437	05.1047.40BDA	454
05.0766.40.NI	514	05.0841.14.DA	512	05.0941.14	512	05.1010.14ANI	435	05.1030.14ACB	437	05.1050.14A	455
05.0767.14	514	05.0841.14.NI	512	05.0941.14.DA	512	05.1010.14BDA	435	05.1030.14ANI	437	05.1050.14ACB	455
05.0767.14.DA	514	05.0845.14	512	05.0941.14.NI	512	05.1010.40A	435	05.1030.14BDA	437	05.1050.14ANI	455
05.0767.14.NI	514	05.0845.14.DA	512	05.0945.14	512	05.1010.40ACB	435	05.1030.40A	437	05.1050.14BDA	455
05.0768.14	514	05.0845.14.NI	512	05.0945.14.DA	512	05.1010.40ANI	435	05.1030.40ACB	437	05.1050.40A	455
05.0768.14.DA	514	05.0846.14	512	05.0945.14.NI	512	05.1010.40BDA	435	05.1030.40ANI	437	05.1050.40ACB	455
05.0768.14.NI	514	05.0846.14.DA	512	05.0946.14	512	05.1011.14A	435	05.1030.40BDA	437	05.1050.40ANI	455
05.0770.14	515	05.0846.14.NI	512	05.0946.14.DA	512	05.1011.14ACB	435	05.1031.14A	437	05.1050.40BDA	455
05.0770.14.DA	515	05.0850.14	513	05.0946.14.NI	512	05.1011.14ANI	435	05.1031.14ACB	437	05.1051.14A	455
05.0770.14.NI	515	05.0850.14.DA	513	05.0950.14	513	05.1011.14BDA	435	05.1031.14ANI	437	05.1051.14ACB	455
05.0770.40	515	05.0850.14.NI	513	05.0950.14.DA	513	05.1011.40A	435	05.1031.14BDA	437	05.1051.14ANI	455
05.0770.40.DA	515	05.0851.14	513	05.0950.14.NI	513	05.1011.40ACB	435	05.1031.40A	437	05.1051.14BDA	455
05.0770.40.NI	515	05.0851.14.DA	513	05.0951.14	513	05.1011.40ANI	435	05.1031.40ACB	437	05.1051.40A	455
05.0771.14	515	05.0851.14.NI	513	05.0951.14.DA	513	05.1011.40BDA	435	05.1031.40ANI	437	05.1051.40ACB	455
05.0771.14.DA	515	05.0855.14	513	05.0951.14.NI	513	05.1012.14A	435	05.1031.40BDA	437	05.1051.40ANI	455
05.0771.14.NI	515	05.0855.14.DA	513	05.0955.14	513	05.1012.14ACB	435	05.1032.14A	437	05.1051.40BDA	455
05.0771.40	515	05.0855.14.NI	513	05.0955.14.DA	513	05.1012.14ANI	435	05.1032.14ACB	437	05.1052.14A	455
05.0771.40.DA	515	05.0856.14	513	05.0955.14.NI	513	05.1012.14BDA	435	05.1032.14ANI	437	05.1052.14ACB	455
05.0771.40.NI	515	05.0856.14.DA	513	05.0956.14	513	05.1012.40A	435	05.1032.14BDA	437	05.1052.14ANI	455
05.0772.14	515	05.0856.14.NI	513	05.0956.14.DA	513	05.1012.40ACB	435	05.1032.40A	437	05.1052.14BDA	455
05.0772.14.DA	515	05.0860.14	514	05.0956.14.NI	513	05.1012.40ANI	435	05.1032.40ACB	437	05.1052.40A	455
05.0772.14.NI	515	05.0860.14.DA	514	05.0960.14	514	05.1012.40BDA	435	05.1032.40ANI	437	05.1052.40ACB	455
05.0773.14	515	05.0860.14.NI	514	05.0960.14.DA	514	05.1015.14A	435	05.1032.40BDA	437	05.1052.40ANI	455
05.0773.14.DA	515	05.0861.14	514	05.0960.14.NI	514	05.1015.14ACB	435	05.1035.14A	437	05.1052.40BDA	455
05.0773.14.NI	515	05.0861.14.DA	514	05.0961.14	514	05.1015.14ANI	435	05.1035.14ACB	437	05.1055.14A	455
05.0775.14	515	05.0861.14.NI	514	05.0961.14.DA	514	05.1015.14BDA	435	05.1035.14ANI	437	05.1055.14ACB	455
05.0775.14.DA	515	05.0865.14	514	05.0961.14.NI	514	05.1015.40A	435	05.1035.14BDA	437	05.1055.14ANI	455
05.0775.14.NI	515	05.0865.14.DA	514	05.0965.14	514	05.1015.40ACB	435	05.1035.40A	437	05.1055.14BDA	455
05.0775.40	515	05.0865.14.NI	514	05.0965.14.DA	514	05.1015.40ANI	435	05.1035.40ACB	437	05.1055.40A	455
05.0775.40.DA	515	05.0866.14	514	05.0965.14.NI	514	05.1015.40BDA	435	05.1035.40ANI	437	05.1055.40ACB	455
05.0775.40.NI	515	05.0866.14.DA	514	05.0966.14	514	05.1016.14A	435	05.1035.40BDA	437	05.1055.40ANI	455
05.0776.14	515	05.0866.14.NI	514	05.0966.14.DA	514	05.1016.14ACB	435	05.1036.14A	437	05.1055.40BDA	455
05.0776.14.DA	515	05.0870.14	515	05.0966.14.NI	514	05.1016.14ANI	435	05.1036.14ACB	437	05.1056.14A	455
05.0776.14.NI	515	05.0870.14.DA	515	05.0970.14	515	05.1016.14BDA	435	05.1036.14ANI	437	05.1056.14ACB	455
05.0776.40	515	05.0870.14.NI	515	05.0970.14.DA	515	05.1016.40A	435	05.1036.14BDA	437	05.1056.14ANI	455
05.0776.40.DA	515	05.0871.14	515	05.0970.14.NI	515	05.1016.40ACB	435	05.1036.40A	437	05.1056.14BDA	455
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05.1057.14ACB	455	05.1077.14A	457	05.1116.40BDA	439	05.1136.40ANI	441	05.1156.40ACB	459	05.1176.40A	461
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05.1057.14BDA	455	05.1077.14ANI	457	05.1117.14ACB	439	05.1137.14A	441	05.1156.40BDA	459	05.1176.40ANI	461
05.1057.40A	455	05.1077.14BDA	457	05.1117.14ANI	439	05.1137.14ACB	441	05.1157.14A	459	05.1176.40BDA	461
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05.1057.40ANI	455	05.1077.40ACB	457	05.1117.40A	439	05.1137.14BDA	441	05.1157.14ANI	459	05.1177.14ACB	461
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05.1061.14A	456	05.1100.40BDA	438	05.1120.40ANI	440	05.1140.40ACB	458	05.1160.40A	460	05.1200.14BDA	446
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05.1065.14A	456	05.1102.40BDA	438	05.1122.40ANI	440	05.1142.40ACB	458	05.1162.40A	460	05.1202.14BDA	446
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05.1067.14A	456	05.1106.40BDA	438	05.1126.40ANI	440	05.1146.40ACB	458	05.1166.40A	460	05.1206.14BDA	446
05.1067.14ACB	456	05.1107.14A	438	05.1126.40BDA	440	05.1146.40ANI	458	05.1166.40ACB	460	05.1206.40A	446
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05.1070.14BDA	457	05.1110.14ANI	439	05.1130.14ACB	441	05.1150.14A	459	05.1167.40BDA	460	05.1207.40ANI	446
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05.1071.40A	457	05.1111.14BDA	439	05.1131.14ANI	441	05.1151.14ACB	459	05.1171.14A	461	05.1210.40BDA	447
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05.1072.14A	457	05.1111.40BDA	439	05.1131.40ANI	441	05.1151.40ACB	459	05.1171.40A	461	05.1211.14BDA	447
05.1072.14ACB	457	05.1112.14A	439	05.1131.40BDA	441	05.1151.40ANI	459	05.1171.40ACB	461	05.1211.40A	447
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05.1076.14A	457	05.1115.40BDA	439	05.1135.40ANI	441	05.1155.40ACB	459	05.1175.40A	461	05.1215.14BDA	447
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05.1216.14ACB	447	05.1236.14A	449	05.1255.40BDA	467	05.1275.40ANI	469	05.1315.40ACB	451	05.1335.40A	453
05.1216.14ANI	447	05.1236.14ACB	449	05.1256.14A	467	05.1275.40BDA	469	05.1315.40ANI	451	05.1335.40ACB	453
05.1216.14BDA	447	05.1236.14ANI	449	05.1256.14ACB	467	05.1276.14A	469	05.1315.40BDA	451	05.1335.40ANI	453
05.1216.40A	447	05.1236.14BDA	449	05.1256.14ANI	467	05.1276.14ACB	469	05.1316.14A	451	05.1335.40BDA	453
05.1216.40ACB	447	05.1236.40A	449	05.1256.14BDA	467	05.1276.14ANI	469	05.1316.14ACB	451	05.1336.14A	453
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05.1216.40BDA	447	05.1236.40ANI	449	05.1256.40ACB	467	05.1276.40A	469	05.1316.14BDA	451	05.1336.14ANI	453
05.1217.14A	447	05.1236.40BDA	449	05.1256.40ANI	467	05.1276.40ACB	469	05.1316.40A	451	05.1336.14BDA	453
05.1217.14ACB	447	05.1237.14A	449	05.1256.40BDA	467	05.1276.40ANI	469	05.1316.40ACB	451	05.1336.40A	453
05.1217.14ANI	447	05.1237.14ACB	449	05.1257.14A	467	05.1276.40BDA	469	05.1316.40ANI	451	05.1336.40ACB	453
05.1217.14BDA	447	05.1237.14ANI	449	05.1257.14ACB	467	05.1277.14A	469	05.1316.40BDA	451	05.1336.40ANI	453
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05.1217.40ACB	447	05.1237.40A	449	05.1257.14BDA	467	05.1277.14ANI	469	05.1317.14ACB	451	05.1337.14A	453
05.1217.40ANI	447	05.1237.40ACB	449	05.1257.40A	467	05.1277.14BDA	469	05.1317.14ANI	451	05.1337.14ACB	453
05.1217.40BDA	447	05.1237.40ANI	449	05.1257.40ACB	467	05.1277.40A	469	05.1317.14BDA	451	05.1337.14ANI	453
05.1220.14A	448	05.1237.40BDA	449	05.1257.40ANI	467	05.1277.40ACB	469	05.1317.40A	451	05.1337.14BDA	453
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05.1220.14ANI	448	05.1240.14ACB	466	05.1260.14A	468	05.1277.40BDA	469	05.1317.40ANI	451	05.1337.40ACB	453
05.1220.14BDA	448	05.1240.14ANI	466	05.1260.14ACB	468	05.1300.14A	450	05.1317.40BDA	451	05.1337.40ANI	453
05.1220.40A	448	05.1240.14BDA	466	05.1260.14ANI	468	05.1300.14ACB	450	05.1320.14A	452	05.1337.40BDA	453
05.1220.40ACB	448	05.1240.40A	466	05.1260.14BDA	468	05.1300.14ANI	450	05.1320.14ACB	452	05.1340.14A	470
05.1220.40ANI	448	05.1240.40ACB	466	05.1260.40A	468	05.1300.14BDA	450	05.1320.14ANI	452	05.1340.14ACB	470
05.1220.40BDA	448	05.1240.40ANI	466	05.1260.40ACB	468	05.1300.40A	450	05.1320.14BDA	452	05.1340.14ANI	470
05.1221.14A	448	05.1240.40BDA	466	05.1260.40ANI	468	05.1300.40ACB	450	05.1320.40A	452	05.1340.14BDA	470
05.1221.14ACB	448	05.1241.14A	466	05.1260.40BDA	468	05.1300.40ANI	450	05.1320.40ACB	452	05.1340.40A	470
05.1221.14ANI	448	05.1241.14ACB	466	05.1261.14A	468	05.1300.40BDA	450	05.1320.40ANI	452	05.1340.40ACB	470
05.1221.14BDA	448	05.1241.14ANI	466	05.1261.14ACB	468	05.1301.14A	450	05.1320.40BDA	452	05.1340.40ANI	470
05.1221.40A	448	05.1241.14BDA	466	05.1261.14ANI	468	05.1301.14ACB	450	05.1321.14A	452	05.1340.40BDA	470
05.1221.40ACB	448	05.1241.40A	466	05.1261.14BDA	468	05.1301.14ANI	450	05.1321.14ACB	452	05.1341.14A	470
05.1221.40ANI	448	05.1241.40ACB	466	05.1261.40A	468	05.1301.14BDA	450	05.1321.14ANI	452	05.1341.14ACB	470
05.1221.40BDA	448	05.1241.40ANI	466	05.1261.40ACB	468	05.1301.40A	450	05.1321.14BDA	452	05.1341.14ANI	470
05.1222.14A	448	05.1241.40BDA	466	05.1261.40ANI	468	05.1301.40ACB	450	05.1321.40A	452	05.1341.14BDA	470
05.1222.14ACB	448	05.1242.14A	466	05.1261.40BDA	468	05.1301.40ANI	450	05.1321.40ACB	452	05.1341.40A	470
05.1222.14ANI	448	05.1242.14ACB	466	05.1262.14A	468	05.1301.40BDA	450	05.1321.40ANI	452	05.1341.40ACB	470
05.1222.14BDA	448	05.1242.14ANI	466	05.1262.14ACB	468	05.1302.14A	450	05.1321.40BDA	452	05.1341.40ANI	470
05.1222.40A	448	05.1242.14BDA	466	05.1262.14ANI	468	05.1302.14ACB	450	05.1322.14A	452	05.1341.40BDA	470
05.1222.40ACB	448	05.1242.40A	466	05.1262.14BDA	468	05.1302.14ANI	450	05.1322.14ACB	452	05.1342.14A	470
05.1222.40ANI	448	05.1242.40ACB	466	05.1262.40A	468	05.1302.14BDA	450	05.1322.14ANI	452	05.1342.14ACB	470
05.1222.40BDA	448	05.1242.40ANI	466	05.1262.40ACB	468	05.1302.40A	450	05.1322.14BDA	452	05.1342.14ANI	470
05.1225.14A	448	05.1242.40BDA	466	05.1262.40ANI	468	05.1302.40ACB	450	05.1322.40A	452	05.1342.14BDA	470
05.1225.14ACB	448	05.1245.14A	466	05.1262.40BDA	468	05.1302.40ANI	450	05.1322.40ACB	452	05.1342.40A	470
05.1225.14ANI	448	05.1245.14ACB	466	05.1265.14A	468	05.1302.40BDA	450	05.1322.40ANI	452	05.1342.40ACB	470
05.1225.14BDA	448	05.1245.14ANI	466	05.1265.14ACB	468	05.1305.14A	450	05.1322.40BDA	452	05.1342.40ANI	470
05.1225.40A	448	05.1245.14BDA	466	05.1265.14ANI	468	05.1305.14ACB	450	05.1325.14A	452	05.1342.40BDA	470
05.1225.40ACB	448	05.1245.40A	466	05.1265.14BDA	468	05.1305.14ANI	450	05.1325.14ACB	452	05.1345.14A	470
05.1225.40ANI	448	05.1245.40ACB	466	05.1265.40A	468	05.1305.14BDA	450	05.1325.14ANI	452	05.1345.14ACB	470
05.1225.40BDA	448	05.1245.40ANI	466	05.1265.40ACB	468	05.1305.40A	450	05.1325.14BDA	452	05.1345.14ANI	470
05.1226.14A	448	05.1245.40BDA	466	05.1265.40ANI	468	05.1305.40ACB	450	05.1325.40A	452	05.1345.14BDA	470
05.1226.14ACB	448	05.1246.14A	466	05.1265.40BDA	468	05.1305.40ANI	450	05.1325.40ACB	452	05.1345.40A	470
05.1226.14ANI	448	05.1246.14ACB	466	05.1266.14A	468	05.1305.40BDA	450	05.1325.40ANI	452	05.1345.40ACB	470
05.1226.14BDA	448	05.1246.14ANI	466	05.1266.14ACB	468	05.1306.14A	450	05.1325.40BDA	452	05.1345.40ANI	470
05.1226.40A	448	05.1246.14BDA	466	05.1266.14ANI	468	05.1306.14ACB	450	05.1326.14A	452	05.1345.40BDA	470
05.1226.40ACB	448	05.1246.40A	466	05.1266.14BDA	468	05.1306.14ANI	450	05.1326.14ACB	452	05.1346.14A	470
05.1226.40ANI	448	05.1246.40ACB	466	05.1266.40A	468	05.1306.14BDA	450	05.1326.14ANI	452	05.1346.14ACB	470
05.1226.40BDA	448	05.1246.40ANI	466	05.1266.40ACB	468	05.1306.40A	450	05.1326.14BDA	452	05.1346.14ANI	470
05.1227.14A	448	05.1246.40BDA	466	05.1266.40ANI	468	05.1306.40ACB	450	05.1326.40A	452	05.1346.14BDA	470
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05.1227.14ANI	448	05.1247.14ACB	466	05.1267.14A	468	05.1306.40BDA	450	05.1326.40ANI	452	05.1346.40ACB	470
05.1227.14BDA	448	05.1247.14ANI	466	05.1267.14ACB	468	05.1307.14A	450	05.1326.40BDA	452	05.1346.40ANI	470
05.1227.40A	448	05.1247.14BDA	466	05.1267.14ANI	468	05.1307.14ACB	450	05.1327.14A	452	05.1346.40BDA	470
05.1227.40ACB	448	05.1247.40A	466	05.1267.14BDA	468	05.1307.14ANI	450	05.1327.14ACB	452	05.1347.14A	470
05.1227.40ANI	448	05.1247.40ACB	466	05.1267.40A	468	05.1307.14BDA	450	05.1327.14ANI	452	05.1347.14ACB	470
05.1227.40BDA	448	05.1247.40ANI	466	05.1267.40ACB	468	05.1307.40A	450	05.1327.14BDA	452	05.1347.14ANI	470
05.1230.14A	449	05.1247.40BDA	466	05.1267.40ANI	468	05.1307.40ACB	450	05.1327.40A	452	05.1347.14BDA	470
05.1230.14ACB	449	05.1250.14A	467	05.1267.40BDA	468	05.1307.40ANI	450	05.1327.40ACB	452	05.1347.40A	470
05.1230.14ANI	449	05.1250.14ACB	467	05.1270.14A	469	05.1307.40BDA	450	05.1327.40ANI	452	05.1347.40ACB	470
05.1230.14BDA	449	05.1250.14ANI	467	05.1270.14ACB	469	05.1310.14A	451	05.1327.40BDA	452	05.1347.40ANI	470
05.1230.40A	449	05.1250.14BDA	467	05.1270.14ANI	469	05.1310.14ACB	451	05.1330.14A	453	05.1347.40BDA	470
05.1230.40ACB	449	05.1250.40A	467	05.1270.14BDA	469	05.1310.14ANI	451	05.1330.14ACB	453	05.1350.14A	471
05.1230.40ANI	449	05.1250.40ACB	467	05.1270.40A	469	05.1310.14BDA	451	05.1330.14ANI	453	05.1350.14ACB	471
05.1230.40BDA	449	05.1250.40ANI	467	05.1270.40ACB	469	05.1310.40A	451	05.1330.14BDA	453	05.1350.14ANI	471
05.1231.14A	449	05.1250.40BDA	467	05.1270.40ANI	469	05.1310.40ACB	451	05.1330.40A	453	05.1350.14BDA	471
05.1231.14ACB	449	05.1251.14A	467	05.1270.40BDA	469	05.1310.40ANI	451	05.1330.40ACB	453	05.1350.40A	471
05.1231.14ANI	449	05.1251.14ACB	467	05.1271.14A	469	05.1310.40BDA	451	05.1330.40ANI	453	05.1350.40ACB	471
05.1231.14BDA	449	05.1251.14ANI	467	05.1271.14ACB	469	05.1311.14A	451	05.1330.40BDA	453	05.1350.40ANI	471
05.1231.40A	449	05.1251.14BDA	467	05.1271.14ANI	469	05.1311.14ACB	451	05.1331.14A	453	05.1350.40BDA	471
05.1231.40ACB	449	05.1251.40A	467	05.1271.14BDA	469	05.1311.14ANI	451	05.1331.14ACB	453	05.1351.14A	471
05.1231.40ANI	449	05.1251.40ACB	467	05.1271.40A	469	05.1311.14BDA	451	05.1331.14ANI	453	05.1351.14ACB	471
05.1231.40BDA	449	05.1251.40ANI	467	05.1271.40ACB	469	05.1311.40A	451	05.1331.14BDA	453	05.1351.14ANI	471
05.1232.14A	449	05.1251.40BDA	467	05.1271.40ANI	469	05.1311.40ACB	451	05.1331.40A	453	05.1351.14BDA	471
05.1232.14ACB	449	05.1252.14A	467	05.1271.40BDA	469	05.1311.40ANI	451	05.1331.40ACB	453	05.1351.40A	471
05.1232.14ANI	449	05.1252.14ACB	467	05.1272.14A	469	05.1311.40BDA	451	05.1331.40ANI	453	05.1351.40ACB	471
05.1232.14BDA	449	05.1252.14ANI	467	05.1272.14ACB	469	05.1312.14A	451	05.1331.40BDA	453	05.1351.40ANI	471
05.1232.40A	449	05.1252.14BDA	467	05.1272.14ANI	469	05.1312.14ACB	451	05.1332.14A	453	05.1351.40BDA	471
05.1232.40ACB	449	05.1252.40A	467	05.1272.14BDA	469	05.1312.14ANI	451	05.1332.14ACB	453	05.1352.14A	471
05.1232.40ANI	449	05.1252.40ACB	467	05.1272.40A	469	05.1312.14BDA	451	05.1332.14ANI	453	05.1352.14ACB	471
05.1232.40BDA	449	05.1252.40ANI	467	05.1272.40ACB	469	05.1312.40A	451	05.1332.14BDA	453	05.1352.14ANI	471
05.1235.14A	449	05.1252.40BDA	467	05.1272.40ANI	469	05.1312.40ACB	451	05.1332.40A	453	05.1352.14BDA	471
05.1235.14ACB	449	05.1255.14A	467	05.1272.40BDA	469	05.1312.40ANI	451	05.1332.40ACB	453	05.1352.40A	471
05.1235.14ANI	449	05.1255.14ACB	467	05.1275.14A	469	05.1312.40BDA	451	05.1332.40ANI	453	05.1352.40ACB	471
05.1235.14BDA	449	05.1255.14ANI	467	05.1275.14ACB	469	05.1315.14A	451	05.1332.40BDA	453	05.1352.40ANI	471
05.1235.40A	449	05.1255.14BDA	467	05.1275.14ANI	469	05.1315.14ACB	451	05.1335.14A	453	05.1352.40BDA	471
05.1235.40ACB	449	05.1255.40A	467	05.1275.14BDA	469	05.1315.14ANI	451	05.1335.14ACB	453	05.1355.14A	471

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05.1355.14ACB	471	05.1375.14A	473	05.1412.40BDA	475	05.1432.40ANI	477	05.1452.40ACB	491	05.1472.40A	493
05.1355.14ANI	471	05.1375.14ACB	473	05.1415.14A	475	05.1432.40BDA	477	05.1452.40ANI	491	05.1472.40ACB	493
05.1355.14BDA	471	05.1375.14ANI	473	05.1415.14ACB	475	05.1435.14A	477	05.1452.40BDA	491	05.1472.40ANI	493
05.1355.40A	471	05.1375.14BDA	473	05.1415.14ANI	475	05.1435.14ACB	477	05.1455.14A	491	05.1472.40BDA	493
05.1355.40ACB	471	05.1375.40A	473	05.1415.14BDA	475	05.1435.14ANI	477	05.1455.14ACB	491	05.1475.14A	493
05.1355.40ANI	471	05.1375.40ACB	473	05.1415.40A	475	05.1435.14BDA	477	05.1455.14ANI	491	05.1475.14ACB	493
05.1355.40BDA	471	05.1375.40ANI	473	05.1415.40ACB	475	05.1435.40A	477	05.1455.14BDA	491	05.1475.14ANI	493
05.1356.14A	471	05.1375.40BDA	473	05.1415.40ANI	475	05.1435.40ACB	477	05.1455.40A	491	05.1475.14BDA	493
05.1356.14ACB	471	05.1376.14A	473	05.1415.40BDA	475	05.1435.40ANI	477	05.1455.40ACB	491	05.1475.40A	493
05.1356.14ANI	471	05.1376.14ACB	473	05.1416.14A	475	05.1435.40BDA	477	05.1455.40ANI	491	05.1475.40ACB	493
05.1356.14BDA	471	05.1376.14ANI	473	05.1416.14ACB	475	05.1436.14A	477	05.1455.40BDA	491	05.1475.40ANI	493
05.1356.40A	471	05.1376.14BDA	473	05.1416.14ANI	475	05.1436.14ACB	477	05.1456.14A	491	05.1475.40BDA	493
05.1356.40ACB	471	05.1376.40A	473	05.1416.14BDA	475	05.1436.14ANI	477	05.1456.14ACB	491	05.1476.14A	493
05.1356.40ANI	471	05.1376.40ACB	473	05.1416.40A	475	05.1436.14BDA	477	05.1456.14ANI	491	05.1476.14ACB	493
05.1356.40BDA	471	05.1376.40ANI	473	05.1416.40ACB	475	05.1436.40A	477	05.1456.14BDA	491	05.1476.14ANI	493
05.1357.14A	471	05.1376.40BDA	473	05.1416.40ANI	475	05.1436.40ACB	477	05.1456.40A	491	05.1476.14BDA	493
05.1357.14ACB	471	05.1377.14A	473	05.1416.40BDA	475	05.1436.40ANI	477	05.1456.40ACB	491	05.1476.40A	493
05.1357.14ANI	471	05.1377.14ACB	473	05.1417.14A	475	05.1436.40BDA	477	05.1456.40ANI	491	05.1476.40ACB	493
05.1357.14BDA	471	05.1377.14ANI	473	05.1417.14ACB	475	05.1437.14A	477	05.1456.40BDA	491	05.1476.40ANI	493
05.1357.40A	471	05.1377.14BDA	473	05.1417.14ANI	475	05.1437.14ACB	477	05.1457.14A	491	05.1476.40BDA	493
05.1357.40ACB	471	05.1377.40A	473	05.1417.14BDA	475	05.1437.14ANI	477	05.1457.14ACB	491	05.1477.14A	493
05.1357.40ANI	471	05.1377.40ACB	473	05.1417.40A	475	05.1437.14BDA	477	05.1457.14ANI	491	05.1477.14ACB	493
05.1357.40BDA	471	05.1377.40ANI	473	05.1417.40ACB	475	05.1437.40A	477	05.1457.14BDA	491	05.1477.14ANI	493
05.1360.14A	472	05.1377.40BDA	473	05.1417.40ANI	475	05.1437.40ACB	477	05.1457.40A	491	05.1477.14BDA	493
05.1360.14ACB	472	05.1400.14A	474	05.1417.40BDA	475	05.1437.40ANI	477	05.1457.40ACB	491	05.1477.40A	493
05.1360.14ANI	472	05.1400.14ACB	474	05.1420.14A	476	05.1437.40BDA	477	05.1457.40ANI	491	05.1477.40ACB	493
05.1360.14BDA	472	05.1400.14ANI	474	05.1420.14ACB	476	05.1440.14A	490	05.1457.40BDA	491	05.1477.40ANI	493
05.1360.40A	472	05.1400.14BDA	474	05.1420.14ANI	476	05.1440.14ACB	490	05.1460.14A	492	05.1477.40BDA	493
05.1360.40ACB	472	05.1400.40A	474	05.1420.14BDA	476	05.1440.14ANI	490	05.1460.14ACB	492	05.1500.14A	478
05.1360.40ANI	472	05.1400.40ACB	474	05.1420.40A	476	05.1440.14BDA	490	05.1460.14ANI	492	05.1500.14ACB	478
05.1360.40BDA	472	05.1400.40ANI	474	05.1420.40ACB	476	05.1440.40A	490	05.1460.14BDA	492	05.1500.14ANI	478
05.1361.14A	472	05.1400.40BDA	474	05.1420.40ANI	476	05.1440.40ACB	490	05.1460.40A	492	05.1500.14BDA	478
05.1361.14ACB	472	05.1401.14A	474	05.1420.40BDA	476	05.1440.40ANI	490	05.1460.40ACB	492	05.1500.40A	478
05.1361.14ANI	472	05.1401.14ACB	474	05.1421.14A	476	05.1440.40BDA	490	05.1460.40ANI	492	05.1500.40ACB	478
05.1361.14BDA	472	05.1401.14ANI	474	05.1421.14ACB	476	05.1441.14A	490	05.1460.40BDA	492	05.1500.40ANI	478
05.1361.40A	472	05.1401.14BDA	474	05.1421.14ANI	476	05.1441.14ACB	490	05.1461.14A	492	05.1500.40BDA	478
05.1361.40ACB	472	05.1401.40A	474	05.1421.14BDA	476	05.1441.14ANI	490	05.1461.14ACB	492	05.1501.14A	478
05.1361.40ANI	472	05.1401.40ACB	474	05.1421.40A	476	05.1441.14BDA	490	05.1461.14ANI	492	05.1501.14ACB	478
05.1361.40BDA	472	05.1401.40ANI	474	05.1421.40ACB	476	05.1441.40A	490	05.1461.14BDA	492	05.1501.14ANI	478
05.1362.14A	472	05.1401.40BDA	474	05.1421.40ANI	476	05.1441.40ACB	490	05.1461.40A	492	05.1501.14BDA	478
05.1362.14ACB	472	05.1402.14A	474	05.1421.40BDA	476	05.1441.40ANI	490	05.1461.40ACB	492	05.1501.40A	478
05.1362.14ANI	472	05.1402.14ACB	474	05.1422.14A	476	05.1441.40BDA	490	05.1461.40ANI	492	05.1501.40ACB	478
05.1362.14BDA	472	05.1402.14ANI	474	05.1422.14ACB	476	05.1442.14A	490	05.1461.40BDA	492	05.1501.40ANI	478
05.1362.40A	472	05.1402.14BDA	474	05.1422.14ANI	476	05.1442.14ACB	490	05.1462.14A	492	05.1501.40BDA	478
05.1362.40ACB	472	05.1402.40A	474	05.1422.14BDA	476	05.1442.14ANI	490	05.1462.14ACB	492	05.1502.14A	478
05.1362.40ANI	472	05.1402.40ACB	474	05.1422.40A	476	05.1442.14BDA	490	05.1462.14ANI	492	05.1502.14ACB	478
05.1362.40BDA	472	05.1402.40ANI	474	05.1422.40ACB	476	05.1442.40A	490	05.1462.14BDA	492	05.1502.14ANI	478
05.1365.14A	472	05.1402.40BDA	474	05.1422.40ANI	476	05.1442.40ACB	490	05.1462.40A	492	05.1502.14BDA	478
05.1365.14ACB	472	05.1405.14A	474	05.1422.40BDA	476	05.1442.40ANI	490	05.1462.40ACB	492	05.1502.40A	478
05.1365.14ANI	472	05.1405.14ACB	474	05.1425.14A	476	05.1442.40BDA	490	05.1462.40ANI	492	05.1502.40ACB	478
05.1365.14BDA	472	05.1405.14ANI	474	05.1425.14ACB	476	05.1445.14A	490	05.1462.40BDA	492	05.1502.40ANI	478
05.1365.40A	472	05.1405.14BDA	474	05.1425.14ANI	476	05.1445.14ACB	490	05.1465.14A	492	05.1502.40BDA	478
05.1365.40ACB	472	05.1405.40A	474	05.1425.14BDA	476	05.1445.14ANI	490	05.1465.14ACB	492	05.1505.14A	478
05.1365.40ANI	472	05.1405.40ACB	474	05.1425.40A	476	05.1445.14BDA	490	05.1465.14ANI	492	05.1505.14ACB	478
05.1365.40BDA	472	05.1405.40ANI	474	05.1425.40ACB	476	05.1445.40A	490	05.1465.14BDA	492	05.1505.14ANI	478
05.1366.14A	472	05.1405.40BDA	474	05.1425.40ANI	476	05.1445.40ACB	490	05.1465.40A	492	05.1505.14BDA	478
05.1366.14ACB	472	05.1406.14A	474	05.1425.40BDA	476	05.1445.40ANI	490	05.1465.40ACB	492	05.1505.40A	478
05.1366.14ANI	472	05.1406.14ACB	474	05.1426.14A	476	05.1445.40BDA	490	05.1465.40ANI	492	05.1505.40ACB	478
05.1366.14BDA	472	05.1406.14ANI	474	05.1426.14ACB	476	05.1446.14A	490	05.1465.40BDA	492	05.1505.40ANI	478
05.1366.40A	472	05.1406.14BDA	474	05.1426.14ANI	476	05.1446.14ACB	490	05.1466.14A	492	05.1505.40BDA	478
05.1366.40ACB	472	05.1406.40A	474	05.1426.14BDA	476	05.1446.14ANI	490	05.1466.14ACB	492	05.1506.14A	478
05.1366.40ANI	472	05.1406.40ACB	474	05.1426.40A	476	05.1446.14BDA	490	05.1466.14ANI	492	05.1506.14ACB	478
05.1366.40BDA	472	05.1406.40ANI	474	05.1426.40ACB	476	05.1446.40A	490	05.1466.14BDA	492	05.1506.14ANI	478
05.1367.14A	472	05.1406.40BDA	474	05.1426.40ANI	476	05.1446.40ACB	490	05.1466.40A	492	05.1506.14BDA	478
05.1367.14ACB	472	05.1407.14A	474	05.1426.40BDA	476	05.1446.40ANI	490	05.1466.40ACB	492	05.1506.40A	478
05.1367.14ANI	472	05.1407.14ACB	474	05.1427.14A	476	05.1446.40BDA	490	05.1466.40ANI	492	05.1506.40ACB	478
05.1367.14BDA	472	05.1407.14ANI	474	05.1427.14ACB	476	05.1447.14A	490	05.1466.40BDA	492	05.1506.40ANI	478
05.1367.40A	472	05.1407.14BDA	474	05.1427.14ANI	476	05.1447.14ACB	490	05.1467.14A	492	05.1506.40BDA	478
05.1367.40ACB	472	05.1407.40A	474	05.1427.14BDA	476	05.1447.14ANI	490	05.1467.14ACB	492	05.1507.14A	478
05.1367.40ANI	472	05.1407.40ACB	474	05.1427.40A	476	05.1447.14BDA	490	05.1467.14ANI	492	05.1507.14ACB	478
05.1367.40BDA	472	05.1407.40ANI	474	05.1427.40ACB	476	05.1447.40A	490	05.1467.14BDA	492	05.1507.14ANI	478
05.1370.14A	473	05.1407.40BDA	474	05.1427.40ANI	476	05.1447.40ACB	490	05.1467.40A	492	05.1507.14BDA	478
05.1370.14ACB	473	05.1410.14A	475	05.1427.40BDA	476	05.1447.40ANI	490	05.1467.40ACB	492	05.1507.40A	478
05.1370.14ANI	473	05.1410.14ACB	475	05.1430.14A	477	05.1447.40BDA	490	05.1467.40ANI	492	05.1507.40ACB	478
05.1370.14BDA	473	05.1410.14ANI	475	05.1430.14ACB	477	05.1450.14A	491	05.1467.40BDA	492	05.1507.40ANI	478
05.1370.40A	473	05.1410.14BDA	475	05.1430.14ANI	477	05.1450.14ACB	491	05.1470.14A	493	05.1507.40BDA	478
05.1370.40ACB	473	05.1410.40A	475	05.1430.14BDA	477	05.1450.14ANI	491	05.1470.14ACB	493	05.1510.14A	479
05.1370.40ANI	473	05.1410.40ACB	475	05.1430.40A	477	05.1450.14BDA	491	05.1470.14ANI	493	05.1510.14ACB	479
05.1370.40BDA	473	05.1410.40ANI	475	05.1430.40ACB	477	05.1450.40A	491	05.1470.14BDA	493	05.1510.14ANI	479
05.1371.14A	473	05.1410.40BDA	475	05.1430.40ANI	477	05.1450.40ACB	491	05.1470.40A	493	05.1510.14BDA	479
05.1371.14ACB	473	05.1411.14A	475	05.1430.40BDA	477	05.1450.40ANI	491	05.1470.40ACB	493	05.1510.40A	479
05.1371.14ANI	473	05.1411.14ACB	475	05.1431.14A	477	05.1450.40BDA	491	05.1470.40ANI	493	05.1510.40ACB	479
05.1371.14BDA	473	05.1411.14ANI	475	05.1431.14ACB	477	05.1451.14A	491	05.1470.40BDA	493	05.1510.40ANI	479
05.1371.40A	473	05.1411.14BDA	475	05.1431.14ANI	477	05.1451.14ACB	491	05.1471.14A	493	05.1510.40BDA	479
05.1371.40ACB	473	05.1411.40A	475	05.1431.14BDA	477	05.1451.14ANI	491	05.1471.14ACB	493	05.1511.14A	479
05.1371.40ANI	473	05.1411.40ACB	475	05.1431.40A	477	05.1451.14BDA	491	05.1471.14ANI	493	05.1511.14ACB	479
05.1371.40BDA	473	05.1411.40ANI	475	05.1431.40ACB	477	05.1451.40A	491	05.1471.14BDA	493	05.1511.14ANI	479
05.1372.14A	473	05.1411.40BDA	475	05.1431.40ANI	477	05.1451.40ACB	491	05.1471.40A	493	05.1511.14BDA	479
05.1372.14ACB	473	05.1412.14A	475	05.1431.40BDA	477	05.1451.40ANI	491	05.1471.40ACB	493	05.1511.40A	479
05.1372.14ANI	473	05.1412.14ACB	475	05.1432.14A	477	05.1451.40BDA	491	05.1471.40ANI	493	05.1511.40ACB	479
05.1372.14BDA	473	05.1412.14ANI	475	05.1432.14ACB	477	05.1452.14A	491	05.1471.40BDA	493	05.1511.40ANI	479
05.1372.40A	473	05.1412.14BDA	475	05.1432.14ANI	477	05.1452.14ACB	491	05.1472.14A	493	05.1511.40BDA	479
05.1372.40ACB	473	05.1412.40A	475	05.1432.14BDA	477	05.1452.14ANI	491	05.1472.14ACB	493	05.1512.14A	479
05.1372.40ANI	473	05.1412.40ACB	475	05.1432.40A	477	05.1452.14BDA	491	05.1472.14ANI	493	05.1512.14ACB	479
05.1372.40BDA	473	05.1412.40ANI	475	05.1432.40ACB	477	05.1452.40A	491	05.1472.14BDA	493	05.1512.14ANI	479

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05.1512.40ACB	479	05.1532.40A	481	05.1552.14BDA	495	05.1572.14ANI	497	05.1612.14ACB	483	05.1632.14A	485
05.1512.40ANI	479	05.1532.40ACB	481	05.1552.40A	495	05.1572.14BDA	497	05.1612.14ANI	483	05.1632.14ACB	485
05.1512.40BDA	479	05.1532.40ANI	481	05.1552.40ACB	495	05.1572.40A	497	05.1612.14BDA	483	05.1632.14ANI	485
05.1515.14A	479	05.1532.40BDA	481	05.1552.40ANI	495	05.1572.40ACB	497	05.1612.40A	483	05.1632.14BDA	485
05.1515.14ACB	479	05.1535.14A	481	05.1552.40BDA	495	05.1572.40ANI	497	05.1612.40ACB	483	05.1632.40A	485
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05.1515.14BDA	479	05.1535.14ANI	481	05.1555.14ACB	495	05.1575.14A	497	05.1612.40BDA	483	05.1632.40ANI	485
05.1515.40A	479	05.1535.14BDA	481	05.1555.14ANI	495	05.1575.14ACB	497	05.1615.14A	483	05.1632.40BDA	485
05.1515.40ACB	479	05.1535.40A	481	05.1555.14BDA	495	05.1575.14ANI	497	05.1615.14ACB	483	05.1635.14A	485
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05.1515.40BDA	479	05.1535.40ANI	481	05.1555.40ACB	495	05.1575.40A	497	05.1615.14BDA	483	05.1635.14ANI	485
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05.1516.14ACB	479	05.1536.14A	481	05.1555.40BDA	495	05.1575.40ANI	497	05.1615.40ACB	483	05.1635.40A	485
05.1516.14ANI	479	05.1536.14ACB	481	05.1556.14A	495	05.1575.40BDA	497	05.1615.40ANI	483	05.1635.40ACB	485
05.1516.14BDA	479	05.1536.14ANI	481	05.1556.14ACB	495	05.1576.14A	497	05.1615.40BDA	483	05.1635.40ANI	485
05.1516.40A	479	05.1536.14BDA	481	05.1556.14ANI	495	05.1576.14ACB	497	05.1616.14A	483	05.1635.40BDA	485
05.1516.40ACB	479	05.1536.40A	481	05.1556.14BDA	495	05.1576.14ANI	497	05.1616.14ACB	483	05.1636.14A	485
05.1516.40ANI	479	05.1536.40ACB	481	05.1556.40A	495	05.1576.14BDA	497	05.1616.14ANI	483	05.1636.14ACB	485
05.1516.40BDA	479	05.1536.40ANI	481	05.1556.40ACB	495	05.1576.40A	497	05.1616.14BDA	483	05.1636.14ANI	485
05.1517.14A	479	05.1536.40BDA	481	05.1556.40ANI	495	05.1576.40ACB	497	05.1616.40A	483	05.1636.14BDA	485
05.1517.14ACB	479	05.1537.14A	481	05.1556.40BDA	495	05.1576.40ANI	497	05.1616.40ACB	483	05.1636.40A	485
05.1517.14ANI	479	05.1537.14ACB	481	05.1557.14A	495	05.1576.40BDA	497	05.1616.40ANI	483	05.1636.40ACB	485
05.1517.14BDA	479	05.1537.14ANI	481	05.1557.14ACB	495	05.1577.14A	497	05.1616.40BDA	483	05.1636.40ANI	485
05.1517.40A	479	05.1537.14BDA	481	05.1557.14ANI	495	05.1577.14ACB	497	05.1617.14A	483	05.1636.40BDA	485
05.1517.40ACB	479	05.1537.40A	481	05.1557.14BDA	495	05.1577.14ANI	497	05.1617.14ACB	483	05.1637.14A	485
05.1517.40ANI	479	05.1537.40ACB	481	05.1557.40A	495	05.1577.14BDA	497	05.1617.14ANI	483	05.1637.14ACB	485
05.1517.40BDA	479	05.1537.40ANI	481	05.1557.40ACB	495	05.1577.40A	497	05.1617.14BDA	483	05.1637.14ANI	485
05.1520.14A	480	05.1537.40BDA	481	05.1557.40ANI	495	05.1577.40ACB	497	05.1617.40A	483	05.1637.14BDA	485
05.1520.14ACB	480	05.1540.14A	494	05.1557.40BDA	495	05.1577.40ANI	497	05.1617.40ACB	483	05.1637.40A	485
05.1520.14ANI	480	05.1540.14ACB	494	05.1560.14A	496	05.1577.40BDA	497	05.1617.40ANI	483	05.1637.40ACB	485
05.1520.14BDA	480	05.1540.14ANI	494	05.1560.14ACB	496	05.1600.14A	482	05.1617.40BDA	483	05.1637.40ANI	485
05.1520.40A	480	05.1540.14BDA	494	05.1560.14ANI	496	05.1600.14ACB	482	05.1620.14A	484	05.1637.40BDA	485
05.1520.40ACB	480	05.1540.40A	494	05.1560.14BDA	496	05.1600.14ANI	482	05.1620.14ACB	484	05.1640.14A	498
05.1520.40ANI	480	05.1540.40ACB	494	05.1560.40A	496	05.1600.14BDA	482	05.1620.14ANI	484	05.1640.14ACB	498
05.1520.40BDA	480	05.1540.40ANI	494	05.1560.40ACB	496	05.1600.40A	482	05.1620.14BDA	484	05.1640.14ANI	498
05.1521.14A	480	05.1540.40BDA	494	05.1560.40ANI	496	05.1600.40ACB	482	05.1620.40A	484	05.1640.14BDA	498
05.1521.14ACB	480	05.1541.14A	494	05.1560.40BDA	496	05.1600.40ANI	482	05.1620.40ACB	484	05.1640.40A	498
05.1521.14ANI	480	05.1541.14ACB	494	05.1561.14A	496	05.1600.40BDA	482	05.1620.40ANI	484	05.1640.40ACB	498
05.1521.14BDA	480	05.1541.14ANI	494	05.1561.14ACB	496	05.1601.14A	482	05.1620.40BDA	484	05.1640.40ANI	498
05.1521.40A	480	05.1541.14BDA	494	05.1561.14ANI	496	05.1601.14ACB	482	05.1621.14A	484	05.1640.40BDA	498
05.1521.40ACB	480	05.1541.40A	494	05.1561.14BDA	496	05.1601.14ANI	482	05.1621.14ACB	484	05.1641.14A	498
05.1521.40ANI	480	05.1541.40ACB	494	05.1561.40A	496	05.1601.14BDA	482	05.1621.14ANI	484	05.1641.14ACB	498
05.1521.40BDA	480	05.1541.40ANI	494	05.1561.40ACB	496	05.1601.40A	482	05.1621.14BDA	484	05.1641.14ANI	498
05.1522.14A	480	05.1541.40BDA	494	05.1561.40ANI	496	05.1601.40ACB	482	05.1621.40A	484	05.1641.14BDA	498
05.1522.14ACB	480	05.1542.14A	494	05.1561.40BDA	496	05.1601.40ANI	482	05.1621.40ACB	484	05.1641.40A	498
05.1522.14ANI	480	05.1542.14ACB	494	05.1562.14A	496	05.1601.40BDA	482	05.1621.40ANI	484	05.1641.40ACB	498
05.1522.14BDA	480	05.1542.14ANI	494	05.1562.14ACB	496	05.1602.14A	482	05.1621.40BDA	484	05.1641.40ANI	498
05.1522.40A	480	05.1542.14BDA	494	05.1562.14ANI	496	05.1602.14ACB	482	05.1622.14A	484	05.1641.40BDA	498
05.1522.40ACB	480	05.1542.40A	494	05.1562.14BDA	496	05.1602.14ANI	482	05.1622.14ACB	484	05.1642.14A	498
05.1522.40ANI	480	05.1542.40ACB	494	05.1562.40A	496	05.1602.14BDA	482	05.1622.14ANI	484	05.1642.14ACB	498
05.1522.40BDA	480	05.1542.40ANI	494	05.1562.40ACB	496	05.1602.40A	482	05.1622.14BDA	484	05.1642.14ANI	498
05.1525.14A	480	05.1542.40BDA	494	05.1562.40ANI	496	05.1602.40ACB	482	05.1622.40A	484	05.1642.14BDA	498
05.1525.14ACB	480	05.1545.14A	494	05.1562.40BDA	496	05.1602.40ANI	482	05.1622.40ACB	484	05.1642.40A	498
05.1525.14ANI	480	05.1545.14ACB	494	05.1565.14A	496	05.1602.40BDA	482	05.1622.40ANI	484	05.1642.40ACB	498
05.1525.14BDA	480	05.1545.14ANI	494	05.1565.14ACB	496	05.1605.14A	482	05.1622.40BDA	484	05.1642.40ANI	498
05.1525.40A	480	05.1545.14BDA	494	05.1565.14ANI	496	05.1605.14ACB	482	05.1625.14A	484	05.1642.40BDA	498
05.1525.40ACB	480	05.1545.40A	494	05.1565.14BDA	496	05.1605.14ANI	482	05.1625.14ACB	484	05.1645.14A	498
05.1525.40ANI	480	05.1545.40ACB	494	05.1565.40A	496	05.1605.14BDA	482	05.1625.14ANI	484	05.1645.14ACB	498
05.1525.40BDA	480	05.1545.40ANI	494	05.1565.40ACB	496	05.1605.40A	482	05.1625.14BDA	484	05.1645.14ANI	498
05.1526.14A	480	05.1545.40BDA	494	05.1565.40ANI	496	05.1605.40ACB	482	05.1625.40A	484	05.1645.14BDA	498
05.1526.14ACB	480	05.1546.14A	494	05.1565.40BDA	496	05.1605.40ANI	482	05.1625.40ACB	484	05.1645.40A	498
05.1526.14ANI	480	05.1546.14ACB	494	05.1566.14A	496	05.1605.40BDA	482	05.1625.40ANI	484	05.1645.40ACB	498
05.1526.14BDA	480	05.1546.14ANI	494	05.1566.14ACB	496	05.1606.14A	482	05.1625.40BDA	484	05.1645.40ANI	498
05.1526.40A	480	05.1546.14BDA	494	05.1566.14ANI	496	05.1606.14ACB	482	05.1626.14A	484	05.1645.40BDA	498
05.1526.40ACB	480	05.1546.40A	494	05.1566.14BDA	496	05.1606.14ANI	482	05.1626.14ACB	484	05.1646.14A	498
05.1526.40ANI	480	05.1546.40ACB	494	05.1566.40A	496	05.1606.14BDA	482	05.1626.14ANI	484	05.1646.14ACB	498
05.1526.40BDA	480	05.1546.40ANI	494	05.1566.40ACB	496	05.1606.40A	482	05.1626.14BDA	484	05.1646.14ANI	498
05.1527.14A	480	05.1546.40BDA	494	05.1566.40ANI	496	05.1606.40ACB	482	05.1626.40A	484	05.1646.14BDA	498
05.1527.14ACB	480	05.1547.14A	494	05.1566.40BDA	496	05.1606.40ANI	482	05.1626.40ACB	484	05.1646.40A	498
05.1527.14ANI	480	05.1547.14ACB	494	05.1567.14A	496	05.1606.40BDA	482	05.1626.40ANI	484	05.1646.40ACB	498
05.1527.14BDA	480	05.1547.14ANI	494	05.1567.14ACB	496	05.1607.14A	482	05.1626.40BDA	484	05.1646.40ANI	498
05.1527.40A	480	05.1547.14BDA	494	05.1567.14ANI	496	05.1607.14ACB	482	05.1627.14A	484	05.1646.40BDA	498
05.1527.40ACB	480	05.1547.40A	494	05.1567.14BDA	496	05.1607.14ANI	482	05.1627.14ACB	484	05.1647.14A	498
05.1527.40ANI	480	05.1547.40ACB	494	05.1567.40A	496	05.1607.14BDA	482	05.1627.14ANI	484	05.1647.14ACB	498
05.1527.40BDA	480	05.1547.40ANI	494	05.1567.40ACB	496	05.1607.40A	482	05.1627.14BDA	484	05.1647.14ANI	498
05.1530.14A	481	05.1547.40BDA	494	05.1567.40ANI	496	05.1607.40ACB	482	05.1627.40A	484	05.1647.14BDA	498
05.1530.14ACB	481	05.1550.14A	495	05.1567.40BDA	496	05.1607.40ANI	482	05.1627.40ACB	484	05.1647.40A	498
05.1530.14ANI	481	05.1550.14ACB	495	05.1570.14A	497	05.1607.40BDA	482	05.1627.40ANI	484	05.1647.40ACB	498
05.1530.14BDA	481	05.1550.14ANI	495	05.1570.14ACB	497	05.1610.14A	483	05.1627.40BDA	484	05.1647.40ANI	498
05.1530.40A	481	05.1550.14BDA	495	05.1570.14ANI	497	05.1610.14ACB	483	05.1630.14A	485	05.1647.40BDA	498
05.1530.40ACB	481	05.1550.40A	495	05.1570.14BDA	497	05.1610.14ANI	483	05.1630.14ACB	485	05.1650.14A	499
05.1530.40ANI	481	05.1550.40ACB	495	05.1570.40A	497	05.1610.14BDA	483	05.1630.14ANI	485	05.1650.14ACB	499
05.1530.40BDA	481	05.1550.40ANI	495	05.1570.40ACB	497	05.1610.40A	483	05.1630.14BDA	485	05.1650.14ANI	499
05.1531.14A	481	05.1550.40BDA	495	05.1570.40ANI	497	05.1610.40ACB	483	05.1630.40A	485	05.1650.14BDA	499
05.1531.14ACB	481	05.1551.14A	495	05.1570.40BDA	497	05.1610.40ANI	483	05.1630.40ACB	485	05.1650.40A	499
05.1531.14ANI	481	05.1551.14ACB	495	05.1571.14A	497	05.1610.40BDA	483	05.1630.40ANI	485	05.1650.40ACB	499
05.1531.14BDA	481	05.1551.14ANI	495	05.1571.14ACB	497	05.1611.14A	483	05.1630.40BDA	485	05.1650.40ANI	499
05.1531.40A	481	05.1551.14BDA	495	05.1571.14ANI	497	05.1611.14ACB	483	05.1631.14A	485	05.1650.40BDA	499
05.1531.40ACB	481	05.1551.40A	495	05.1571.14BDA	497	05.1611.14ANI	483	05.1631.14ACB	485	05.1651.14A	499
05.1531.40ANI	481	05.1551.40ACB	495	05.1571.40A	497	05.1611.14BDA	483	05.1631.14ANI	485	05.1651.14ACB	499
05.1531.40BDA	481	05.1551.40ANI	495	05.1571.40ACB	497	05.1611.40A	483	05.1631.14BDA	485	05.1651.14ANI	499
05.1532.14A	481	05.1551.40BDA	495	05.1571.40ANI	497	05.1611.40ACB	483	05.1631.40A	485	05.1651.14BDA	499
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05.1651.40ANI	499	05.1671.40ACB	501	05.1711.40A	487	05.1731.14BDA	489	05.1751.14ANI	503	05.1771.14ACB	505
05.1651.40BDA	499	05.1671.40ANI	501	05.1711.40ACB	487	05.1731.40A	489	05.1751.14BDA	503	05.1771.14ANI	505
05.1652.14A	499	05.1671.40BDA	501	05.1711.40ANI	487	05.1731.40ACB	489	05.1751.40A	503	05.1771.14BDA	505
05.1652.14ACB	499	05.1672.14A	501	05.1711.40BDA	487	05.1731.40ANI	489	05.1751.40ACB	503	05.1771.40A	505
05.1652.14ANI	499	05.1672.14ACB	501	05.1712.14A	487	05.1731.40BDA	489	05.1751.40ANI	503	05.1771.40ACB	505
05.1652.14BDA	499	05.1672.14ANI	501	05.1712.14ACB	487	05.1732.14A	489	05.1751.40BDA	503	05.1771.40ANI	505
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05.1652.40ANI	499	05.1672.40ACB	501	05.1712.40A	487	05.1732.14BDA	489	05.1752.14ANI	503	05.1772.14ACB	505
05.1652.40BDA	499	05.1672.40ANI	501	05.1712.40ACB	487	05.1732.40A	489	05.1752.14BDA	503	05.1772.14ANI	505
05.1655.14A	499	05.1672.40BDA	501	05.1712.40ANI	487	05.1732.40ACB	489	05.1752.40A	503	05.1772.14BDA	505
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05.1655.14ANI	499	05.1675.14ACB	501	05.1715.14A	487	05.1732.40BDA	489	05.1752.40ANI	503	05.1772.40ACB	505
05.1655.14BDA	499	05.1675.14ANI	501	05.1715.14ACB	487	05.1735.14A	489	05.1752.40BDA	503	05.1772.40ANI	505
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05.1655.40ACB	499	05.1675.40A	501	05.1715.14BDA	487	05.1735.14ANI	489	05.1755.14ACB	503	05.1775.14A	505
05.1655.40ANI	499	05.1675.40ACB	501	05.1715.40A	487	05.1735.14BDA	489	05.1755.14ANI	503	05.1775.14ACB	505
05.1655.40BDA	499	05.1675.40ANI	501	05.1715.40ACB	487	05.1735.40A	489	05.1755.14BDA	503	05.1775.14ANI	505
05.1656.14A	499	05.1675.40BDA	501	05.1715.40ANI	487	05.1735.40ACB	489	05.1755.40A	503	05.1775.14BDA	505
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05.1656.40ANI	499	05.1676.40ACB	501	05.1716.40A	487	05.1736.14BDA	489	05.1756.14ANI	503	05.1776.14ACB	505
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05.1657.14BDA	499	05.1677.14ANI	501	05.1717.14ACB	487	05.1737.14A	489	05.1756.40BDA	503	05.1776.40ANI	505
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05.1657.40ACB	499	05.1677.40A	501	05.1717.14BDA	487	05.1737.14ANI	489	05.1757.14ACB	503	05.1777.14A	505
05.1657.40ANI	499	05.1677.40ACB	501	05.1717.40A	487	05.1737.14BDA	489	05.1757.14ANI	503	05.1777.14ACB	505
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05.1660.14ANI	500	05.1700.14ACB	486	05.1720.14A	488	05.1737.40BDA	489	05.1757.40ANI	503	05.1777.40ACB	505
05.1660.14BDA	500	05.1700.14ANI	486	05.1720.14ACB	488	05.1740.14A	502	05.1757.40BDA	503	05.1777.40ANI	505
05.1660.40A	500	05.1700.14BDA	486	05.1720.14ANI	488	05.1740.14ACB	502	05.1760.14A	504	05.1777.40BDA	505
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05.1660.40ANI	500	05.1700.40ACB	486	05.1720.40A	488	05.1740.14BDA	502	05.1760.14ANI	504	05.1800.14ACB	222
05.1660.40BDA	500	05.1700.40ANI	486	05.1720.40ACB	488	05.1740.40A	502	05.1760.14BDA	504	05.1800.14ADA	222
05.1661.14A	500	05.1700.40BDA	486	05.1720.40ANI	488	05.1740.40ACB	502	05.1760.40A	504	05.1800.40A	222
05.1661.14ACB	500	05.1701.14A	486	05.1720.40BDA	488	05.1740.40ANI	502	05.1760.40ACB	504	05.1800.40ACB	222
05.1661.14ANI	500	05.1701.14ACB	486	05.1721.14A	488	05.1740.40BDA	502	05.1760.40ANI	504	05.1800.40ADA	222
05.1661.14BDA	500	05.1701.14ANI	486	05.1721.14ACB	488	05.1741.14A	502	05.1760.40BDA	504	05.1801.14A	222
05.1661.40A	500	05.1701.14BDA	486	05.1721.14ANI	488	05.1741.14ACB	502	05.1761.14A	504	05.1801.14ACB	222
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05.1661.40ANI	500	05.1701.40ACB	486	05.1721.40A	488	05.1741.14BDA	502	05.1761.14ANI	504	05.1801.40A	222
05.1661.40BDA	500	05.1701.40ANI	486	05.1721.40ACB	488	05.1741.40A	502	05.1761.14BDA	504	05.1801.40ACB	222
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05.1662.14ANI	500	05.1702.14ACB	486	05.1722.14A	488	05.1741.40BDA	502	05.1761.40ANI	504	05.1802.14ACB	222
05.1662.14BDA	500	05.1702.14ANI	486	05.1722.14ACB	488	05.1742.14A	502	05.1761.40BDA	504	05.1802.14ADA	222
05.1662.40A	500	05.1702.14BDA	486	05.1722.14ANI	488	05.1742.14ACB	502	05.1762.14A	504	05.1802.40A	222
05.1662.40ACB	500	05.1702.40A	486	05.1722.14BDA	488	05.1742.14ANI	502	05.1762.14ACB	504	05.1802.40ACB	222
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05.1665.14ACB	500	05.1705.14A	486	05.1722.40BDA	488	05.1742.40ANI	502	05.1762.40ACB	504	05.1805.14ADA	222
05.1665.14ANI	500	05.1705.14ACB	486	05.1725.14A	488	05.1742.40BDA	502	05.1762.40ANI	504	05.1805.40A	222
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05.1665.40A	500	05.1705.14BDA	486	05.1725.14ANI	488	05.1745.14ACB	502	05.1765.14A	504	05.1805.40ADA	222
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05.1666.14A	500	05.1705.40BDA	486	05.1725.40ANI	488	05.1745.40ACB	502	05.1765.40A	504	05.1806.40A	222
05.1666.14ACB	500	05.1706.14A	486	05.1725.40BDA	488	05.1745.40ANI	502	05.1765.40ACB	504	05.1806.40ACB	222
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05.1666.14BDA	500	05.1706.14ANI	486	05.1726.14ACB	488	05.1746.14A	502	05.1765.40BDA	504	05.1807.14A	222
05.1666.40A	500	05.1706.14BDA	486	05.1726.14ANI	488	05.1746.14ACB	502	05.1766.14A	504	05.1807.14ACB	222
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05.1820.14ACB	224	05.2132.40A	511	05.2266.14ADA	510	05.2505.EQ	532	05.2608.14.NI	543	05.2623.14	542
05.1820.14ADA	224	05.2132.40ADA	511	05.2270.14A	511	05.2505.ER	532	05.2608.40	543	05.2623.14.NI	542
05.1820.40A	224	05.2133.40A	511	05.2270.14ADA	511	05.2505.ES	532	05.2608.40.NI	543	05.2623.40	542
05.1820.40ACB	224	05.2133.40ADA	511	05.2271.14A	511	05.2506.14	532	05.2608.ER	543	05.2623.40.NI	542
05.1820.40ADA	224	05.2137.40A	511	05.2271.14ADA	511	05.2506.40	532	05.2608.ER.NI	543	05.2623.ER	542
05.1821.14A	224	05.2137.40ADA	511	05.2275.14A	511	05.2506.EQ	532	05.2609.ES	543	05.2623.ER.NI	542
05.1821.14ACB	224	05.2138.40A	511	05.2275.14ADA	511	05.2506.ER	532	05.2609.ES.NI	543	05.2624.ES	542
05.1821.14ADA	224	05.2138.40ADA	511	05.2276.14A	511	05.2506.ES	532	05.2610.14	544	05.2624.ES.NI	542
05.1821.40A	224	05.2142.14A	508	05.2276.14ADA	511	05.2507.14	532	05.2610.14.NI	544	05.2625.14	543
05.1821.40ACB	224	05.2142.14ADA	508	05.2300.14A	508	05.2507.40	532	05.2610.40	544	05.2625.14.NI	543
05.1821.40ADA	224	05.2143.14A	508	05.2300.14ADA	508	05.2507.EQ	532	05.2610.40.NI	544	05.2625.40	543
05.1822.14A	224	05.2143.14ADA	508	05.2301.14A	508	05.2507.ER	532	05.2611.14	544	05.2625.40.NI	543
05.1822.14ACB	224	05.2147.14A	508	05.2301.14ADA	508	05.2507.ES	532	05.2611.14.NI	544	05.2626.14	543
05.1822.14ADA	224	05.2147.14ADA	508	05.2305.14A	508	05.2508.14	532	05.2611.40	544	05.2626.14.NI	543
05.1822.40A	224	05.2148.14A	508	05.2305.14ADA	508	05.2508.40	532	05.2611.40.NI	544	05.2626.40	543
05.1822.40ACB	224	05.2148.14ADA	508	05.2306.14A	508	05.2508.EQ	532	05.2611.EQ	544	05.2626.40.NI	543
05.1822.40ADA	224	05.2152.14A	509	05.2306.14ADA	508	05.2508.ER	532	05.2611.EQ.NI	544	05.2626.EQ	543
05.1825.14A	224	05.2152.14ADA	509	05.2310.14A	509	05.2508.ES	532	05.2611.ER	544	05.2626.EQ.NI	543
05.1825.14ACB	224	05.2153.14A	509	05.2310.14ADA	509	05.2510.14	532	05.2611.ER.NI	544	05.2626.ER	543
05.1825.14ADA	224	05.2153.14ADA	509	05.2311.14A	509	05.2510.40	532	05.2611.ES	544	05.2626.ER.NI	543
05.1825.40A	224	05.2157.14A	509	05.2311.14ADA	509	05.2510.EQ	532	05.2611.ES.NI	544	05.2626.ES	543
05.1825.40ACB	224	05.2157.14ADA	509	05.2315.14A	509	05.2510.ER	532	05.2611.TK	544	05.2626.ES.NI	543
05.1825.40ADA	224	05.2158.14A	509	05.2315.14ADA	509	05.2510.ES	532	05.2611.TK.NI	544	05.2626.TK	543
05.1826.14A	224	05.2158.14ADA	509	05.2316.14A	509	05.2511.14	532	05.2612.14	544	05.2626.TK.NI	543
05.1826.14ACB	224	05.2162.14A	510	05.2316.14ADA	509	05.2511.40	532	05.2612.14.NI	544	05.2627.14	543
05.1826.14ADA	224	05.2162.14ADA	510	05.2320.14A	510	05.2511.EQ	532	05.2612.40	544	05.2627.14.NI	543
05.1826.40A	224	05.2163.14A	510	05.2320.14ADA	510	05.2511.ER	532	05.2612.40.NI	544	05.2627.40	543
05.1826.40ACB	224	05.2163.14ADA	510	05.2321.14A	510	05.2511.ES	532	05.2612.EQ	544	05.2627.40.NI	543
05.1826.40ADA	224	05.2167.14A	510	05.2321.14ADA	510	05.2512.14	532	05.2612.EQ.NI	544	05.2627.EQ	543
05.1827.14A	224	05.2167.14ADA	510	05.2325.14A	510	05.2512.40	532	05.2612.TK	544	05.2627.EQ.NI	543
05.1827.14ACB	224	05.2168.14A	510	05.2325.14ADA	510	05.2512.EQ	532	05.2612.TK.NI	544	05.2627.TK	543
05.1827.14ADA	224	05.2168.14ADA	510	05.2326.14A	510	05.2512.ER	532	05.2613.14	544	05.2627.TK.NI	543
05.1827.40A	224	05.2172.14A	511	05.2326.14ADA	510	05.2512.ES	532	05.2613.14.NI	544	05.2628.14	543
05.1827.40ACB	224	05.2172.14ADA	511	05.2330.14A	511	05.2513.14	532	05.2613.40	544	05.2628.14.NI	543
05.1827.40ADA	224	05.2173.14A	511	05.2330.14ADA	511	05.2513.40	532	05.2613.40.NI	544	05.2628.40	543
05.1830.14A	225	05.2173.14ADA	511	05.2331.14A	511	05.2513.EQ	532	05.2613.ER	544	05.2628.40.NI	543
05.1830.14ACB	225	05.2177.14A	511	05.2331.14ADA	511	05.2513.ER	532	05.2613.ER.NI	544	05.2628.ER	543
05.1830.14ADA	225	05.2177.14ADA	511	05.2335.14A	511	05.2513.ES	532	05.2614.ES	544	05.2628.ER.NI	543
05.1830.40A	225	05.2178.14A	511	05.2335.14ADA	511	05.2600.14	542	05.2614.ES.NI	544	05.2629.ES	543
05.1830.40ACB	225	05.2178.14ADA	511	05.2336.14A	511	05.2600.14.NI	542	05.2615.14	545	05.2629.ES.NI	543
05.1830.40ADA	225	05.2200.14A	508	05.2336.14ADA	511	05.2600.40	542	05.2615.14.NI	545	05.2630.14	544
05.1831.14A	225	05.2200.14ADA	508	05.2340.14A	508	05.2600.40.NI	542	05.2615.40	545	05.2630.14.NI	544
05.1831.14ACB	225	05.2201.14A	508	05.2340.14ADA	508	05.2601.14	542	05.2615.40.NI	545	05.2630.40	544
05.1831.14ADA	225	05.2201.14ADA	508	05.2341.14A	508	05.2601.14.NI	542	05.2616.14	545	05.2630.40.NI	544
05.1831.40A	225	05.2205.14A	508	05.2341.14ADA	508	05.2601.40	542	05.2616.14.NI	545	05.2631.14	544
05.1831.40ACB	225	05.2205.14ADA	508	05.2345.14A	508	05.2601.40.NI	542	05.2616.40	545	05.2631.14.NI	544
05.1831.40ADA	225	05.2206.14A	508	05.2345.14ADA	508	05.2601.EQ	542	05.2616.40.NI	545	05.2631.40	544
05.1832.14A	225	05.2206.14ADA	508	05.2346.14A	508	05.2601.EQ.NI	542	05.2616.EQ	545	05.2631.40.NI	544
05.1832.14ACB	225	05.2210.14A	509	05.2346.14ADA	508	05.2601.ER	542	05.2616.EQ.NI	545	05.2631.EQ	544
05.1832.14ADA	225	05.2210.14ADA	509	05.2350.14A	509	05.2601.ER.NI	542	05.2616.ER	545	05.2631.EQ.NI	544
05.1832.40A	225	05.2211.14A	509	05.2350.14ADA	509	05.2601.ES	542	05.2616.ER.NI	545	05.2631.ER	544
05.1832.40ACB	225	05.2211.14ADA	509	05.2351.14A	509	05.2601.ES.NI	542	05.2616.ES	545	05.2631.ER.NI	544
05.1832.40ADA	225	05.2215.14A	509	05.2351.14ADA	509	05.2601.TK	542	05.2616.ES.NI	545	05.2631.ES	544
05.1835.14A	225	05.2215.14ADA	509	05.2355.14A	509	05.2601.TK.NI	542	05.2616.TK	545	05.2631.ES.NI	544
05.1835.14ACB	225	05.2216.14A	509	05.2355.14ADA	509	05.2602.14	542	05.2616.TK.NI	545	05.2631.TK	544
05.1835.14ADA	225	05.2216.14ADA	509	05.2356.14A	509	05.2602.14.NI	542	05.2617.14	545	05.2631.TK.NI	544
05.1835.40A	225	05.2220.14A	510	05.2356.14ADA	509	05.2602.40	542	05.2617.14.NI	545	05.2632.14	544
05.1835.40ACB	225	05.2220.14ADA	510	05.2360.14A	510	05.2602.40.NI	542	05.2617.40	545	05.2632.14.NI	544
05.1835.40ADA	225	05.2221.14A	510	05.2360.14ADA	510	05.2602.EQ	542	05.2617.40.NI	545	05.2632.40	544
05.1836.14A	225	05.2221.14ADA	510	05.2361.14A	510	05.2602.EQ.NI	542	05.2617.EQ	545	05.2632.40.NI	544
05.1836.14ACB	225	05.2225.14A	510	05.2361.14ADA	510	05.2602.TK	542	05.2617.EQ.NI	545	05.2632.EQ	544
05.1836.14ADA	225	05.2225.14ADA	510	05.2365.14A	510	05.2602.TK.NI	542	05.2617.TK	545	05.2632.EQ.NI	544
05.1836.40A	225	05.2226.14A	510	05.2365.14ADA	510	05.2603.14	542	05.2617.TK.NI	545	05.2632.TK	544
05.1836.40ACB	225	05.2226.14ADA	510	05.2366.14A	510	05.2603.14.NI	542	05.2618.14	545	05.2632.TK.NI	544
05.1836.40ADA	225	05.2230.14A	511	05.2366.14ADA	510	05.2603.40	542	05.2618.14.NI	545	05.2633.14	544
05.1837.14A	225	05.2230.14ADA	511	05.2370.14A	511	05.2603.40.NI	542	05.2618.40	545	05.2633.14.NI	544
05.1837.14ACB	225	05.2231.14A	511	05.2370.14ADA	511	05.2603.ER	542	05.2618.40.NI	545	05.2633.40	544
05.1837.14ADA	225	05.2231.14ADA	511	05.2371.14A	511	05.2603.ER.NI	542	05.2618.ER	545	05.2633.40.NI	544
05.1837.40A	225	05.2235.14A	511	05.2371.14ADA	511	05.2604.ES	542	05.2618.ER.NI	545	05.2633.ER	544
05.1837.40ACB	225	05.2235.14ADA	511	05.2375.14A	511	05.2604.ES.NI	542	05.2619.ES	545	05.2633.ER.NI	544
05.1837.40ADA	225	05.2236.14A	511	05.2375.14ADA	511	05.2605.14	543	05.2619.ES.NI	545	05.2634.ES	544
05.2102.40A	508	05.2236.14ADA	511	05.2376.14A	511	05.2605.14.NI	543	05.2620.14	542	05.2634.ES.NI	544
05.2102.40ADA	508	05.2240.14A	508	05.2376.14ADA	511	05.2605.40	543	05.2620.14.NI	542	05.2635.14	545
05.2103.40A	508	05.2240.14ADA	508	05.2500.14	532	05.2605.40.NI	543	05.2620.40	542	05.2635.14.NI	545
05.2103.40ADA	508	05.2241.14A	508	05.2500.40	532	05.2606.14	543	05.2620.40.NI	542	05.2635.40	545
05.2107.40A	508	05.2241.14ADA	508	05.2500.EQ	532	05.2606.14.NI	543	05.2621.14	542	05.2635.40.NI	545
05.2107.40ADA	508	05.2245.14A	508	05.2500.ER	532	05.2606.40	543	05.2621.14.NI	542	05.2636.14	545

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05.2636.40	545	05.2651.14.NI	544	05.2711.EQ	539	05.2751.40	539	05.3201.EQ.1V	150	05.3231.ES	151
05.2636.40.NI	545	05.2651.40	544	05.2711.ER	539	05.2751.EQ	539	05.3201.EQ.DA	150	05.3231.ES.1V	151
05.2636.EQ	545	05.2651.40.NI	544	05.2711.ES	539	05.2751.ER	539	05.3201.ER	150	05.3231.ES.DA	151
05.2636.EQ.NI	545	05.2651.EQ	544	05.2711.TK	539	05.2751.ES	539	05.3201.ER.1V	150	05.3500.DR	763
05.2636.ER	545	05.2651.EQ.NI	544	05.2712.14	539	05.2751.TK	539	05.3201.ER.DA	150	05.3500.DR.DA	763
05.2636.ER.NI	545	05.2651.ER	544	05.2712.40	539	05.2752.14	539	05.3201.ES	150	05.3500.DR.NI	763
05.2636.ES	545	05.2651.ER.NI	544	05.2712.EQ	539	05.2752.40	539	05.3201.ES.1V	150	05.3500.DY	763
05.2636.ES.NI	545	05.2651.ES	544	05.2712.TK	539	05.2752.EQ	539	05.3201.ES.DA	150	05.3500.DY.DA	763
05.2636.TK	545	05.2651.ES.NI	544	05.2713.14	539	05.2752.TK	539	05.3210.14	151	05.3500.DY.NI	763
05.2636.TK.NI	545	05.2651.TK	544	05.2713.40	539	05.2753.14	539	05.3210.14.1V	151	05.3500.EQ	763
05.2637.14	545	05.2651.TK.NI	544	05.2713.ER	539	05.2753.40	539	05.3210.14.DA	151	05.3500.EQ.DA	763
05.2637.14.NI	545	05.2652.14	544	05.2714.ES	539	05.2753.ER	539	05.3210.40	151	05.3500.EQ.NI	763
05.2637.40	545	05.2652.14.NI	544	05.2720.14	538	05.2754.ES	539	05.3210.40.1V	151	05.3500.ER	763
05.2637.40.NI	545	05.2652.40	544	05.2720.40	538	05.2900.C5	66	05.3210.40.DA	151	05.3500.ER.DA	763
05.2637.EQ	545	05.2652.40.NI	544	05.2721.14	538	05.2901.C5	66	05.3210.EQ	151	05.3500.ER.NI	763
05.2637.EQ.NI	545	05.2652.EQ	544	05.2721.40	538	05.2902.C5	66	05.3210.EQ.1V	151	05.3500.ES	763
05.2637.TK	545	05.2652.EQ.NI	544	05.2721.EQ	538	05.2905.C5	66	05.3210.EQ.DA	151	05.3500.ES.DA	763
05.2637.TK.NI	545	05.2652.TK	544	05.2721.ER	538	05.2906.C5	66	05.3210.ER	151	05.3500.ES.NI	763
05.2638.14	545	05.2652.TK.NI	544	05.2721.ES	538	05.2907.C5	66	05.3210.ER.1V	151	05.3501.DR	763
05.2638.14.NI	545	05.2653.14	544	05.2721.TK	538	05.2910.C5	67	05.3210.ER.DA	151	05.3501.DR.DA	763
05.2638.40	545	05.2653.14.NI	544	05.2722.14	538	05.2911.C5	67	05.3210.ES	151	05.3501.DR.NI	763
05.2638.40.NI	545	05.2653.40	544	05.2722.40	538	05.2912.C5	67	05.3210.ES.1V	151	05.3501.DY	763
05.2638.ER	545	05.2653.40.NI	544	05.2722.EQ	538	05.2915.C5	67	05.3210.ES.DA	151	05.3501.DY.DA	763
05.2638.ER.NI	545	05.2653.ER	544	05.2722.TK	538	05.2916.C5	67	05.3211.14	151	05.3501.DY.NI	763
05.2639.ES	545	05.2653.ER.NI	544	05.2723.14	538	05.2917.C5	67	05.3211.14.1V	151	05.3501.EQ	763
05.2639.ES.NI	545	05.2654.ES	544	05.2723.40	538	05.2920.C5	66	05.3211.14.DA	151	05.3501.EQ.DA	763
05.2640.14	542	05.2654.ES.NI	544	05.2723.ER	538	05.2921.C5	66	05.3211.40	151	05.3501.EQ.NI	763
05.2640.14.NI	542	05.2655.14	545	05.2724.ES	538	05.2922.C5	66	05.3211.40.1V	151	05.3501.ER	763
05.2640.40	542	05.2655.14.NI	545	05.2725.14	538	05.2925.C5	66	05.3211.40.DA	151	05.3501.ER.DA	763
05.2640.40.NI	542	05.2655.40	545	05.2725.40	538	05.2926.C5	66	05.3211.EQ	151	05.3501.ER.NI	763
05.2641.14	542	05.2655.40.NI	545	05.2726.14	538	05.2927.C5	66	05.3211.EQ.1V	151	05.3501.ES	763
05.2641.14.NI	542	05.2656.14	545	05.2726.40	538	05.2930.C5	67	05.3211.EQ.DA	151	05.3501.ES.DA	763
05.2641.40	542	05.2656.14.NI	545	05.2726.EQ	538	05.2931.C5	67	05.3211.ER	151	05.3501.ES.NI	763
05.2641.40.NI	542	05.2656.40	545	05.2726.ER	538	05.2932.C5	67	05.3211.ER.1V	151	05.3505.DR	763
05.2641.EQ	542	05.2656.40.NI	545	05.2726.ES	538	05.2935.C5	67	05.3211.ER.DA	151	05.3505.DR.DA	763
05.2641.EQ.NI	542	05.2656.EQ	545	05.2726.TK	538	05.2936.C5	67	05.3211.ES	151	05.3505.DR.NI	763
05.2641.ER	542	05.2656.EQ.NI	545	05.2727.14	538	05.2937.C5	67	05.3211.ES.1V	151	05.3505.DY	763
05.2641.ER.NI	542	05.2656.ER	545	05.2727.40	538	05.2950.C5	68	05.3211.ES.DA	151	05.3505.DY.DA	763
05.2641.ES	542	05.2656.ER.NI	545	05.2727.EQ	538	05.2951.C5	68	05.3220.14	150	05.3505.DY.NI	763
05.2641.ES.NI	542	05.2656.ES	545	05.2727.TK	538	05.2952.C5	68	05.3220.14.1V	150	05.3505.EQ	763
05.2641.TK	542	05.2656.ES.NI	545	05.2728.14	538	05.2953.C5	68	05.3220.14.DA	150	05.3505.EQ.DA	763
05.2641.TK.NI	542	05.2656.TK	545	05.2728.40	538	05.2955.C5	68	05.3220.40	150	05.3505.EQ.NI	763
05.2642.14	542	05.2656.TK.NI	545	05.2728.ER	538	05.2956.C5	68	05.3220.40.1V	150	05.3505.ER	763
05.2642.14.NI	542	05.2657.14	545	05.2729.ES	538	05.2957.C5	68	05.3220.40.DA	150	05.3505.ER.DA	763
05.2642.40	542	05.2657.14.NI	545	05.2730.14	539	05.2958.C5	68	05.3220.EQ	150	05.3505.ER.NI	763
05.2642.40.NI	542	05.2657.40	545	05.2730.40	539	05.2960.C5	69	05.3220.EQ.1V	150	05.3505.ES	763
05.2642.EQ	542	05.2657.40.NI	545	05.2731.14	539	05.2961.C5	69	05.3220.EQ.DA	150	05.3505.ES.DA	763
05.2642.EQ.NI	542	05.2657.EQ	545	05.2731.40	539	05.2962.C5	69	05.3220.ER	150	05.3505.ES.NI	763
05.2642.TK	542	05.2657.EQ.NI	545	05.2731.EQ	539	05.2965.C5	69	05.3220.ER.1V	150	05.3506.DR	763
05.2642.TK.NI	542	05.2657.TK	545	05.2731.ER	539	05.2966.C5	69	05.3220.ER.DA	150	05.3506.DR.DA	763
05.2643.14	542	05.2657.TK.NI	545	05.2731.ES	539	05.2967.C5	69	05.3220.ES	150	05.3506.DR.NI	763
05.2643.14.NI	542	05.2658.14	545	05.2731.TK	539	05.2970.C5	68	05.3220.ES.1V	150	05.3506.DY	763
05.2643.40	542	05.2658.14.NI	545	05.2732.14	539	05.2971.C5	68	05.3220.ES.DA	150	05.3506.DY.DA	763
05.2643.40.NI	542	05.2658.40	545	05.2732.40	539	05.2972.C5	68	05.3221.14	150	05.3506.DY.NI	763
05.2643.ER	542	05.2658.40.NI	545	05.2732.EQ	539	05.2973.C5	68	05.3221.14.1V	150	05.3506.EQ	763
05.2643.ER.NI	542	05.2658.ER	545	05.2732.TK	539	05.2975.C5	68	05.3221.14.DA	150	05.3506.EQ.DA	763
05.2644.ES	542	05.2658.ER.NI	545	05.2733.14	539	05.2976.C5	68	05.3221.40	150	05.3506.EQ.NI	763
05.2644.ES.NI	542	05.2659.ES	545	05.2733.40	539	05.2977.C5	68	05.3221.40.1V	150	05.3506.ER	763
05.2645.14	543	05.2659.ES.NI	545	05.2733.ER	539	05.2978.C5	68	05.3221.40.DA	150	05.3506.ER.DA	763
05.2645.14.NI	543	05.2700.14	538	05.2734.ES	539	05.2980.C5	69	05.3221.EQ	150	05.3506.ER.NI	763
05.2645.40	543	05.2700.40	538	05.2740.14	538	05.2981.C5	69	05.3221.EQ.1V	150	05.3506.ES	763
05.2645.40.NI	543	05.2701.14	538	05.2740.40	538	05.2982.C5	69	05.3221.EQ.DA	150	05.3506.ES.DA	763
05.2646.14	543	05.2701.40	538	05.2741.14	538	05.2985.C5	69	05.3221.ER	150	05.3506.ES.NI	763
05.2646.14.NI	543	05.2701.EQ	538	05.2741.40	538	05.2986.C5	69	05.3221.ER.1V	150	05.3550.14	107
05.2646.40	543	05.2701.ER	538	05.2741.EQ	538	05.2987.C5	69	05.3221.ER.DA	150	05.3550.14	265
05.2646.40.NI	543	05.2701.ES	538	05.2741.ER	538	05.2990.C5	70	05.3221.ES	150	05.3550.14.1V	107
05.2646.EQ	543	05.2701.TK	538	05.2741.ES	538	05.2991.C5	71	05.3221.ES.1V	150	05.3550.14.1V	265
05.2646.EQ.NI	543	05.2702.14	538	05.2741.TK	538	05.2992.C5	70	05.3221.ES.DA	150	05.3550.14.CB	107
05.2646.ER	543	05.2702.40	538	05.2742.14	538	05.2993.C5	71	05.3230.14	151	05.3550.14.CB	265
05.2646.ER.NI	543	05.2702.EQ	538	05.2742.40	538	05.2994.C5	72	05.3230.14.1V	151	05.3550.14.DA	107
05.2646.ES	543	05.2702.TK	538	05.2742.EQ	538	05.2995.C5	73	05.3230.14.DA	151	05.3550.14.DA	265
05.2646.ES.NI	543	05.2703.14	538	05.2742.TK	538	05.2996.C5	72	05.3230.40	151	05.3550.40	107
05.2646.TK	543	05.2703.40	538	05.2743.14	538	05.2997.C5	73	05.3230.40.1V	151	05.3550.40	265
05.2646.TK.NI	543	05.2703.ER	538	05.2743.40	538	05.3200.14	150	05.3230.40.DA	151	05.3550.40.1V	107
05.2647.14	543	05.2704.ES	538	05.2743.ER	538	05.3200.14.1V	150	05.3230.EQ	151	05.3550.40.1V	265
05.2647.14.NI	543	05.2705.14	538	05.2744.ES	538	05.3200.14.DA	150	05.3230.EQ.1V	151	05.3550.40.CB	107
05.2647.40	543	05.2705.40	538	05.2745.14	538	05.3200.40	150	05.3230.EQ.DA	151	05.3550.40.CB	265
05.2647.40.NI	543	05.2706.14	538	05.2745.40	538	05.3200.40.1V	150	05.3230.ER	151	05.3550.40.DA	107
05.2647.EQ	543	05.2706.40	538	05.2746.14	538	05.3200.40.DA	150	05.3230.ER.1V	151	05.3550.40.DA	265
05.2647.EQ.NI	543	05.2706.EQ	538	05.2746.40	538	05.3200.EQ	150	05.3230.ER.DA	151	05.3551.14	107
05.2647.TK	543	05.2706.ER	538	05.2746.EQ	538	05.3200.EQ.1V	150	05.3230.ES	151	05.3551.14	265
05.2647.TK.NI	543	05.2706.ES	538	05.2746.ER	538	05.3200.EQ.DA	150	05.3230.ES.1V	151	05.3551.14.1V	107
05.2648.14	543	05.2706.TK	538	05.2746.ES	538	05.3200.ER	150	05.3230.ES.DA	151	05.3551.14.1V	265
05.2648.14.NI	543	05.2707.14	538	05.2746.TK	538	05.3200.ER.1V	150	05.3231.14	151	05.3551.14.CB	107
05.2648.40	543	05.2707.40	538	05.2747.14	538	05.3200.ER.DA	150	05.3231.14.1V	151	05.3551.14.CB	265
05.2648.40.NI	543	05.2707.EQ	538	05.2747.40	538	05.3200.ES	150	05.3231.14.DA	151	05.3551.14.DA	107
05.2648.ER	543	05.2707.TK	538	05.2747.EQ	538	05.3200.ES.1V	150	05.3231.40	151	05.3551.14.DA	265
05.2648.ER.NI	543	05.2708.14	538	05.2747.TK	538	05.3200.ES.DA	150	05.3231.40.1V	151	05.3551.40	107
05.2649.ES	543	05.2708.40	538	05.2748.14	538	05.3201.14	150	05.3231.40.DA	151	05.3551.40	265
05.2649.ES.NI	543	05.2708.ER	538	05.2748.40	538	05.3201.14.1V	150	05.3231.EQ	151	05.3551.40.1V	107
05.2650.14	544	05.2709.ES	538	05.2748.ER	538	05.3201.14.DA	150	05.3231.EQ.1V	151	05.3551.40.1V	265
05.2650.14.NI	544	05.2710.14	539	05.2749.ES	538	05.3201.40	150	05.3231.EQ.DA	151	05.3551.40.CB	107
05.2650.40	544	05.2710.40	539	05.2750.14	539	05.3201.40.1V	150	05.3231.ER	151	05.3551.40.CB	265
05.2650.40.NI	544	05.2711.14	539	05.2750.40	539	05.3201.40.DA	150	05.3231.ER.1V	151	05.3551.40.DA	107

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.3551.40.DA	265	05.3563.ES	36	05.4303.ZY.1V	331	05.4310.RY	332	05.4316.OW.CN	332	05.4322.GY.DA	335
05.3552.14	107	05.3563.ES.DA	36	05.4303.ZY.DA	331	05.4310.RY.1V	332	05.4316.OW.DA	332	05.4322.GY.NI	335
05.3552.14	265	05.3564.14	36	05.4303.ZY.NI	331	05.4310.RY.DA	332	05.4316.OW.NI	332	05.4322.OW	335
05.3552.14.1V	107	05.3564.14.DA	36	05.4305.GY	330	05.4310.RY.NI	332	05.4316.OW.RX	332	05.4322.OW.1V	335
05.3552.14.1V	265	05.3564.40	36	05.4305.GY.1V	330	05.4310.ZY	332	05.4316.OW.YU	332	05.4322.OW.78	335
05.3552.14.CB	107	05.3564.40.DA	36	05.4305.GY.DA	330	05.4310.ZY.1V	332	05.4316.RY	332	05.4322.OW.CN	335
05.3552.14.CB	265	05.3564.ER	36	05.4305.GY.NI	330	05.4310.ZY.DA	332	05.4316.RY.1V	332	05.4322.OW.DA	335
05.3552.14.DA	107	05.3564.ER.DA	36	05.4305.OW	330	05.4310.ZY.NI	332	05.4316.RY.DA	332	05.4322.OW.NI	335
05.3552.14.DA	265	05.3564.ES	36	05.4305.OW.1V	330	05.4311.GY	332	05.4316.RY.NI	332	05.4322.OW.RX	335
05.3552.40	107	05.3564.ES.DA	36	05.4305.OW.78	330	05.4311.GY.1V	332	05.4316.ZY	332	05.4322.OW.YU	335
05.3552.40	265	05.3565.14	36	05.4305.OW.CN	330	05.4311.GY.DA	332	05.4316.ZY.1V	332	05.4322.RY	335
05.3552.40.1V	107	05.3565.14.DA	36	05.4305.OW.DA	330	05.4311.GY.NI	332	05.4316.ZY.DA	332	05.4322.RY.1V	335
05.3552.40.1V	265	05.3565.40	36	05.4305.OW.NI	330	05.4311.OW	332	05.4316.ZY.NI	332	05.4322.RY.DA	335
05.3552.40.CB	107	05.3565.40.DA	36	05.4305.OW.RX	330	05.4311.OW.1V	332	05.4317.GY	333	05.4322.RY.NI	335
05.3552.40.CB	265	05.3565.ER	36	05.4305.OW.YU	330	05.4311.OW.78	332	05.4317.GY.1V	333	05.4322.ZY	335
05.3552.40.DA	107	05.3565.ER.DA	36	05.4305.RY	330	05.4311.OW.CN	332	05.4317.GY.DA	333	05.4322.ZY.1V	335
05.3552.40.DA	265	05.3565.ES	36	05.4305.RY.1V	330	05.4311.OW.DA	332	05.4317.GY.NI	333	05.4322.ZY.DA	335
05.3553.14	107	05.3565.ES.DA	36	05.4305.RY.DA	330	05.4311.OW.NI	332	05.4317.OW	333	05.4322.ZY.NI	335
05.3553.14	265	05.4300.GY	330	05.4305.RY.NI	330	05.4311.OW.RX	332	05.4317.OW.1V	333	05.4323.GY	335
05.3553.14.1V	107	05.4300.GY.1V	330	05.4305.ZY	330	05.4311.OW.YU	332	05.4317.OW.78	333	05.4323.GY.1V	335
05.3553.14.1V	265	05.4300.GY.DA	330	05.4305.ZY.1V	330	05.4311.RY	332	05.4317.OW.CN	333	05.4323.GY.DA	335
05.3553.14.CB	107	05.4300.GY.NI	330	05.4305.ZY.DA	330	05.4311.RY.1V	332	05.4317.OW.DA	333	05.4323.GY.NI	335
05.3553.14.CB	265	05.4300.OW	330	05.4305.ZY.NI	330	05.4311.RY.DA	332	05.4317.OW.NI	333	05.4323.OW	335
05.3553.14.DA	107	05.4300.OW.1V	330	05.4306.GY	330	05.4311.RY.NI	332	05.4317.OW.RX	333	05.4323.OW.1V	335
05.3553.14.DA	265	05.4300.OW.78	330	05.4306.GY.1V	330	05.4311.ZY	332	05.4317.OW.YU	333	05.4323.OW.78	335
05.3553.40	107	05.4300.OW.CN	330	05.4306.GY.DA	330	05.4311.ZY.1V	332	05.4317.RY	333	05.4323.OW.CN	335
05.3553.40	265	05.4300.OW.DA	330	05.4306.GY.NI	330	05.4311.ZY.DA	332	05.4317.RY.1V	333	05.4323.OW.DA	335
05.3553.40.1V	107	05.4300.OW.NI	330	05.4306.OW	330	05.4311.ZY.NI	332	05.4317.RY.DA	333	05.4323.OW.NI	335
05.3553.40.1V	265	05.4300.OW.RX	330	05.4306.OW.1V	330	05.4312.GY	333	05.4317.RY.NI	333	05.4323.OW.RX	335
05.3553.40.CB	107	05.4300.OW.YU	330	05.4306.OW.78	330	05.4312.GY.1V	333	05.4317.ZY	333	05.4323.OW.YU	335
05.3553.40.CB	265	05.4300.RY	330	05.4306.OW.CN	330	05.4312.GY.DA	333	05.4317.ZY.1V	333	05.4323.RY	335
05.3553.40.DA	107	05.4300.RY.1V	330	05.4306.OW.DA	330	05.4312.GY.NI	333	05.4317.ZY.DA	333	05.4323.RY.1V	335
05.3553.40.DA	265	05.4300.RY.DA	330	05.4306.OW.NI	330	05.4312.OW	333	05.4317.ZY.NI	333	05.4323.RY.DA	335
05.3554.14	107	05.4300.RY.NI	330	05.4306.OW.RX	330	05.4312.OW.1V	333	05.4318.GY	333	05.4323.RY.NI	335
05.3554.14	265	05.4300.ZY	330	05.4306.OW.YU	330	05.4312.OW.78	333	05.4318.GY.1V	333	05.4323.ZY	335
05.3554.14.1V	107	05.4300.ZY.1V	330	05.4306.RY	330	05.4312.OW.CN	333	05.4318.GY.DA	333	05.4323.ZY.1V	335
05.3554.14.1V	265	05.4300.ZY.DA	330	05.4306.RY.1V	330	05.4312.OW.DA	333	05.4318.GY.NI	333	05.4323.ZY.DA	335
05.3554.14.CB	107	05.4300.ZY.NI	330	05.4306.RY.DA	330	05.4312.OW.NI	333	05.4318.OW	333	05.4323.ZY.NI	335
05.3554.14.CB	265	05.4301.GY	330	05.4306.RY.NI	330	05.4312.OW.RX	333	05.4318.OW.1V	333	05.4325.GY	334
05.3554.14.DA	107	05.4301.GY.1V	330	05.4306.ZY	330	05.4312.OW.YU	333	05.4318.OW.78	333	05.4325.GY.1V	334
05.3554.14.DA	265	05.4301.GY.DA	330	05.4306.ZY.1V	330	05.4312.RY	333	05.4318.OW.CN	333	05.4325.GY.DA	334
05.3554.40	107	05.4301.GY.NI	330	05.4306.ZY.DA	330	05.4312.RY.1V	333	05.4318.OW.DA	333	05.4325.GY.NI	334
05.3554.40	265	05.4301.OW	330	05.4306.ZY.NI	330	05.4312.RY.DA	333	05.4318.OW.NI	333	05.4325.OW	334
05.3554.40.1V	107	05.4301.OW.1V	330	05.4307.GY	331	05.4312.RY.NI	333	05.4318.OW.RX	333	05.4325.OW.1V	334
05.3554.40.1V	265	05.4301.OW.78	330	05.4307.GY.1V	331	05.4312.ZY	333	05.4318.OW.YU	333	05.4325.OW.78	334
05.3554.40.CB	107	05.4301.OW.CN	330	05.4307.GY.DA	331	05.4312.ZY.1V	333	05.4318.RY	333	05.4325.OW.CN	334
05.3554.40.CB	265	05.4301.OW.DA	330	05.4307.GY.NI	331	05.4312.ZY.DA	333	05.4318.RY.1V	333	05.4325.OW.DA	334
05.3554.40.DA	107	05.4301.OW.NI	330	05.4307.OW	331	05.4312.ZY.NI	333	05.4318.RY.DA	333	05.4325.OW.NI	334
05.3554.40.DA	265	05.4301.OW.RX	330	05.4307.OW.1V	331	05.4313.GY	333	05.4318.RY.NI	333	05.4325.OW.RX	334
05.3555.14	107	05.4301.OW.YU	330	05.4307.OW.78	331	05.4313.GY.1V	333	05.4318.ZY	333	05.4325.OW.YU	334
05.3555.14	265	05.4301.RY	330	05.4307.OW.CN	331	05.4313.GY.DA	333	05.4318.ZY.1V	333	05.4325.RY	334
05.3555.14.1V	107	05.4301.RY.1V	330	05.4307.OW.DA	331	05.4313.GY.NI	333	05.4318.ZY.DA	333	05.4325.RY.1V	334
05.3555.14.1V	265	05.4301.RY.DA	330	05.4307.OW.NI	331	05.4313.OW	333	05.4318.ZY.NI	333	05.4325.RY.DA	334
05.3555.14.CB	107	05.4301.RY.NI	330	05.4307.OW.RX	331	05.4313.OW.1V	333	05.4320.GY	334	05.4325.RY.NI	334
05.3555.14.CB	265	05.4301.ZY	330	05.4307.OW.YU	331	05.4313.OW.78	333	05.4320.GY.1V	334	05.4325.ZY	334
05.3555.14.DA	107	05.4301.ZY.1V	330	05.4307.RY	331	05.4313.OW.CN	333	05.4320.GY.DA	334	05.4325.ZY.1V	334
05.3555.14.DA	265	05.4301.ZY.DA	330	05.4307.RY.1V	331	05.4313.OW.DA	333	05.4320.GY.NI	334	05.4325.ZY.DA	334
05.3555.40	107	05.4301.ZY.NI	330	05.4307.RY.DA	331	05.4313.OW.NI	333	05.4320.OW	334	05.4325.ZY.NI	334
05.3555.40	265	05.4302.GY	331	05.4307.RY.NI	331	05.4313.OW.RX	333	05.4320.OW.1V	334	05.4326.GY	334
05.3555.40.1V	107	05.4302.GY.1V	331	05.4307.ZY	331	05.4313.OW.YU	333	05.4320.OW.78	334	05.4326.GY.1V	334
05.3555.40.1V	265	05.4302.GY.DA	331	05.4307.ZY.1V	331	05.4313.RY	333	05.4320.OW.CN	334	05.4326.GY.DA	334
05.3555.40.CB	107	05.4302.GY.NI	331	05.4307.ZY.DA	331	05.4313.RY.1V	333	05.4320.OW.DA	334	05.4326.GY.NI	334
05.3555.40.CB	265	05.4302.OW	331	05.4307.ZY.NI	331	05.4313.RY.DA	333	05.4320.OW.NI	334	05.4326.OW	334
05.3555.40.DA	107	05.4302.OW.1V	331	05.4308.GY	331	05.4313.RY.NI	333	05.4320.OW.RX	334	05.4326.OW.1V	334
05.3555.40.DA	265	05.4302.OW.78	331	05.4308.GY.1V	331	05.4313.ZY	333	05.4320.OW.YU	334	05.4326.OW.78	334
05.3560.14	36	05.4302.OW.CN	331	05.4308.GY.DA	331	05.4313.ZY.1V	333	05.4320.RY	334	05.4326.OW.CN	334
05.3560.14.DA	36	05.4302.OW.DA	331	05.4308.GY.NI	331	05.4313.ZY.DA	333	05.4320.RY.1V	334	05.4326.OW.DA	334
05.3560.40	36	05.4302.OW.NI	331	05.4308.OW	331	05.4313.ZY.NI	333	05.4320.RY.DA	334	05.4326.OW.NI	334
05.3560.40.DA	36	05.4302.OW.RX	331	05.4308.OW.1V	331	05.4315.GY	332	05.4320.RY.NI	334	05.4326.OW.RX	334
05.3560.ER	36	05.4302.OW.YU	331	05.4308.OW.78	331	05.4315.GY.1V	332	05.4320.ZY	334	05.4326.OW.YU	334
05.3560.ER.DA	36	05.4302.RY	331	05.4308.OW.CN	331	05.4315.GY.DA	332	05.4320.ZY.1V	334	05.4326.RY	334
05.3560.ES	36	05.4302.RY.1V	331	05.4308.OW.DA	331	05.4315.GY.NI	332	05.4320.ZY.DA	334	05.4326.RY.1V	334
05.3560.ES.DA	36	05.4302.RY.DA	331	05.4308.OW.NI	331	05.4315.OW	332	05.4320.ZY.NI	334	05.4326.RY.DA	334
05.3561.14	36	05.4302.RY.NI	331	05.4308.OW.RX	331	05.4315.OW.1V	332	05.4321.GY	334	05.4326.RY.NI	334
05.3561.14.DA	36	05.4302.ZY	331	05.4308.OW.YU	331	05.4315.OW.78	332	05.4321.GY.1V	334	05.4326.ZY	334
05.3561.40	36	05.4302.ZY.1V	331	05.4308.RY	331	05.4315.OW.CN	332	05.4321.GY.DA	334	05.4326.ZY.1V	334
05.3561.40.DA	36	05.4302.ZY.DA	331	05.4308.RY.1V	331	05.4315.OW.DA	332	05.4321.GY.NI	334	05.4326.ZY.DA	334
05.3561.ER	36	05.4302.ZY.NI	331	05.4308.RY.DA	331	05.4315.OW.NI	332	05.4321.OW	334	05.4326.ZY.NI	334
05.3561.ER.DA	36	05.4303.GY	331	05.4308.RY.NI	331	05.4315.OW.RX	332	05.4321.OW.1V	334	05.4327.GY	335
05.3561.ES	36	05.4303.GY.1V	331	05.4308.ZY	331	05.4315.OW.YU	332	05.4321.OW.78	334	05.4327.GY.1V	335
05.3561.ES.DA	36	05.4303.GY.DA	331	05.4308.ZY.1V	331	05.4315.RY	332	05.4321.OW.CN	334	05.4327.GY.DA	335
05.3562.14	36	05.4303.GY.NI	331	05.4308.ZY.DA	331	05.4315.RY.1V	332	05.4321.OW.DA	334	05.4327.GY.NI	335
05.3562.14.DA	36	05.4303.OW	331	05.4308.ZY.NI	331	05.4315.RY.DA	332	05.4321.OW.NI	334	05.4327.OW	335
05.3562.40	36	05.4303.OW.1V	331	05.4310.GY	332	05.4315.RY.NI	332	05.4321.OW.RX	334	05.4327.OW.1V	335
05.3562.40.DA	36	05.4303.OW.78	331	05.4310.GY.1V	332	05.4315.ZY	332	05.4321.OW.YU	334	05.4327.OW.78	335
05.3562.ER	36	05.4303.OW.CN	331	05.4310.GY.DA	332	05.4315.ZY.1V	332	05.4321.RY	334	05.4327.OW.CN	335
05.3562.ER.DA	36	05.4303.OW.DA	331	05.4310.GY.NI	332	05.4315.ZY.DA	332	05.4321.RY.1V	334	05.4327.OW.DA	335
05.3562.ES	36	05.4303.OW.NI	331	05.4310.OW	332	05.4315.ZY.NI	332	05.4321.RY.DA	334	05.4327.OW.NI	335
05.3562.ES.DA	36	05.4303.OW.RX	331	05.4310.OW.1V	332	05.4316.GY	332	05.4321.RY.NI	334	05.4327.OW.RX	335
05.3563.14	36	05.4303.OW.YU	331	05.4310.OW.78	332	05.4316.GY.1V	332	05.4321.ZY	334	05.4327.OW.YU	335
05.3563.14.DA	36	05.4303.RY	331	05.4310.OW.CN	332	05.4316.GY.DA	332	05.4321.ZY.1V	334	05.4327.RY	335
05.3563.40	36	05.4303.RY.1V	331	05.4310.OW.DA	332	05.4316.GY.NI	332	05.4321.ZY.DA	334	05.4327.RY.1V	335
05.3563.40.DA	36	05.4303.RY.DA	331	05.4310.OW.NI	332	05.4316.OW	332	05.4321.ZY.NI	334	05.4327.RY.DA	335
05.3563.ER	36	05.4303.RY.NI	331	05.4310.OW.RX	332	05.4316.OW.1V	332	05.4322.GY	335	05.4327.RY.NI	335
05.3563.ER.DA	36	05.4303.ZY	331	05.4310.OW.YU	332	05.4316.OW.78	332	05.4322.GY.1V	335	05.4327.ZY	335

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05.4327.ZY.DA	335	05.4335.RY.1V	336	05.4342.OW.DA	339	05.4351.GY.NI	340	05.4357.ZY.DA	341	05.4513.14.DA	28
05.4327.ZY.NI	335	05.4335.RY.DA	336	05.4342.OW.NI	339	05.4351.OW	340	05.4357.ZY.NI	341	05.4513.40.CB	28
05.4328.GY	335	05.4335.RY.NI	336	05.4342.OW.RX	339	05.4351.OW.1V	340	05.4380.GY	342	05.4513.40.DA	28
05.4328.GY.1V	335	05.4335.ZY	336	05.4342.OW.YU	339	05.4351.OW.78	340	05.4380.OW	342	05.4513.ER.CB	28
05.4328.GY.DA	335	05.4335.ZY.1V	336	05.4342.RY	339	05.4351.OW.CN	340	05.4380.OW.78	342	05.4513.ER.DA	28
05.4328.GY.NI	335	05.4335.ZY.DA	336	05.4342.RY.1V	339	05.4351.OW.DA	340	05.4380.RY	342	05.4513.ES.CB	28
05.4328.OW	335	05.4335.ZY.NI	336	05.4342.RY.DA	339	05.4351.OW.NI	340	05.4380.ZY	342	05.4513.ES.DA	28
05.4328.OW.1V	335	05.4336.GY	336	05.4342.RY.NI	339	05.4351.OW.RX	340	05.4381.GY	342	05.4514.14.CB	28
05.4328.OW.78	335	05.4336.GY.1V	336	05.4342.ZY	339	05.4351.OW.YU	340	05.4381.OW	342	05.4514.14.DA	28
05.4328.OW.CN	335	05.4336.GY.DA	336	05.4342.ZY.1V	339	05.4351.RY	340	05.4381.OW.78	342	05.4514.40.CB	28
05.4328.OW.DA	335	05.4336.GY.NI	336	05.4342.ZY.DA	339	05.4351.RY.1V	340	05.4381.RY	342	05.4514.40.DA	28
05.4328.OW.NI	335	05.4336.OW	336	05.4342.ZY.NI	339	05.4351.RY.DA	340	05.4381.ZY	342	05.4514.ER.CB	28
05.4328.OW.RX	335	05.4336.OW.1V	336	05.4345.GY	338	05.4351.RY.NI	340	05.4385.GY	342	05.4514.ER.DA	28
05.4328.OW.YU	335	05.4336.OW.78	336	05.4345.GY.1V	338	05.4351.ZY	340	05.4385.OW	342	05.4514.ES.CB	28
05.4328.RY	335	05.4336.OW.CN	336	05.4345.GY.DA	338	05.4351.ZY.1V	340	05.4385.OW.78	342	05.4514.ES.DA	28
05.4328.RY.1V	335	05.4336.OW.DA	336	05.4345.GY.NI	338	05.4351.ZY.DA	340	05.4385.RY	342	05.4515.14.CB	28
05.4328.RY.DA	335	05.4336.OW.NI	336	05.4345.OW	338	05.4351.ZY.NI	340	05.4385.ZY	342	05.4515.14.DA	28
05.4328.RY.NI	335	05.4336.OW.RX	336	05.4345.OW.1V	338	05.4352.GY	341	05.4386.GY	342	05.4515.40.CB	28
05.4328.ZY	335	05.4336.OW.YU	336	05.4345.OW.78	338	05.4352.GY.1V	341	05.4386.OW	342	05.4515.40.DA	28
05.4328.ZY.1V	335	05.4336.RY	336	05.4345.OW.CN	338	05.4352.GY.DA	341	05.4386.OW.78	342	05.4515.ER.CB	28
05.4328.ZY.DA	335	05.4336.RY.1V	336	05.4345.OW.DA	338	05.4352.GY.NI	341	05.4386.RY	342	05.4515.ER.DA	28
05.4328.ZY.NI	335	05.4336.RY.DA	336	05.4345.OW.NI	338	05.4352.OW	341	05.4386.ZY	342	05.4515.ES.CB	28
05.4330.GY	336	05.4336.RY.NI	336	05.4345.OW.RX	338	05.4352.OW.1V	341	05.4500.14.CB	18	05.4515.ES.DA	28
05.4330.GY.1V	336	05.4336.ZY	336	05.4345.OW.YU	338	05.4352.OW.78	341	05.4500.14.DA	18	05.4520.14.CB	23
05.4330.GY.DA	336	05.4336.ZY.1V	336	05.4345.RY	338	05.4352.OW.CN	341	05.4500.40.CB	18	05.4520.14.DA	23
05.4330.GY.NI	336	05.4336.ZY.DA	336	05.4345.RY.1V	338	05.4352.OW.DA	341	05.4500.40.DA	18	05.4520.40.CB	23
05.4330.OW	336	05.4336.ZY.NI	336	05.4345.RY.DA	338	05.4352.OW.NI	341	05.4500.ER.CB	18	05.4520.40.DA	23
05.4330.OW.1V	336	05.4337.GY	337	05.4345.RY.NI	338	05.4352.OW.RX	341	05.4500.ER.DA	18	05.4520.ER.CB	23
05.4330.OW.78	336	05.4337.GY.1V	337	05.4345.ZY	338	05.4352.OW.YU	341	05.4500.ES.CB	18	05.4520.ER.DA	23
05.4330.OW.CN	336	05.4337.GY.DA	337	05.4345.ZY.1V	338	05.4352.RY	341	05.4500.ES.DA	18	05.4520.ES.CB	23
05.4330.OW.DA	336	05.4337.GY.NI	337	05.4345.ZY.DA	338	05.4352.RY.1V	341	05.4501.14.CB	18	05.4520.ES.DA	23
05.4330.OW.NI	336	05.4337.OW	337	05.4345.ZY.NI	338	05.4352.RY.DA	341	05.4501.14.DA	18	05.4521.14.CB	23
05.4330.OW.RX	336	05.4337.OW.1V	337	05.4346.GY	338	05.4352.RY.NI	341	05.4501.40.CB	18	05.4521.14.DA	23
05.4330.OW.YU	336	05.4337.OW.78	337	05.4346.GY.1V	338	05.4352.ZY	341	05.4501.40.DA	18	05.4521.40.CB	23
05.4330.RY	336	05.4337.OW.CN	337	05.4346.GY.DA	338	05.4352.ZY.1V	341	05.4501.ER.CB	18	05.4521.40.DA	23
05.4330.RY.1V	336	05.4337.OW.DA	337	05.4346.GY.NI	338	05.4352.ZY.DA	341	05.4501.ER.DA	18	05.4521.ER.CB	23
05.4330.RY.DA	336	05.4337.OW.NI	337	05.4346.OW	338	05.4352.ZY.NI	341	05.4501.ES.CB	18	05.4521.ER.DA	23
05.4330.RY.NI	336	05.4337.OW.RX	337	05.4346.OW.1V	338	05.4355.GY	340	05.4501.ES.DA	18	05.4521.ES.CB	23
05.4330.ZY	336	05.4337.OW.YU	337	05.4346.OW.78	338	05.4355.GY.1V	340	05.4502.14.CB	18	05.4521.ES.DA	23
05.4330.ZY.1V	336	05.4337.RY	337	05.4346.OW.CN	338	05.4355.GY.DA	340	05.4502.14.DA	18	05.4522.14.CB	23
05.4330.ZY.DA	336	05.4337.RY.1V	337	05.4346.OW.DA	338	05.4355.GY.NI	340	05.4502.40.CB	18	05.4522.14.DA	23
05.4330.ZY.NI	336	05.4337.RY.DA	337	05.4346.OW.NI	338	05.4355.OW	340	05.4502.40.DA	18	05.4522.40.CB	23
05.4331.GY	336	05.4337.RY.NI	337	05.4346.OW.RX	338	05.4355.OW.1V	340	05.4502.ER.CB	18	05.4522.40.DA	23
05.4331.GY.1V	336	05.4337.ZY	337	05.4346.OW.YU	338	05.4355.OW.78	340	05.4502.ER.DA	18	05.4522.ER.CB	23
05.4331.GY.DA	336	05.4337.ZY.1V	337	05.4346.RY	338	05.4355.OW.CN	340	05.4502.ES.CB	18	05.4522.ER.DA	23
05.4331.GY.NI	336	05.4337.ZY.DA	337	05.4346.RY.1V	338	05.4355.OW.DA	340	05.4502.ES.DA	18	05.4522.ES.CB	23
05.4331.OW	336	05.4337.ZY.NI	337	05.4346.RY.DA	338	05.4355.OW.NI	340	05.4503.14.CB	18	05.4522.ES.DA	23
05.4331.OW.1V	336	05.4340.GY	338	05.4346.RY.NI	338	05.4355.OW.RX	340	05.4503.14.DA	18	05.4523.14.CB	23
05.4331.OW.78	336	05.4340.GY.1V	338	05.4346.ZY	338	05.4355.OW.YU	340	05.4503.40.CB	18	05.4523.14.DA	23
05.4331.OW.CN	336	05.4340.GY.DA	338	05.4346.ZY.1V	338	05.4355.RY	340	05.4503.40.DA	18	05.4523.40.CB	23
05.4331.OW.DA	336	05.4340.GY.NI	338	05.4346.ZY.DA	338	05.4355.RY.1V	340	05.4503.ER.CB	18	05.4523.40.DA	23
05.4331.OW.NI	336	05.4340.OW	338	05.4346.ZY.NI	338	05.4355.RY.DA	340	05.4503.ER.DA	18	05.4523.ER.CB	23
05.4331.OW.RX	336	05.4340.OW.1V	338	05.4347.GY	339	05.4355.RY.NI	340	05.4503.ES.CB	18	05.4523.ER.DA	23
05.4331.OW.YU	336	05.4340.OW.78	338	05.4347.GY.1V	339	05.4355.ZY	340	05.4503.ES.DA	18	05.4523.ES.CB	23
05.4331.RY	336	05.4340.OW.CN	338	05.4347.GY.DA	339	05.4355.ZY.1V	340	05.4504.14.CB	18	05.4523.ES.DA	23
05.4331.RY.1V	336	05.4340.OW.DA	338	05.4347.GY.NI	339	05.4355.ZY.DA	340	05.4504.14.DA	18	05.4524.14.CB	23
05.4331.RY.DA	336	05.4340.OW.NI	338	05.4347.OW	339	05.4355.ZY.NI	340	05.4504.40.CB	18	05.4524.14.DA	23
05.4331.RY.NI	336	05.4340.OW.RX	338	05.4347.OW.1V	339	05.4356.GY	340	05.4504.40.DA	18	05.4524.40.CB	23
05.4331.ZY	336	05.4340.OW.YU	338	05.4347.OW.78	339	05.4356.GY.1V	340	05.4504.ER.CB	18	05.4524.40.DA	23
05.4331.ZY.1V	336	05.4340.RY	338	05.4347.OW.CN	339	05.4356.GY.DA	340	05.4504.ER.DA	18	05.4524.ER.CB	23
05.4331.ZY.DA	336	05.4340.RY.1V	338	05.4347.OW.DA	339	05.4356.GY.NI	340	05.4504.ES.CB	18	05.4524.ER.DA	23
05.4331.ZY.NI	336	05.4340.RY.DA	338	05.4347.OW.NI	339	05.4356.OW	340	05.4504.ES.DA	18	05.4524.ES.CB	23
05.4332.GY	337	05.4340.RY.NI	338	05.4347.OW.RX	339	05.4356.OW.1V	340	05.4505.14.CB	18	05.4524.ES.DA	23
05.4332.GY.1V	337	05.4340.ZY	338	05.4347.OW.YU	339	05.4356.OW.78	340	05.4505.14.DA	18	05.4525.14.CB	23
05.4332.GY.DA	337	05.4340.ZY.1V	338	05.4347.RY	339	05.4356.OW.CN	340	05.4505.40.CB	18	05.4525.14.DA	23
05.4332.GY.NI	337	05.4340.ZY.DA	338	05.4347.RY.1V	339	05.4356.OW.DA	340	05.4505.40.DA	18	05.4525.40.CB	23
05.4332.OW	337	05.4340.ZY.NI	338	05.4347.RY.DA	339	05.4356.OW.NI	340	05.4505.ER.CB	18	05.4525.40.DA	23
05.4332.OW.1V	337	05.4341.GY	338	05.4347.RY.NI	339	05.4356.OW.RX	340	05.4505.ER.DA	18	05.4525.ER.CB	23
05.4332.OW.78	337	05.4341.GY.1V	338	05.4347.ZY	339	05.4356.OW.YU	340	05.4505.ES.CB	18	05.4525.ER.DA	23
05.4332.OW.CN	337	05.4341.GY.DA	338	05.4347.ZY.1V	339	05.4356.RY	340	05.4505.ES.DA	18	05.4525.ES.CB	23
05.4332.OW.DA	337	05.4341.GY.NI	338	05.4347.ZY.DA	339	05.4356.RY.1V	340	05.4510.14.CB	28	05.4525.ES.DA	23
05.4332.OW.NI	337	05.4341.OW	338	05.4347.ZY.NI	339	05.4356.RY.DA	340	05.4510.14.DA	28	05.4530.14.CB	32
05.4332.OW.RX	337	05.4341.OW.1V	338	05.4350.GY	340	05.4356.RY.NI	340	05.4510.40.CB	28	05.4530.14.DA	32
05.4332.OW.YU	337	05.4341.OW.78	338	05.4350.GY.1V	340	05.4356.ZY	340	05.4510.40.DA	28	05.4530.40.CB	32
05.4332.RY	337	05.4341.OW.CN	338	05.4350.GY.DA	340	05.4356.ZY.1V	340	05.4510.ER.CB	28	05.4530.40.DA	32
05.4332.RY.1V	337	05.4341.OW.DA	338	05.4350.GY.NI	340	05.4356.ZY.DA	340	05.4510.ER.DA	28	05.4530.ER.CB	32
05.4332.RY.DA	337	05.4341.OW.NI	338	05.4350.OW	340	05.4356.ZY.NI	340	05.4510.ES.CB	28	05.4530.ER.DA	32
05.4332.RY.NI	337	05.4341.OW.RX	338	05.4350.OW.1V	340	05.4357.GY	341	05.4510.ES.DA	28	05.4530.ES.CB	32
05.4332.ZY	337	05.4341.OW.YU	338	05.4350.OW.78	340	05.4357.GY.1V	341	05.4511.14.CB	28	05.4530.ES.DA	32
05.4332.ZY.1V	337	05.4341.RY	338	05.4350.OW.CN	340	05.4357.GY.DA	341	05.4511.14.DA	28	05.4531.14.CB	32
05.4332.ZY.DA	337	05.4341.RY.1V	338	05.4350.OW.DA	340	05.4357.GY.NI	341	05.4511.40.CB	28	05.4531.14.DA	32
05.4332.ZY.NI	337	05.4341.RY.DA	338	05.4350.OW.NI	340	05.4357.OW	341	05.4511.40.DA	28	05.4531.40.CB	32
05.4335.GY	336	05.4341.RY.NI	338	05.4350.OW.RX	340	05.4357.OW.1V	341	05.4511.ER.CB	28	05.4531.40.DA	32
05.4335.GY.1V	336	05.4341.ZY	338	05.4350.OW.YU	340	05.4357.OW.78	341	05.4511.ER.DA	28	05.4531.ER.CB	32
05.4335.GY.DA	336	05.4341.ZY.1V	338	05.4350.RY	340	05.4357.OW.CN	341	05.4511.ES.CB	28	05.4531.ER.DA	32
05.4335.GY.NI	336	05.4341.ZY.DA	338	05.4350.RY.1V	340	05.4357.OW.DA	341	05.4511.ES.DA	28	05.4531.ES.CB	32
05.4335.OW	336	05.4341.ZY.NI	338	05.4350.RY.DA	340	05.4357.OW.NI	341	05.4512.14.CB	28	05.4531.ES.DA	32
05.4335.OW.1V	336	05.4342.GY	339	05.4350.RY.NI	340	05.4357.OW.RX	341	05.4512.14.DA	28	05.4532.14.CB	32
05.4335.OW.78	336	05.4342.GY.1V	339	05.4350.ZY	340	05.4357.OW.YU	341	05.4512.40.CB	28	05.4532.14.DA	32
05.4335.OW.CN	336	05.4342.GY.DA	339	05.4350.ZY.1V	340	05.4357.RY	341	05.4512.40.DA	28	05.4532.40.CB	32
05.4335.OW.DA	336	05.4342.GY.NI	339	05.4350.ZY.DA	340	05.4357.RY.1V	341	05.4512.ER.CB	28	05.4532.40.DA	32
05.4335.OW.NI	336	05.4342.OW	339	05.4350.ZY.NI	340	05.4357.RY.DA	341	05.4512.ER.DA	28	05.4532.ER.CB	32
05.4335.OW.RX	336	05.4342.OW.1V	339	05.4351.GY	340	05.4357.RY.NI	341	05.4512.ES.CB	28	05.4532.ER.DA	32
05.4335.OW.YU	336	05.4342.OW.78	339	05.4351.GY.1V	340	05.4357.ZY	341	05.4512.ES.DA	28	05.4532.ES.CB	32

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05.5311.EQ.DA	139	05.5320.40.CB	140	05.5327.14.1V	141	05.5335.ES	142	05.5416.40	711	05.5451.ER.DA	714
05.5311.ER	139	05.5320.40.DA	140	05.5327.14.CB	141	05.5335.ES.1V	142	05.5416.EQ	711	05.5451.ES	714
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05.5312.40.DA	139	05.5321.14.CB	141	05.5327.ES.1V	141	05.5336.ER	143	05.5421.EQ	712	05.5452.ES	715
05.5312.EQ	139	05.5321.14.DA	141	05.5327.ES.CB	141	05.5336.ER.1V	143	05.5421.ER	712	05.5452.ES.CB	715
05.5312.EQ.1V	139	05.5321.40	141	05.5327.ES.DA	141	05.5336.ER.CB	143	05.5421.ES	712	05.5452.ES.DA	715
05.5312.EQ.CB	139	05.5321.40.1V	141	05.5330.14	142	05.5336.ER.DA	143	05.5422.14	712	05.5455.14	714
05.5312.EQ.DA	139	05.5321.40.CB	141	05.5330.14.1V	142	05.5336.ES	143	05.5422.40	712	05.5455.14.CB	714
05.5312.ER	139	05.5321.40.DA	141	05.5330.14.CB	142	05.5336.ES.1V	143	05.5422.EQ	712	05.5455.14.DA	714
05.5312.ER.1V	139	05.5321.EQ	141	05.5330.14.DA	142	05.5336.ES.CB	143	05.5422.ER	712	05.5455.40	714
05.5312.ER.CB	139	05.5321.EQ.1V	141	05.5330.40	142	05.5336.ES.DA	143	05.5422.ES	712	05.5455.40.CB	714
05.5312.ER.DA	139	05.5321.EQ.CB	141	05.5330.40.1V	142	05.5337.14	143	05.5425.14	712	05.5455.40.DA	714
05.5312.ES	139	05.5321.EQ.DA	141	05.5330.40.CB	142	05.5337.14.1V	143	05.5425.40	712	05.5455.EQ	714
05.5312.ES.1V	139	05.5321.ER	141	05.5330.40.DA	142	05.5337.14.CB	143	05.5425.EQ	712	05.5455.EQ.CB	714

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05.5455.EQ.DA	714	05.5465.ES.CB	716	05.5476.40	718	05.5486.EQ.DA	720	05.5760.14.CB	367	05.5781.40.DA	279
05.5455.ER	714	05.5465.ES.DA	716	05.5476.40.CB	718	05.5486.ER	720	05.5760.14.DA	367	05.5781.40.DA	371
05.5455.ER.CB	714	05.5466.14	716	05.5476.40.DA	718	05.5486.ER.CB	720	05.5760.40	367	05.5781.40.YU	279
05.5455.ER.DA	714	05.5466.14.CB	716	05.5476.EQ	718	05.5486.ER.DA	720	05.5760.40.78	367	05.5781.40.YU	371
05.5455.ES	714	05.5466.14.DA	716	05.5476.EQ.CB	718	05.5486.ES	720	05.5760.40.C6	367	05.5781.AP	279
05.5455.ES.CB	714	05.5466.40	716	05.5476.EQ.DA	718	05.5486.ES.CB	720	05.5760.40.CB	367	05.5781.AP	371
05.5455.ES.DA	714	05.5466.40.CB	716	05.5476.ER	718	05.5486.ES.DA	720	05.5760.40.DA	367	05.5781.AP.DA	279
05.5456.14	714	05.5466.40.DA	716	05.5476.ER.CB	718	05.5487.14	721	05.5760.40.YU	367	05.5781.AP.DA	371
05.5456.14.CB	714	05.5466.EQ	716	05.5476.ER.DA	718	05.5487.14.CB	721	05.5760.AP	367	05.5782.14	279
05.5456.14.DA	714	05.5466.EQ.CB	716	05.5476.ES	718	05.5487.14.DA	721	05.5760.AP.CB	367	05.5782.14	371
05.5456.40	714	05.5466.EQ.DA	716	05.5476.ES.CB	718	05.5487.40	721	05.5760.AP.DA	367	05.5782.14.DA	279
05.5456.40.CB	714	05.5466.ER	716	05.5476.ES.DA	718	05.5487.40.CB	721	05.5761.14	367	05.5782.14.DA	371
05.5456.40.DA	714	05.5466.ER.CB	716	05.5477.14	719	05.5487.40.DA	721	05.5761.14.CB	367	05.5782.40	279
05.5456.EQ	714	05.5466.ER.DA	716	05.5477.14.CB	719	05.5487.EQ	721	05.5761.14.DA	367	05.5782.40	371
05.5456.EQ.CB	714	05.5466.ES	716	05.5477.14.DA	719	05.5487.EQ.CB	721	05.5761.40	367	05.5782.40.78	279
05.5456.EQ.DA	714	05.5466.ES.CB	716	05.5477.40	719	05.5487.EQ.DA	721	05.5761.40.78	367	05.5782.40.78	371
05.5456.ER	714	05.5466.ES.DA	716	05.5477.40.CB	719	05.5487.ER	721	05.5761.40.C6	367	05.5782.40.DA	279
05.5456.ER.CB	714	05.5467.14	717	05.5477.40.DA	719	05.5487.ER.CB	721	05.5761.40.CB	367	05.5782.40.DA	371
05.5456.ER.DA	714	05.5467.14.CB	717	05.5477.EQ	719	05.5487.ER.DA	721	05.5761.40.DA	367	05.5782.40.YU	279
05.5456.ES	714	05.5467.14.DA	717	05.5477.EQ.CB	719	05.5487.ES	721	05.5761.40.YU	367	05.5782.40.YU	371
05.5456.ES.CB	714	05.5467.40	717	05.5477.EQ.DA	719	05.5487.ES.CB	721	05.5761.AP	367	05.5782.AP	279
05.5456.ES.DA	714	05.5467.40.CB	717	05.5477.ER	719	05.5487.ES.DA	721	05.5761.AP.CB	367	05.5782.AP	371
05.5457.14	715	05.5467.40.DA	717	05.5477.ER.CB	719	05.5740.14	363	05.5761.AP.DA	367	05.5782.AP.DA	279
05.5457.14.CB	715	05.5467.EQ	717	05.5477.ER.DA	719	05.5740.14.CB	363	05.5762.14	367	05.5782.AP.DA	371
05.5457.14.DA	715	05.5467.EQ.CB	717	05.5477.ES	719	05.5740.14.DA	363	05.5762.14.CB	367	05.5790.14	281
05.5457.40	715	05.5467.EQ.DA	717	05.5477.ES.CB	719	05.5740.40	363	05.5762.14.DA	367	05.5790.14	373
05.5457.40.CB	715	05.5467.ER	717	05.5477.ES.DA	719	05.5740.40.78	363	05.5762.40	367	05.5790.14.DA	281
05.5457.40.DA	715	05.5467.ER.CB	717	05.5480.14	720	05.5740.40.C6	363	05.5762.40.78	367	05.5790.14.DA	373
05.5457.EQ	715	05.5467.ER.DA	717	05.5480.14.CB	720	05.5740.40.CB	363	05.5762.40.C6	367	05.5790.40	281
05.5457.EQ.CB	715	05.5467.ES	717	05.5480.14.DA	720	05.5740.40.DA	363	05.5762.40.CB	367	05.5790.40	373
05.5457.EQ.DA	715	05.5467.ES.CB	717	05.5480.40	720	05.5740.40.YU	363	05.5762.40.DA	367	05.5790.40.78	281
05.5457.ER	715	05.5467.ES.DA	717	05.5480.40.CB	720	05.5740.AP	363	05.5762.40.YU	367	05.5790.40.78	373
05.5457.ER.CB	715	05.5470.14	718	05.5480.40.DA	720	05.5740.AP.CB	363	05.5762.AP	367	05.5790.40.DA	281
05.5457.ER.DA	715	05.5470.14.CB	718	05.5480.EQ	720	05.5740.AP.DA	363	05.5762.AP.CB	367	05.5790.40.DA	373
05.5457.ES	715	05.5470.14.DA	718	05.5480.EQ.CB	720	05.5741.14	363	05.5762.AP.DA	367	05.5790.40.YU	281
05.5457.ES.CB	715	05.5470.40	718	05.5480.EQ.DA	720	05.5741.14.CB	363	05.5770.14	369	05.5790.40.YU	373
05.5457.ES.DA	715	05.5470.40.CB	718	05.5480.ER	720	05.5741.14.DA	363	05.5770.14.CB	369	05.5790.AP	281
05.5460.14	716	05.5470.40.DA	718	05.5480.ER.CB	720	05.5741.40	363	05.5770.14.DA	369	05.5790.AP	373
05.5460.14.CB	716	05.5470.EQ	718	05.5480.ER.DA	720	05.5741.40.78	363	05.5770.40	369	05.5790.AP.DA	281
05.5460.14.DA	716	05.5470.EQ.CB	718	05.5480.ES	720	05.5741.40.C6	363	05.5770.40.78	369	05.5790.AP.DA	373
05.5460.40	716	05.5470.EQ.DA	718	05.5480.ES.CB	720	05.5741.40.CB	363	05.5770.40.C6	369	05.5791.14	281
05.5460.40.CB	716	05.5470.ER	718	05.5480.ES.DA	720	05.5741.40.DA	363	05.5770.40.CB	369	05.5791.14	373
05.5460.40.DA	716	05.5470.ER.CB	718	05.5481.14	720	05.5741.40.YU	363	05.5770.40.DA	369	05.5791.14.DA	281
05.5460.EQ	716	05.5470.ER.DA	718	05.5481.14.CB	720	05.5741.AP	363	05.5770.40.YU	369	05.5791.14.DA	373
05.5460.EQ.CB	716	05.5470.ES	718	05.5481.14.DA	720	05.5741.AP.CB	363	05.5770.AP	369	05.5791.40	281
05.5460.EQ.DA	716	05.5470.ES.CB	718	05.5481.40	720	05.5741.AP.DA	363	05.5770.AP.CB	369	05.5791.40	373
05.5460.ER	716	05.5470.ES.DA	718	05.5481.40.CB	720	05.5742.14	363	05.5770.AP.DA	369	05.5791.40.78	281
05.5460.ER.CB	716	05.5471.14	718	05.5481.40.DA	720	05.5742.14.CB	363	05.5771.14	369	05.5791.40.78	373
05.5460.ER.DA	716	05.5471.14.CB	718	05.5481.EQ	720	05.5742.14.DA	363	05.5771.14.CB	369	05.5791.40.DA	281
05.5460.ES	716	05.5471.14.DA	718	05.5481.EQ.CB	720	05.5742.40	363	05.5771.14.DA	369	05.5791.40.DA	373
05.5460.ES.CB	716	05.5471.40	718	05.5481.EQ.DA	720	05.5742.40.78	363	05.5771.40	369	05.5791.40.YU	281
05.5460.ES.DA	716	05.5471.40.CB	718	05.5481.ER	720	05.5742.40.C6	363	05.5771.40.78	369	05.5791.40.YU	373
05.5461.14	716	05.5471.40.DA	718	05.5481.ER.CB	720	05.5742.40.CB	363	05.5771.40.C6	369	05.5791.AP	281
05.5461.14.CB	716	05.5471.EQ	718	05.5481.ER.DA	720	05.5742.40.DA	363	05.5771.40.CB	369	05.5791.AP	373
05.5461.14.DA	716	05.5471.EQ.CB	718	05.5481.ES	720	05.5742.40.YU	363	05.5771.40.DA	369	05.5791.AP.DA	281
05.5461.40	716	05.5471.EQ.DA	718	05.5481.ES.CB	720	05.5742.AP	363	05.5771.40.YU	369	05.5791.AP.DA	373
05.5461.40.CB	716	05.5471.ER	718	05.5481.ES.DA	720	05.5742.AP.CB	363	05.5771.AP	369	05.5792.14	281
05.5461.40.DA	716	05.5471.ER.CB	718	05.5482.14	721	05.5742.AP.DA	363	05.5771.AP.CB	369	05.5792.14	373
05.5461.EQ	716	05.5471.ER.DA	718	05.5482.14.CB	721	05.5750.14	365	05.5771.AP.DA	369	05.5792.14.DA	281
05.5461.EQ.CB	716	05.5471.ES	718	05.5482.14.DA	721	05.5750.14.CB	365	05.5772.14	369	05.5792.14.DA	373
05.5461.EQ.DA	716	05.5471.ES.CB	718	05.5482.40	721	05.5750.14.DA	365	05.5772.14.CB	369	05.5792.40	281
05.5461.ER	716	05.5471.ES.DA	718	05.5482.40.CB	721	05.5750.40	365	05.5772.14.DA	369	05.5792.40	373
05.5461.ER.CB	716	05.5472.14	719	05.5482.40.DA	721	05.5750.40.78	365	05.5772.40	369	05.5792.40.78	281
05.5461.ER.DA	716	05.5472.14.CB	719	05.5482.EQ	721	05.5750.40.C6	365	05.5772.40.78	369	05.5792.40.78	373
05.5461.ES	716	05.5472.14.DA	719	05.5482.EQ.CB	721	05.5750.40.CB	365	05.5772.40.C6	369	05.5792.40.DA	281
05.5461.ES.CB	716	05.5472.40	719	05.5482.EQ.DA	721	05.5750.40.DA	365	05.5772.40.CB	369	05.5792.40.DA	373
05.5461.ES.DA	716	05.5472.40.CB	719	05.5482.ER	721	05.5750.40.YU	365	05.5772.40.DA	369	05.5792.40.YU	281
05.5462.14	717	05.5472.40.DA	719	05.5482.ER.CB	721	05.5750.AP	365	05.5772.40.YU	369	05.5792.40.YU	373
05.5462.14.CB	717	05.5472.EQ	719	05.5482.ER.DA	721	05.5750.AP.CB	365	05.5772.AP	369	05.5792.AP	281
05.5462.14.DA	717	05.5472.EQ.CB	719	05.5482.ES	721	05.5750.AP.DA	365	05.5772.AP.CB	369	05.5792.AP	373
05.5462.40	717	05.5472.EQ.DA	719	05.5482.ES.CB	721	05.5751.14	365	05.5772.AP.DA	369	05.5792.AP.DA	281
05.5462.40.CB	717	05.5472.ER	719	05.5482.ES.DA	721	05.5751.14.CB	365	05.5780.14	279	05.5792.AP.DA	373
05.5462.40.DA	717	05.5472.ER.CB	719	05.5485.14	720	05.5751.14.DA	365	05.5780.14	371	05.5800.14	283
05.5462.EQ	717	05.5472.ER.DA	719	05.5485.14.CB	720	05.5751.40	365	05.5780.14.DA	279	05.5800.14	375
05.5462.EQ.CB	717	05.5472.ES	719	05.5485.14.DA	720	05.5751.40.78	365	05.5780.14.DA	371	05.5800.14.DA	283
05.5462.EQ.DA	717	05.5472.ES.CB	719	05.5485.40	720	05.5751.40.C6	365	05.5780.40	279	05.5800.14.DA	375
05.5462.ER	717	05.5472.ES.DA	719	05.5485.40.CB	720	05.5751.40.CB	365	05.5780.40	371	05.5800.40	283
05.5462.ER.CB	717	05.5475.14	718	05.5485.40.DA	720	05.5751.40.DA	365	05.5780.40.78	279	05.5800.40	375
05.5462.ER.DA	717	05.5475.14.CB	718	05.5485.EQ	720	05.5751.40.YU	365	05.5780.40.78	371	05.5800.40.78	283
05.5462.ES	717	05.5475.14.DA	718	05.5485.EQ.CB	720	05.5751.AP	365	05.5780.40.DA	279	05.5800.40.78	375
05.5462.ES.CB	717	05.5475.40	718	05.5485.EQ.DA	720	05.5751.AP.CB	365	05.5780.40.DA	371	05.5800.40.DA	283
05.5462.ES.DA	717	05.5475.40.CB	718	05.5485.ER	720	05.5751.AP.DA	365	05.5780.40.YU	279	05.5800.40.DA	375
05.5465.14	716	05.5475.40.DA	718	05.5485.ER.CB	720	05.5752.14	365	05.5780.40.YU	371	05.5800.40.YU	283
05.5465.14.CB	716	05.5475.EQ	718	05.5485.ER.DA	720	05.5752.14.CB	365	05.5780.AP	279	05.5800.40.YU	375
05.5465.14.DA	716	05.5475.EQ.CB	718	05.5485.ES	720	05.5752.14.DA	365	05.5780.AP	371	05.5800.AP	283
05.5465.40	716	05.5475.EQ.DA	718	05.5485.ES.CB	720	05.5752.40	365	05.5780.AP.DA	279	05.5800.AP	375
05.5465.40.CB	716	05.5475.ER	718	05.5485.ES.DA	720	05.5752.40.78	365	05.5780.AP.DA	371	05.5800.AP.DA	283
05.5465.40.DA	716	05.5475.ER.CB	718	05.5486.14	720	05.5752.40.C6	365	05.5781.14	279	05.5800.AP.DA	375
05.5465.EQ	716	05.5475.ER.DA	718	05.5486.14.CB	720	05.5752.40.CB	365	05.5781.14	371	05.5801.14	283
05.5465.EQ.CB	716	05.5475.ES	718	05.5486.14.DA	720	05.5752.40.DA	365	05.5781.14.DA	279	05.5801.14	375
05.5465.EQ.DA	716	05.5475.ES.CB	718	05.5486.40	720	05.5752.40.YU	365	05.5781.14.DA	371	05.5801.14.DA	283
05.5465.ER	716	05.5475.ES.DA	718	05.5486.40.CB	720	05.5752.AP	365	05.5781.40	279	05.5801.14.DA	375
05.5465.ER.CB	716	05.5476.14	718	05.5486.40.DA	720	05.5752.AP.CB	365	05.5781.40	371	05.5801.40	283
05.5465.ER.DA	716	05.5476.14.CB	718	05.5486.EQ	720	05.5752.AP.DA	365	05.5781.40.78	279	05.5801.40	375
05.5465.ES	716	05.5476.14.DA	718	05.5486.EQ.CB	720	05.5760.14	367	05.5781.40.78	371	05.5801.40.78	283

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05.5801.40.78	375	05.5822.AP	379	05.5872.40.C6	387	05.5921.40	215	05.5941.14.DA	219	05.6201.40.CB	358
05.5801.40.DA	283	05.5822.AP.CB	379	05.5872.40.CB	387	05.5921.40.1V	215	05.5941.40	219	05.6201.40.DA	358
05.5801.40.DA	375	05.5830.14	381	05.5872.AP.CB	387	05.5921.40.78	215	05.5941.40.1V	219	05.6201.40.YU	358
05.5801.40.YU	283	05.5830.14.CB	381	05.5880.14.CB	389	05.5921.40.C6	215	05.5941.40.78	219	05.6201.AP	358
05.5801.40.YU	375	05.5830.40	381	05.5880.14.DA	389	05.5921.40.CB	215	05.5941.40.C6	219	05.6201.AP.CB	358
05.5801.AP	283	05.5830.40.78	381	05.5880.40.C6	389	05.5921.40.DA	215	05.5941.40.CB	219	05.6201.AP.DA	358
05.5801.AP	375	05.5830.40.C6	381	05.5880.40.CB	389	05.5921.40.RX	215	05.5941.40.DA	219	05.6202.14	358
05.5801.AP.DA	283	05.5830.40.CB	381	05.5880.40.DA	389	05.5921.40.YU	215	05.5941.40.RX	219	05.6202.14.CB	358
05.5801.AP.DA	375	05.5830.AP	381	05.5880.40.YU	389	05.5921.AP	215	05.5941.40.YU	219	05.6202.14.DA	358
05.5802.14	283	05.5830.AP.CB	381	05.5880.AP.CB	389	05.5921.AP.1V	215	05.5941.AP	219	05.6202.40	358
05.5802.14	375	05.5831.14	381	05.5880.AP.DA	389	05.5921.AP.CB	215	05.5941.AP.1V	219	05.6202.40.78	358
05.5802.14.DA	283	05.5831.14.CB	381	05.5881.14.CB	389	05.5921.AP.DA	215	05.5941.AP.CB	219	05.6202.40.C6	358
05.5802.14.DA	375	05.5831.40	381	05.5881.14.DA	389	05.5922.14	215	05.5941.AP.DA	219	05.6202.40.CB	358
05.5802.40	283	05.5831.40.78	381	05.5881.40.C6	389	05.5922.14.1V	215	05.5942.14	219	05.6202.40.DA	358
05.5802.40	375	05.5831.40.C6	381	05.5881.40.CB	389	05.5922.14.CB	215	05.5942.14.1V	219	05.6202.40.YU	358
05.5802.40.78	283	05.5831.40.CB	381	05.5881.40.DA	389	05.5922.14.DA	215	05.5942.14.CB	219	05.6202.AP	358
05.5802.40.78	375	05.5831.AP	381	05.5881.40.YU	389	05.5922.40	215	05.5942.14.DA	219	05.6202.AP.CB	358
05.5802.40.DA	283	05.5831.AP.CB	381	05.5881.AP.CB	389	05.5922.40.1V	215	05.5942.40	219	05.6202.AP.DA	358
05.5802.40.DA	375	05.5832.14	381	05.5881.AP.DA	389	05.5922.40.78	215	05.5942.40.1V	219	05.6205.14	358
05.5802.40.YU	283	05.5832.14.CB	381	05.5882.14.CB	389	05.5922.40.C6	215	05.5942.40.78	219	05.6205.14.CB	358
05.5802.40.YU	375	05.5832.40	381	05.5882.14.DA	389	05.5922.40.CB	215	05.5942.40.C6	219	05.6205.14.DA	358
05.5802.AP	283	05.5832.40.78	381	05.5882.40.C6	389	05.5922.40.DA	215	05.5942.40.CB	219	05.6205.40	358
05.5802.AP	375	05.5832.40.C6	381	05.5882.40.CB	389	05.5922.40.RX	215	05.5942.40.DA	219	05.6205.40.78	358
05.5802.AP.DA	283	05.5832.40.CB	381	05.5882.40.DA	389	05.5922.40.YU	215	05.5942.40.RX	219	05.6205.40.C6	358
05.5802.AP.DA	375	05.5832.AP	381	05.5882.40.YU	389	05.5922.AP	215	05.5942.40.YU	219	05.6205.40.CB	358
05.5810.14	285	05.5832.AP.CB	381	05.5882.AP.CB	389	05.5922.AP.1V	215	05.5942.AP	219	05.6205.40.DA	358
05.5810.14	377	05.5840.14	383	05.5882.AP.DA	389	05.5922.AP.CB	215	05.5942.AP.1V	219	05.6205.40.YU	358
05.5810.14.DA	285	05.5840.14.CB	383	05.5890.14.CB	391	05.5922.AP.DA	215	05.5942.AP.CB	219	05.6205.AP	358
05.5810.14.DA	377	05.5840.40	383	05.5890.14.DA	391	05.5930.14	217	05.5942.AP.DA	219	05.6205.AP.CB	358
05.5810.40	285	05.5840.40.78	383	05.5890.40.C6	391	05.5930.14.1V	217	05.5950.14	221	05.6205.AP.DA	358
05.5810.40	377	05.5840.40.C6	383	05.5890.40.CB	391	05.5930.14.CB	217	05.5950.14.1V	221	05.6206.14	358
05.5810.40.78	285	05.5840.40.CB	383	05.5890.40.DA	391	05.5930.14.DA	217	05.5950.14.CB	221	05.6206.14.CB	358
05.5810.40.78	377	05.5840.AP	383	05.5890.40.YU	391	05.5930.40	217	05.5950.14.DA	221	05.6206.14.DA	358
05.5810.40.DA	285	05.5840.AP.CB	383	05.5890.AP.CB	391	05.5930.40.1V	217	05.5950.40	221	05.6206.40	358
05.5810.40.DA	377	05.5841.14	383	05.5890.AP.DA	391	05.5930.40.78	217	05.5950.40.1V	221	05.6206.40.78	358
05.5810.40.YU	285	05.5841.14.CB	383	05.5891.14.CB	391	05.5930.40.C6	217	05.5950.40.78	221	05.6206.40.C6	358
05.5810.40.YU	377	05.5841.40	383	05.5891.14.DA	391	05.5930.40.CB	217	05.5950.40.C6	221	05.6206.40.CB	358
05.5810.AP	285	05.5841.40.78	383	05.5891.40.C6	391	05.5930.40.DA	217	05.5950.40.CB	221	05.6206.40.DA	358
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05.5810.AP.DA	377	05.5841.AP	383	05.5891.40.YU	391	05.5930.AP	217	05.5950.40.YU	221	05.6206.AP.CB	358
05.5811.14	285	05.5841.AP.CB	383	05.5891.AP.CB	391	05.5930.AP.1V	217	05.5950.AP	221	05.6206.AP.DA	358
05.5811.14	377	05.5842.14	383	05.5891.AP.DA	391	05.5930.AP.CB	217	05.5950.AP.1V	221	05.6207.14	358
05.5811.14.DA	285	05.5842.14.CB	383	05.5892.14.CB	391	05.5930.AP.DA	217	05.5950.AP.CB	221	05.6207.14.CB	358
05.5811.14.DA	377	05.5842.40	383	05.5892.14.DA	391	05.5931.14	217	05.5950.AP.DA	221	05.6207.14.DA	358
05.5811.40	285	05.5842.40.78	383	05.5892.40.C6	391	05.5931.14.1V	217	05.5951.14	221	05.6207.40	358
05.5811.40	377	05.5842.40.C6	383	05.5892.40.CB	391	05.5931.14.CB	217	05.5951.14.1V	221	05.6207.40.78	358
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05.5811.40.78	377	05.5842.AP	383	05.5892.40.YU	391	05.5931.40	217	05.5951.14.DA	221	05.6207.40.CB	358
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05.5811.40.DA	377	05.5850.14	385	05.5892.AP.DA	391	05.5931.40.78	217	05.5951.40.1V	221	05.6207.40.YU	358
05.5811.40.YU	285	05.5850.14.CB	385	05.5900.14.CB	392	05.5931.40.C6	217	05.5951.40.78	221	05.6207.AP	358
05.5811.40.YU	377	05.5850.40	385	05.5900.40.C6	392	05.5931.40.CB	217	05.5951.40.C6	221	05.6207.AP.CB	358
05.5811.AP	285	05.5850.40.78	385	05.5900.40.CB	392	05.5931.40.DA	217	05.5951.40.CB	221	05.6207.AP.DA	358
05.5811.AP	377	05.5850.40.C6	385	05.5900.AP.CB	392	05.5931.40.RX	217	05.5951.40.DA	221	05.6210.14	359
05.5811.AP.DA	285	05.5850.40.CB	385	05.5901.14.CB	392	05.5931.40.YU	217	05.5951.40.RX	221	05.6210.14.CB	359
05.5811.AP.DA	377	05.5850.AP	385	05.5901.40.C6	392	05.5931.AP	217	05.5951.40.YU	221	05.6210.14.DA	359
05.5812.14	285	05.5850.AP.CB	385	05.5901.40.CB	392	05.5931.AP.1V	217	05.5951.AP	221	05.6210.40	359
05.5812.14	377	05.5851.14	385	05.5901.AP.CB	392	05.5931.AP.CB	217	05.5951.AP.1V	221	05.6210.40.78	359
05.5812.14.DA	285	05.5851.14.CB	385	05.5902.14.CB	392	05.5931.AP.DA	217	05.5951.AP.CB	221	05.6210.40.C6	359
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05.5812.40.YU	285	05.5852.14.CB	385	05.5911.14.CB	393	05.5932.40.C6	217	05.5952.40.78	221	05.6211.14.CB	359
05.5812.40.YU	377	05.5852.40	385	05.5911.40.C6	393	05.5932.40.CB	217	05.5952.40.C6	221	05.6211.14.DA	359
05.5812.AP	285	05.5852.40.78	385	05.5911.40.CB	393	05.5932.40.DA	217	05.5952.40.CB	221	05.6211.40	359
05.5812.AP	377	05.5852.40.C6	385	05.5911.AP.CB	393	05.5932.40.RX	217	05.5952.40.DA	221	05.6211.40.78	359
05.5812.AP.DA	285	05.5852.40.CB	385	05.5912.14.CB	393	05.5932.40.YU	217	05.5952.40.RX	221	05.6211.40.C6	359
05.5812.AP.DA	377	05.5852.AP	385	05.5912.40.C6	393	05.5932.AP	217	05.5952.40.YU	221	05.6211.40.CB	359
05.5820.14	379	05.5852.AP.CB	385	05.5912.40.CB	393	05.5932.AP.1V	217	05.5952.AP	221	05.6211.40.DA	359
05.5820.14.CB	379	05.5860.14.CB	386	05.5912.AP.CB	393	05.5932.AP.CB	217	05.5952.AP.1V	221	05.6211.40.YU	359
05.5820.40	379	05.5860.40.C6	386	05.5920.14	215	05.5932.AP.DA	217	05.5952.AP.CB	221	05.6211.AP	359
05.5820.40.78	379	05.5860.40.CB	386	05.5920.14.1V	215	05.5940.14	219	05.5952.AP.DA	221	05.6211.AP.CB	359
05.5820.40.C6	379	05.5860.AP.CB	386	05.5920.14.CB	215	05.5940.14.1V	219	05.6200.14	358	05.6211.AP.DA	359
05.5820.40.CB	379	05.5861.14.CB	386	05.5920.14.DA	215	05.5940.14.CB	219	05.6200.14.CB	358	05.6212.14	359
05.5820.AP	379	05.5861.40.C6	386	05.5920.40	215	05.5940.14.DA	219	05.6200.14.DA	358	05.6212.14.CB	359
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05.5821.14.CB	379	05.5862.14.CB	386	05.5920.40.C6	215	05.5940.40.78	219	05.6200.40.C6	358	05.6212.40.78	359
05.5821.40	379	05.5862.40.C6	386	05.5920.40.CB	215	05.5940.40.C6	219	05.6200.40.CB	358	05.6212.40.C6	359
05.5821.40.78	379	05.5862.40.CB	386	05.5920.40.DA	215	05.5940.40.CB	219	05.6200.40.DA	358	05.6212.40.CB	359
05.5821.40.C6	379	05.5862.AP.CB	386	05.5920.40.RX	215	05.5940.40.DA	219	05.6200.40.YU	358	05.6212.40.DA	359
05.5821.40.CB	379	05.5870.14.CB	387	05.5920.40.YU	215	05.5940.40.RX	219	05.6200.AP	358	05.6212.40.YU	359
05.5821.AP	379	05.5870.40.C6	387	05.5920.AP	215	05.5940.40.YU	219	05.6200.AP.CB	358	05.6212.AP	359
05.5821.AP.CB	379	05.5870.40.CB	387	05.5920.AP.1V	215	05.5940.AP	219	05.6200.AP.DA	358	05.6212.AP.CB	359
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05.5822.40.78	379	05.5871.40.CB	387	05.5921.14.1V	215	05.5941.14	219	05.6201.40	358	05.6215.14.DA	359
05.5822.40.C6	379	05.5871.AP.CB	387	05.5921.14.CB	215	05.5941.14.1V	219	05.6201.40.78	358	05.6215.40	359
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05.6290.AP	280	05.6300.40.YU	374	05.6310.40.YU	284	05.6321.14.CB	378	05.6341.14	382	05.6361.AP.CB	386
05.6290.AP	372	05.6300.AP	282	05.6310.40.YU	376	05.6321.40	378	05.6341.14.CB	382	05.6362.14.CB	386
05.6290.AP.DA	280	05.6300.AP	374	05.6310.AP	284	05.6321.40.78	378	05.6341.40	382	05.6362.40.C6	386
05.6290.AP.DA	372	05.6300.AP.DA	282	05.6310.AP	376	05.6321.40.C6	378	05.6341.40.78	382	05.6362.40.CB	386
05.6291.14	280	05.6300.AP.DA	374	05.6310.AP.DA	284	05.6321.40.CB	378	05.6341.40.C6	382	05.6362.AP.CB	386
05.6291.14	372	05.6301.14	282	05.6310.AP.DA	376	05.6321.AP	378	05.6341.40.CB	382	05.6365.14.CB	386
05.6291.14.DA	280	05.6301.14	374	05.6311.14	284	05.6321.AP.CB	378	05.6341.AP	382	05.6365.40.C6	386
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05.6291.40	280	05.6301.14.DA	374	05.6311.14.DA	284	05.6322.14.CB	378	05.6342.14	382	05.6365.AP.CB	386
05.6291.40	372	05.6301.40	282	05.6311.14.DA	376	05.6322.40	378	05.6342.14.CB	382	05.6366.14.CB	386
05.6291.40.78	280	05.6301.40	374	05.6311.40	284	05.6322.40.78	378	05.6342.40	382	05.6366.40.C6	386
05.6291.40.78	372	05.6301.40.78	282	05.6311.40	376	05.6322.40.C6	378	05.6342.40.78	382	05.6366.40.CB	386
05.6291.40.DA	280	05.6301.40.78	374	05.6311.40.78	284	05.6322.40.CB	378	05.6342.40.C6	382	05.6366.AP.CB	386
05.6291.40.DA	372	05.6301.40.DA	282	05.6311.40.78	376	05.6322.AP	378	05.6342.40.CB	382	05.6367.14.CB	386
05.6291.40.YU	280	05.6301.40.DA	374	05.6311.40.DA	284	05.6322.AP.CB	378	05.6342.AP	382	05.6367.40.C6	386
05.6291.40.YU	372	05.6301.40.YU	282	05.6311.40.DA	376	05.6325.14	379	05.6342.AP.CB	382	05.6367.40.CB	386
05.6291.AP	280	05.6301.40.YU	374	05.6311.40.YU	284	05.6325.14.CB	379	05.6345.14	383	05.6367.AP.CB	386
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05.6292.40.78	280	05.6302.40	374	05.6312.40	284	05.6326.40.78	379	05.6346.40	383	05.6372.40.C6	387
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05.6292.40.DA	372	05.6302.40.DA	282	05.6312.40.78	376	05.6326.AP	379	05.6346.40.CB	383	05.6375.14.CB	387
05.6292.40.YU	280	05.6302.40.DA	374	05.6312.40.DA	284	05.6326.AP.CB	379	05.6346.AP	383	05.6375.40.C6	387
05.6292.40.YU	372	05.6302.40.YU	282	05.6312.40.DA	376	05.6327.14	379	05.6346.AP.CB	383	05.6375.40.CB	387
05.6292.AP	280	05.6302.40.YU	374	05.6312.40.YU	284	05.6327.14.CB	379	05.6347.14	383	05.6375.AP.CB	387
05.6292.AP	372	05.6302.AP	282	05.6312.40.YU	376	05.6327.40	379	05.6347.14.CB	383	05.6376.14.CB	387
05.6292.AP.DA	280	05.6302.AP	374	05.6312.AP	284	05.6327.40.78	379	05.6347.40	383	05.6376.40.C6	387
05.6292.AP.DA	372	05.6302.AP.DA	282	05.6312.AP	376	05.6327.40.C6	379	05.6347.40.78	383	05.6376.40.CB	387
05.6295.14	281	05.6302.AP.DA	374	05.6312.AP.DA	284	05.6327.40.CB	379	05.6347.40.C6	383	05.6376.AP.CB	387
05.6295.14	373	05.6305.14	283	05.6312.AP.DA	376	05.6327.AP	379	05.6347.40.CB	383	05.6377.14.CB	387
05.6295.14.DA	281	05.6305.14	375	05.6315.14	285	05.6327.AP.CB	379	05.6347.AP	383	05.6377.40.C6	387
05.6295.14.DA	373	05.6305.14.DA	283	05.6315.14	377	05.6330.14	380	05.6347.AP.CB	383	05.6377.40.CB	387
05.6295.40	281	05.6305.14.DA	375	05.6315.14.DA	285	05.6330.14.CB	380	05.6350.14	384	05.6377.AP.CB	387
05.6295.40	373	05.6305.40	283	05.6315.14.DA	377	05.6330.40	380	05.6350.14.CB	384	05.6380.14.CB	388
05.6295.40.78	281	05.6305.40	375	05.6315.40	285	05.6330.40.78	380	05.6350.40	384	05.6380.14.DA	388
05.6295.40.78	373	05.6305.40.78	283	05.6315.40	377	05.6330.40.C6	380	05.6350.40.78	384	05.6380.40.C6	388
05.6295.40.DA	281	05.6305.40.78	375	05.6315.40.78	285	05.6330.40.CB	380	05.6350.40.C6	384	05.6380.40.CB	388
05.6295.40.DA	373	05.6305.40.DA	283	05.6315.40.78	377	05.6330.AP	380	05.6350.40.CB	384	05.6380.40.DA	388
05.6295.40.YU	281	05.6305.40.DA	375	05.6315.40.DA	285	05.6330.AP.CB	380	05.6350.AP	384	05.6380.40.YU	388
05.6295.40.YU	373	05.6305.40.YU	283	05.6315.40.DA	377	05.6331.14	380	05.6350.AP.CB	384	05.6380.AP.CB	388
05.6295.AP	281	05.6305.40.YU	375	05.6315.40.YU	285	05.6331.14.CB	380	05.6351.14	384	05.6380.AP.DA	388
05.6295.AP	373	05.6305.AP	283	05.6315.40.YU	377	05.6331.40	380	05.6351.14.CB	384	05.6381.14.CB	388
05.6295.AP.DA	281	05.6305.AP	375	05.6315.AP	285	05.6331.40.78	380	05.6351.40	384	05.6381.14.DA	388
05.6295.AP.DA	373	05.6305.AP.DA	283	05.6315.AP	377	05.6331.40.C6	380	05.6351.40.78	384	05.6381.40.C6	388
05.6296.14	281	05.6305.AP.DA	375	05.6315.AP.DA	285	05.6331.40.CB	380	05.6351.40.C6	384	05.6381.40.CB	388
05.6296.14	373	05.6306.14	283	05.6315.AP.DA	377	05.6331.AP	380	05.6351.40.CB	384	05.6381.40.DA	388
05.6296.14.DA	281	05.6306.14	375	05.6316.14	285	05.6331.AP.CB	380	05.6351.AP	384	05.6381.40.YU	388
05.6296.14.DA	373	05.6306.14.DA	283	05.6316.14	377	05.6332.14	380	05.6351.AP.CB	384	05.6381.AP.CB	388
05.6296.40	281	05.6306.14.DA	375	05.6316.14.DA	285	05.6332.14.CB	380	05.6352.14	384	05.6381.AP.DA	388
05.6296.40	373	05.6306.40	283	05.6316.14.DA	377	05.6332.40	380	05.6352.14.CB	384	05.6382.14.CB	388
05.6296.40.78	281	05.6306.40	375	05.6316.40	285	05.6332.40.78	380	05.6352.40	384	05.6382.14.DA	388
05.6296.40.78	373	05.6306.40.78	283	05.6316.40	377	05.6332.40.C6	380	05.6352.40.78	384	05.6382.40.C6	388
05.6296.40.DA	281	05.6306.40.78	375	05.6316.40.78	285	05.6332.40.CB	380	05.6352.40.C6	384	05.6382.40.CB	388
05.6296.40.DA	373	05.6306.40.DA	283	05.6316.40.78	377	05.6332.AP	380	05.6352.40.CB	384	05.6382.40.DA	388
05.6296.40.YU	281	05.6306.40.DA	375	05.6316.40.DA	285	05.6332.AP.CB	380	05.6352.AP	384	05.6382.40.YU	388
05.6296.40.YU	373	05.6306.40.YU	283	05.6316.40.DA	377	05.6335.14	381	05.6352.AP.CB	384	05.6382.AP.CB	388
05.6296.AP	281	05.6306.40.YU	375	05.6316.40.YU	285	05.6335.14.CB	381	05.6355.14	385	05.6382.AP.DA	388
05.6296.AP	373	05.6306.AP	283	05.6316.40.YU	377	05.6335.40	381	05.6355.14.CB	385	05.6385.14.CB	389
05.6296.AP.DA	281	05.6306.AP	375	05.6316.AP	285	05.6335.40.78	381	05.6355.40	385	05.6385.14.DA	389
05.6296.AP.DA	373	05.6306.AP.DA	283	05.6316.AP	377	05.6335.40.C6	381	05.6355.40.78	385	05.6385.40.C6	389
05.6297.14	281	05.6306.AP.DA	375	05.6316.AP.DA	285	05.6335.40.CB	381	05.6355.40.C6	385	05.6385.40.CB	389
05.6297.14	373	05.6307.14	283	05.6316.AP.DA	377	05.6335.AP	381	05.6355.40.CB	385	05.6385.40.DA	389
05.6297.14.DA	281	05.6307.14	375	05.6317.14	285	05.6335.AP.CB	381	05.6355.AP	385	05.6385.40.YU	389
05.6297.14.DA	373	05.6307.14.DA	283	05.6317.14	377	05.6336.14	381	05.6355.AP.CB	385	05.6385.AP.CB	389
05.6297.40	281	05.6307.14.DA	375	05.6317.14.DA	285	05.6336.14.CB	381	05.6356.14	385	05.6385.AP.DA	389
05.6297.40	373	05.6307.40	283	05.6317.14.DA	377	05.6336.40	381	05.6356.14.CB	385	05.6386.14.CB	389
05.6297.40.78	281	05.6307.40	375	05.6317.40	285	05.6336.40.78	381	05.6356.40	385	05.6386.14.DA	389
05.6297.40.78	373	05.6307.40.78	283	05.6317.40	377	05.6336.40.C6	381	05.6356.40.78	385	05.6386.40.C6	389
05.6297.40.DA	281	05.6307.40.78	375	05.6317.40.78	285	05.6336.40.CB	381	05.6356.40.C6	385	05.6386.40.CB	389
05.6297.40.DA	373	05.6307.40.DA	283	05.6317.40.78	377	05.6336.AP	381	05.6356.40.CB	385	05.6386.40.DA	389
05.6297.40.YU	281	05.6307.40.DA	375	05.6317.40.DA	285	05.6336.AP.CB	381	05.6356.AP	385	05.6386.40.YU	389
05.6297.40.YU	373	05.6307.40.YU	283	05.6317.40.DA	377	05.6337.14	381	05.6356.AP.CB	385	05.6386.AP.CB	389
05.6297.AP	281	05.6307.40.YU	375	05.6317.40.YU	285	05.6337.14.CB	381	05.6357.14	385	05.6386.AP.DA	389
05.6297.AP	373	05.6307.AP	283	05.6317.40.YU	377	05.6337.40	381	05.6357.14.CB	385	05.6387.14.CB	389
05.6297.AP.DA	281	05.6307.AP	375	05.6317.AP	285	05.6337.40.78	381	05.6357.40	385	05.6387.14.DA	389
05.6297.AP.DA	373	05.6307.AP.DA	283	05.6317.AP	377	05.6337.40.C6	381	05.6357.40.78	385	05.6387.40.C6	389
05.6300.14	282	05.6307.AP.DA	375	05.6317.AP.DA	285	05.6337.40.CB	381	05.6357.40.C6	385	05.6387.40.CB	389
05.6300.14	374	05.6310.14	284	05.6317.AP.DA	377	05.6337.AP	381	05.6357.40.CB	385	05.6387.40.DA	389
05.6300.14.DA	282	05.6310.14	376	05.6320.14	378	05.6337.AP.CB	381	05.6357.AP	385	05.6387.40.YU	389
05.6300.14.DA	374	05.6310.14.DA	284	05.6320.14.CB	378	05.6340.14	382	05.6357.AP.CB	385	05.6387.AP.CB	389
05.6300.40	282	05.6310.14.DA	376	05.6320.40	378	05.6340.14.CB	382	05.6360.14.CB	386	05.6387.AP.DA	389
05.6300.40	374	05.6310.40	284	05.6320.40.78	378	05.6340.40	382	05.6360.40.C6	386	05.6390.14.CB	390
05.6300.40.78	282	05.6310.40	376	05.6320.40.C6	378	05.6340.40.78	382	05.6360.40.CB	386	05.6390.14.DA	390
05.6300.40.78	374	05.6310.40.78	284	05.6320.40.CB	378	05.6340.40.C6	382	05.6360.AP.CB	386	05.6390.40.C6	390
05.6300.40.DA	282	05.6310.40.78	376	05.6320.AP	378	05.6340.40.CB	382	05.6361.14.CB	386	05.6390.40.CB	390
05.6300.40.DA	374	05.6310.40.DA	284	05.6320.AP.CB	378	05.6340.AP	382	05.6361.40.C6	386	05.6390.40.DA	390

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05.6390.40.YU	390	05.6420.40	214	05.6430.14.DA	216	05.6440.14.CB	218	05.6450.14.1V	220	05.6500.14	396
05.6390.AP.CB	390	05.6420.40.1V	214	05.6430.40	216	05.6440.14.DA	218	05.6450.14.CB	220	05.6500.14.CB	396
05.6390.AP.DA	390	05.6420.40.78	214	05.6430.40.1V	216	05.6440.40	218	05.6450.14.DA	220	05.6500.40	396
05.6391.14.CB	390	05.6420.40.C6	214	05.6430.40.78	216	05.6440.40.1V	218	05.6450.40	220	05.6500.40.78	396
05.6391.14.DA	390	05.6420.40.CB	214	05.6430.40.C6	216	05.6440.40.78	218	05.6450.40.1V	220	05.6500.40.C6	396
05.6391.40.C6	390	05.6420.40.DA	214	05.6430.40.CB	216	05.6440.40.C6	218	05.6450.40.78	220	05.6500.40.CB	396
05.6391.40.CB	390	05.6420.40.RX	214	05.6430.40.DA	216	05.6440.40.CB	218	05.6450.40.C6	220	05.6501.14	396
05.6391.40.DA	390	05.6420.40.YU	214	05.6430.40.RX	216	05.6440.40.DA	218	05.6450.40.CB	220	05.6501.14.CB	396
05.6391.40.YU	390	05.6420.AP	214	05.6430.40.YU	216	05.6440.40.RX	218	05.6450.40.DA	220	05.6501.40	396
05.6391.AP.CB	390	05.6420.AP.1V	214	05.6430.AP	216	05.6440.40.YU	218	05.6450.40.RX	220	05.6501.40.78	396
05.6391.AP.DA	390	05.6420.AP.CB	214	05.6430.AP.1V	216	05.6440.AP	218	05.6450.40.YU	220	05.6501.40.C6	396
05.6392.14.CB	390	05.6420.AP.DA	214	05.6430.AP.CB	216	05.6440.AP.1V	218	05.6450.AP	220	05.6501.40.CB	396
05.6392.14.DA	390	05.6421.14	214	05.6430.AP.DA	216	05.6440.AP.CB	218	05.6450.AP.1V	220	05.6502.14	396
05.6392.40.C6	390	05.6421.14.1V	214	05.6431.14	216	05.6440.AP.DA	218	05.6450.AP.CB	220	05.6502.14.CB	396
05.6392.40.CB	390	05.6421.14.CB	214	05.6431.14.1V	216	05.6441.14	218	05.6450.AP.DA	220	05.6502.40	396
05.6392.40.DA	390	05.6421.14.DA	214	05.6431.14.CB	216	05.6441.14.1V	218	05.6451.14	220	05.6502.40.78	396
05.6392.40.YU	390	05.6421.40	214	05.6431.14.DA	216	05.6441.14.CB	218	05.6451.14.1V	220	05.6502.40.C6	396
05.6392.AP.CB	390	05.6421.40.1V	214	05.6431.40	216	05.6441.14.DA	218	05.6451.14.CB	220	05.6502.40.CB	396
05.6392.AP.DA	390	05.6421.40.78	214	05.6431.40.1V	216	05.6441.40	218	05.6451.14.DA	220	05.6505.14	397
05.6395.14.CB	391	05.6421.40.C6	214	05.6431.40.78	216	05.6441.40.1V	218	05.6451.40	220	05.6505.14.CB	397
05.6395.14.DA	391	05.6421.40.CB	214	05.6431.40.C6	216	05.6441.40.78	218	05.6451.40.1V	220	05.6505.40	397
05.6395.40.C6	391	05.6421.40.DA	214	05.6431.40.CB	216	05.6441.40.C6	218	05.6451.40.78	220	05.6505.40.78	397
05.6395.40.CB	391	05.6421.40.RX	214	05.6431.40.DA	216	05.6441.40.CB	218	05.6451.40.C6	220	05.6505.40.C6	397
05.6395.40.DA	391	05.6421.40.YU	214	05.6431.40.RX	216	05.6441.40.DA	218	05.6451.40.CB	220	05.6505.40.CB	397
05.6395.40.YU	391	05.6421.AP	214	05.6431.40.YU	216	05.6441.40.RX	218	05.6451.40.DA	220	05.6506.14	397
05.6395.AP.CB	391	05.6421.AP.1V	214	05.6431.AP	216	05.6441.40.YU	218	05.6451.40.RX	220	05.6506.14.CB	397
05.6395.AP.DA	391	05.6421.AP.CB	214	05.6431.AP.1V	216	05.6441.AP	218	05.6451.40.YU	220	05.6506.40	397
05.6396.14.CB	391	05.6421.AP.DA	214	05.6431.AP.CB	216	05.6441.AP.1V	218	05.6451.AP	220	05.6506.40.78	397
05.6396.14.DA	391	05.6422.14	214	05.6431.AP.DA	216	05.6441.AP.CB	218	05.6451.AP.1V	220	05.6506.40.C6	397
05.6396.40.C6	391	05.6422.14.1V	214	05.6432.14	216	05.6441.AP.DA	218	05.6451.AP.CB	220	05.6506.40.CB	397
05.6396.40.CB	391	05.6422.14.CB	214	05.6432.14.1V	216	05.6442.14	218	05.6451.AP.DA	220	05.6507.14	397
05.6396.40.DA	391	05.6422.14.DA	214	05.6432.14.CB	216	05.6442.14.1V	218	05.6452.14	220	05.6507.14.CB	397
05.6396.40.YU	391	05.6422.40	214	05.6432.14.DA	216	05.6442.14.CB	218	05.6452.14.1V	220	05.6507.40	397
05.6396.AP.CB	391	05.6422.40.1V	214	05.6432.40	216	05.6442.14.DA	218	05.6452.14.CB	220	05.6507.40.78	397
05.6396.AP.DA	391	05.6422.40.78	214	05.6432.40.1V	216	05.6442.40	218	05.6452.14.DA	220	05.6507.40.C6	397
05.6397.14.CB	391	05.6422.40.C6	214	05.6432.40.78	216	05.6442.40.1V	218	05.6452.40	220	05.6507.40.CB	397
05.6397.14.DA	391	05.6422.40.CB	214	05.6432.40.C6	216	05.6442.40.78	218	05.6452.40.1V	220	05.6510.14.CB	398
05.6397.40.C6	391	05.6422.40.DA	214	05.6432.40.CB	216	05.6442.40.C6	218	05.6452.40.78	220	05.6510.40.C6	398
05.6397.40.CB	391	05.6422.40.RX	214	05.6432.40.DA	216	05.6442.40.CB	218	05.6452.40.C6	220	05.6510.40.CB	398
05.6397.40.DA	391	05.6422.40.YU	214	05.6432.40.RX	216	05.6442.40.DA	218	05.6452.40.CB	220	05.6511.14.CB	398
05.6397.40.YU	391	05.6422.AP	214	05.6432.40.YU	216	05.6442.40.RX	218	05.6452.40.DA	220	05.6511.40.C6	398
05.6397.AP.CB	391	05.6422.AP.1V	214	05.6432.AP	216	05.6442.40.YU	218	05.6452.40.RX	220	05.6511.40.CB	398
05.6397.AP.DA	391	05.6422.AP.CB	214	05.6432.AP.1V	216	05.6442.AP	218	05.6452.40.YU	220	05.6512.14.CB	398
05.6400.14.CB	392	05.6422.AP.DA	214	05.6432.AP.CB	216	05.6442.AP.1V	218	05.6452.AP	220	05.6512.40.C6	398
05.6400.40.C6	392	05.6425.14	215	05.6432.AP.DA	216	05.6442.AP.CB	218	05.6452.AP.1V	220	05.6512.40.CB	398
05.6400.40.CB	392	05.6425.14.1V	215	05.6435.14	217	05.6442.AP.DA	218	05.6452.AP.CB	220	05.6515.14.CB	399
05.6400.AP.CB	392	05.6425.14.CB	215	05.6435.14.1V	217	05.6445.14	219	05.6452.AP.DA	220	05.6515.40.C6	399
05.6401.14.CB	392	05.6425.14.DA	215	05.6435.14.CB	217	05.6445.14.1V	219	05.6455.14	221	05.6515.40.CB	399
05.6401.40.C6	392	05.6425.40	215	05.6435.14.DA	217	05.6445.14.CB	219	05.6455.14.1V	221	05.6516.14.CB	399
05.6401.40.CB	392	05.6425.40.1V	215	05.6435.40	217	05.6445.14.DA	219	05.6455.14.CB	221	05.6516.40.C6	399
05.6401.AP.CB	392	05.6425.40.78	215	05.6435.40.1V	217	05.6445.40	219	05.6455.14.DA	221	05.6516.40.CB	399
05.6402.14.CB	392	05.6425.40.C6	215	05.6435.40.78	217	05.6445.40.1V	219	05.6455.40	221	05.6517.14.CB	399
05.6402.40.C6	392	05.6425.40.CB	215	05.6435.40.C6	217	05.6445.40.78	219	05.6455.40.1V	221	05.6517.40.C6	399
05.6402.40.CB	392	05.6425.40.DA	215	05.6435.40.CB	217	05.6445.40.C6	219	05.6455.40.78	221	05.6517.40.CB	399
05.6402.AP.CB	392	05.6425.40.RX	215	05.6435.40.DA	217	05.6445.40.CB	219	05.6455.40.C6	221	05.6520.14	400
05.6405.14.CB	392	05.6425.40.YU	215	05.6435.40.RX	217	05.6445.40.DA	219	05.6455.40.CB	221	05.6520.14.CB	400
05.6405.40.C6	392	05.6425.AP	215	05.6435.40.YU	217	05.6445.40.RX	219	05.6455.40.DA	221	05.6520.40	400
05.6405.40.CB	392	05.6425.AP.1V	215	05.6435.AP	217	05.6445.40.YU	219	05.6455.40.RX	221	05.6520.40.78	400
05.6405.AP.CB	392	05.6425.AP.CB	215	05.6435.AP.1V	217	05.6445.AP	219	05.6455.40.YU	221	05.6520.40.C6	400
05.6406.14.CB	392	05.6425.AP.DA	215	05.6435.AP.CB	217	05.6445.AP.1V	219	05.6455.AP	221	05.6520.40.CB	400
05.6406.40.C6	392	05.6426.14	215	05.6435.AP.DA	217	05.6445.AP.CB	219	05.6455.AP.1V	221	05.6521.14	400
05.6406.40.CB	392	05.6426.14.1V	215	05.6436.14	217	05.6445.AP.DA	219	05.6455.AP.CB	221	05.6521.14.CB	400
05.6406.AP.CB	392	05.6426.14.CB	215	05.6436.14.1V	217	05.6446.14	219	05.6455.AP.DA	221	05.6521.40	400
05.6407.14.CB	392	05.6426.14.DA	215	05.6436.14.CB	217	05.6446.14.1V	219	05.6456.14	221	05.6521.40.78	400
05.6407.40.C6	392	05.6426.40	215	05.6436.14.DA	217	05.6446.14.CB	219	05.6456.14.1V	221	05.6521.40.C6	400
05.6407.40.CB	392	05.6426.40.1V	215	05.6436.40	217	05.6446.14.DA	219	05.6456.14.CB	221	05.6521.40.CB	400
05.6407.AP.CB	392	05.6426.40.78	215	05.6436.40.1V	217	05.6446.40	219	05.6456.14.DA	221	05.6522.14	400
05.6410.14.CB	393	05.6426.40.C6	215	05.6436.40.78	217	05.6446.40.1V	219	05.6456.40	221	05.6522.14.CB	400
05.6410.40.C6	393	05.6426.40.CB	215	05.6436.40.C6	217	05.6446.40.78	219	05.6456.40.1V	221	05.6522.40	400
05.6410.40.CB	393	05.6426.40.DA	215	05.6436.40.CB	217	05.6446.40.C6	219	05.6456.40.78	221	05.6522.40.78	400
05.6410.AP.CB	393	05.6426.40.RX	215	05.6436.40.DA	217	05.6446.40.CB	219	05.6456.40.C6	221	05.6522.40.C6	400
05.6411.14.CB	393	05.6426.40.YU	215	05.6436.40.RX	217	05.6446.40.DA	219	05.6456.40.CB	221	05.6522.40.CB	400
05.6411.40.C6	393	05.6426.AP	215	05.6436.40.YU	217	05.6446.40.RX	219	05.6456.40.DA	221	05.6525.14	401
05.6411.40.CB	393	05.6426.AP.1V	215	05.6436.AP	217	05.6446.40.YU	219	05.6456.40.RX	221	05.6525.14.CB	401
05.6411.AP.CB	393	05.6426.AP.CB	215	05.6436.AP.1V	217	05.6446.AP	219	05.6456.40.YU	221	05.6525.40	401
05.6412.14.CB	393	05.6426.AP.DA	215	05.6436.AP.CB	217	05.6446.AP.1V	219	05.6456.AP	221	05.6525.40.78	401
05.6412.40.C6	393	05.6427.14	215	05.6436.AP.DA	217	05.6446.AP.CB	219	05.6456.AP.1V	221	05.6525.40.C6	401
05.6412.40.CB	393	05.6427.14.1V	215	05.6437.14	217	05.6446.AP.DA	219	05.6456.AP.CB	221	05.6525.40.CB	401
05.6412.AP.CB	393	05.6427.14.CB	215	05.6437.14.1V	217	05.6447.14	219	05.6456.AP.DA	221	05.6526.14	401
05.6415.14.CB	393	05.6427.14.DA	215	05.6437.14.CB	217	05.6447.14.1V	219	05.6457.14	221	05.6526.14.CB	401
05.6415.40.C6	393	05.6427.40	215	05.6437.14.DA	217	05.6447.14.CB	219	05.6457.14.1V	221	05.6526.40	401
05.6415.40.CB	393	05.6427.40.1V	215	05.6437.40	217	05.6447.14.DA	219	05.6457.14.CB	221	05.6526.40.78	401
05.6415.AP.CB	393	05.6427.40.78	215	05.6437.40.1V	217	05.6447.40	219	05.6457.14.DA	221	05.6526.40.C6	401
05.6416.14.CB	393	05.6427.40.C6	215	05.6437.40.78	217	05.6447.40.1V	219	05.6457.40	221	05.6526.40.CB	401
05.6416.40.C6	393	05.6427.40.CB	215	05.6437.40.C6	217	05.6447.40.78	219	05.6457.40.1V	221	05.6527.14	401
05.6416.40.CB	393	05.6427.40.DA	215	05.6437.40.CB	217	05.6447.40.C6	219	05.6457.40.78	221	05.6527.14.CB	401
05.6416.AP.CB	393	05.6427.40.RX	215	05.6437.40.DA	217	05.6447.40.CB	219	05.6457.40.C6	221	05.6527.40	401
05.6417.14.CB	393	05.6427.40.YU	215	05.6437.40.RX	217	05.6447.40.DA	219	05.6457.40.CB	221	05.6527.40.78	401
05.6417.40.C6	393	05.6427.AP	215	05.6437.40.YU	217	05.6447.40.RX	219	05.6457.40.DA	221	05.6527.40.C6	401
05.6417.40.CB	393	05.6427.AP.1V	215	05.6437.AP	217	05.6447.40.YU	219	05.6457.40.RX	221	05.6527.40.CB	401
05.6417.AP.CB	393	05.6427.AP.CB	215	05.6437.AP.1V	217	05.6447.AP	219	05.6457.40.YU	221	05.6530.14.CB	402
05.6420.14	214	05.6427.AP.DA	215	05.6437.AP.CB	217	05.6447.AP.1V	219	05.6457.AP	221	05.6530.40.C6	402
05.6420.14.1V	214	05.6430.14	216	05.6437.AP.DA	217	05.6447.AP.CB	219	05.6457.AP.1V	221	05.6530.40.CB	402
05.6420.14.CB	214	05.6430.14.1V	216	05.6440.14	218	05.6447.AP.DA	219	05.6457.AP.CB	221	05.6531.14.CB	402
05.6420.14.DA	214	05.6430.14.CB	216	05.6440.14.1V	218	05.6450.14	220	05.6457.AP.DA	221	05.6531.40.C6	402

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05.6531.40.CB	402	05.6726.40.C6	409	05.7105.74	616	05.7212.GL	629	05.7410.B1	598	05.7452.74	598
05.6532.14.CB	402	05.6726.40.CB	409	05.7105.B1	616	05.7215.74	629	05.7410.GL	598	05.7452.B1	598
05.6532.40.C6	402	05.6727.14	409	05.7105.GL	616	05.7215.B1	629	05.7411.74	598	05.7452.GL	598
05.6532.40.CB	402	05.6727.14.CB	409	05.7106.74	616	05.7215.GL	629	05.7411.B1	598	05.7453.74	598
05.6535.14.CB	403	05.6727.40	409	05.7106.B1	616	05.7216.74	629	05.7411.GL	598	05.7453.B1	598
05.6535.40.C6	403	05.6727.40.78	409	05.7106.GL	616	05.7216.B1	629	05.7412.74	601	05.7453.GL	598
05.6535.40.CB	403	05.6727.40.C6	409	05.7107.74	616	05.7216.GL	629	05.7412.B1	601	05.7454.74	601
05.6536.14.CB	403	05.6727.40.CB	409	05.7107.B1	616	05.7217.74	629	05.7412.GL	601	05.7454.B1	601
05.6536.40.C6	403	05.6730.14.CB	410	05.7107.GL	616	05.7217.B1	629	05.7413.74	601	05.7454.GL	601
05.6536.40.CB	403	05.6730.40.C6	410	05.7110.74	618	05.7217.GL	629	05.7413.B1	601	05.7455.74	601
05.6537.14.CB	403	05.6730.40.CB	410	05.7110.B1	618	05.7220.74	628	05.7413.GL	601	05.7455.B1	601
05.6537.40.C6	403	05.6731.14.CB	410	05.7110.GL	618	05.7220.B1	628	05.7414.74	605	05.7455.GL	601
05.6537.40.CB	403	05.6731.40.C6	410	05.7111.74	618	05.7220.GL	628	05.7414.B1	605	05.7456.74	601
05.6700.14	404	05.6731.40.CB	410	05.7111.B1	618	05.7222.74	628	05.7414.GL	605	05.7456.B1	601
05.6700.14.CB	404	05.6732.14.CB	410	05.7111.GL	618	05.7222.B1	628	05.7415.74	605	05.7456.GL	601
05.6700.40	404	05.6732.40.C6	410	05.7112.74	618	05.7222.GL	628	05.7415.B1	605	05.7457.74	601
05.6700.40.78	404	05.6732.40.CB	410	05.7112.B1	618	05.7223.74	628	05.7415.GL	605	05.7457.B1	601
05.6700.40.C6	404	05.6735.14.CB	411	05.7112.GL	618	05.7223.B1	628	05.7416.74	608	05.7457.GL	601
05.6700.40.CB	404	05.6735.40.C6	411	05.7115.74	618	05.7223.GL	628	05.7416.B1	608	05.7458.74	605
05.6701.14	404	05.6735.40.CB	411	05.7115.B1	618	05.7224.74	628	05.7416.GL	608	05.7458.B1	605
05.6701.14.CB	404	05.6736.14.CB	411	05.7115.GL	618	05.7224.B1	628	05.7417.74	608	05.7458.GL	605
05.6701.40	404	05.6736.40.C6	411	05.7116.74	618	05.7224.GL	628	05.7417.B1	608	05.7459.74	605
05.6701.40.78	404	05.6736.40.CB	411	05.7116.B1	618	05.7225.74	628	05.7417.GL	608	05.7459.B1	605
05.6701.40.C6	404	05.6737.14.CB	411	05.7116.GL	618	05.7225.B1	628	05.7420.74	611	05.7459.GL	605
05.6701.40.CB	404	05.6737.40.C6	411	05.7117.74	618	05.7225.GL	628	05.7420.B1	611	05.7460.74	605
05.6702.14	404	05.6737.40.CB	411	05.7117.B1	618	05.7226.74	628	05.7420.GL	611	05.7460.B1	605
05.6702.14.CB	404	05.7000.74	649	05.7117.GL	618	05.7226.B1	628	05.7421.74	611	05.7460.GL	605
05.6702.40	404	05.7000.B1	649	05.7120.74	620	05.7226.GL	628	05.7421.B1	611	05.7461.74	605
05.6702.40.78	404	05.7000.GL	649	05.7120.B1	620	05.7300.74	595	05.7421.GL	611	05.7461.B1	605
05.6702.40.C6	404	05.7001.74	649	05.7120.GL	620	05.7300.B1	595	05.7422.74	613	05.7461.GL	605
05.6702.40.CB	404	05.7001.B1	649	05.7121.74	620	05.7300.GL	595	05.7422.B1	613	05.7462.74	608
05.6705.14	405	05.7001.GL	649	05.7121.B1	620	05.7301.74	595	05.7422.GL	613	05.7462.B1	608
05.6705.14.CB	405	05.7002.74	649	05.7121.GL	620	05.7301.B1	595	05.7423.74	613	05.7462.GL	608
05.6705.40	405	05.7002.B1	649	05.7130.74	617	05.7301.GL	595	05.7423.B1	613	05.7463.74	608
05.6705.40.78	405	05.7002.GL	649	05.7130.B1	617	05.7302.74	595	05.7423.GL	613	05.7463.B1	608
05.6705.40.C6	405	05.7005.74	649	05.7130.GL	617	05.7302.B1	595	05.7430.74	631	05.7463.GL	608
05.6705.40.CB	405	05.7005.B1	649	05.7131.74	617	05.7302.GL	595	05.7430.B1	631	05.7464.74	608
05.6706.14	405	05.7005.GL	649	05.7131.B1	617	05.7305.74	595	05.7430.GL	631	05.7464.B1	608
05.6706.14.CB	405	05.7006.74	649	05.7131.GL	617	05.7305.B1	595	05.7431.74	631	05.7464.GL	608
05.6706.40	405	05.7006.B1	649	05.7135.74	619	05.7305.GL	595	05.7431.B1	631	05.7465.74	608
05.6706.40.78	405	05.7006.GL	649	05.7135.B1	619	05.7306.74	595	05.7431.GL	631	05.7465.B1	608
05.6706.40.C6	405	05.7007.74	649	05.7135.GL	619	05.7306.B1	595	05.7432.74	634	05.7465.GL	608
05.6706.40.CB	405	05.7007.B1	649	05.7136.74	619	05.7306.GL	595	05.7432.B1	634	05.7600.74A	624
05.6707.14	405	05.7007.GL	649	05.7136.B1	619	05.7307.74	595	05.7432.GL	634	05.7600.B1A	624
05.6707.14.CB	405	05.7010.74	651	05.7136.GL	619	05.7307.B1	595	05.7433.74	634	05.7600.GLA	624
05.6707.40	405	05.7010.B1	651	05.7140.74	620	05.7307.GL	595	05.7433.B1	634	05.7601.74A	624
05.6707.40.78	405	05.7010.GL	651	05.7140.B1	620	05.7310.74	596	05.7433.GL	634	05.7601.B1A	624
05.6707.40.C6	405	05.7011.74	651	05.7140.GL	620	05.7310.B1	596	05.7434.74	644	05.7601.GLA	624
05.6707.40.CB	405	05.7011.B1	651	05.7141.74	620	05.7310.GL	596	05.7434.B1	644	05.7602.74A	625
05.6710.14.CB	406	05.7011.GL	651	05.7141.B1	620	05.7311.74	596	05.7434.GL	644	05.7602.B1A	625
05.6710.40.C6	406	05.7012.74	651	05.7141.GL	620	05.7311.B1	596	05.7435.74	644	05.7602.GLA	625
05.6710.40.CB	406	05.7012.B1	651	05.7150.74	621	05.7311.GL	596	05.7435.B1	644	05.7603.74A	625
05.6711.14.CB	406	05.7012.GL	651	05.7150.B1	621	05.7312.74	596	05.7435.GL	644	05.7603.B1A	625
05.6711.40.C6	406	05.7015.74	651	05.7150.GL	621	05.7312.B1	596	05.7436.74	646	05.7603.GLA	625
05.6711.40.CB	406	05.7015.B1	651	05.7151.74	621	05.7312.GL	596	05.7436.B1	646	05.7605.74A	624
05.6712.14.CB	406	05.7015.GL	651	05.7151.B1	621	05.7315.74	596	05.7436.GL	646	05.7605.B1A	624
05.6712.40.C6	406	05.7016.74	651	05.7151.GL	621	05.7315.B1	596	05.7437.74	646	05.7605.GLA	624
05.6712.40.CB	406	05.7016.B1	651	05.7152.74	621	05.7315.GL	596	05.7437.B1	646	05.7606.74A	624
05.6715.14.CB	407	05.7016.GL	651	05.7152.B1	621	05.7316.74	596	05.7437.GL	646	05.7606.B1A	624
05.6715.40.C6	407	05.7017.74	651	05.7152.GL	621	05.7316.B1	596	05.7438.74	641	05.7606.GLA	624
05.6715.40.CB	407	05.7017.B1	651	05.7155.74	621	05.7316.GL	596	05.7438.B1	641	05.7607.74A	625
05.6716.14.CB	407	05.7017.GL	651	05.7155.B1	621	05.7317.74	596	05.7438.GL	641	05.7607.B1A	625
05.6716.40.C6	407	05.7020.74	653	05.7155.GL	621	05.7317.B1	596	05.7439.74	641	05.7607.GLA	625
05.6716.40.CB	407	05.7020.B1	653	05.7156.74	621	05.7317.GL	596	05.7439.B1	641	05.7608.74A	625
05.6717.14.CB	407	05.7020.GL	653	05.7156.B1	621	05.7400.74	638	05.7439.GL	641	05.7608.B1A	625
05.6717.40.C6	407	05.7021.74	653	05.7156.GL	621	05.7400.B1	638	05.7440.74	631	05.7608.GLA	625
05.6717.40.CB	407	05.7021.B1	653	05.7157.74	621	05.7400.GL	638	05.7440.B1	631	05.7610.74A	626
05.6720.14	408	05.7021.GL	653	05.7157.B1	621	05.7401.74	638	05.7440.GL	631	05.7610.B1A	626
05.6720.14.CB	408	05.7030.74	650	05.7157.GL	621	05.7401.B1	638	05.7441.74	631	05.7610.GLA	626
05.6720.40	408	05.7030.B1	650	05.7200.74	628	05.7401.GL	638	05.7441.B1	631	05.7611.74A	626
05.6720.40.78	408	05.7030.GL	650	05.7200.B1	628	05.7402.74	638	05.7441.GL	631	05.7611.B1A	626
05.6720.40.C6	408	05.7031.74	650	05.7200.GL	628	05.7402.B1	638	05.7442.74	641	05.7611.GLA	626
05.6720.40.CB	408	05.7031.B1	650	05.7201.74	628	05.7402.GL	638	05.7442.B1	641	05.7612.74A	627
05.6721.14	408	05.7031.GL	650	05.7201.B1	628	05.7403.74	638	05.7442.GL	641	05.7612.B1A	627
05.6721.14.CB	408	05.7035.74	652	05.7201.GL	628	05.7403.B1	638	05.7443.74	641	05.7612.GLA	627
05.6721.40	408	05.7035.B1	652	05.7202.74	628	05.7403.GL	638	05.7443.B1	641	05.7613.74A	627
05.6721.40.78	408	05.7035.GL	652	05.7202.B1	628	05.7404.74	638	05.7443.GL	641	05.7613.B1A	627
05.6721.40.C6	408	05.7036.74	652	05.7202.GL	628	05.7404.B1	638	05.7444.74	641	05.7613.GLA	627
05.6721.40.CB	408	05.7036.B1	652	05.7205.74	628	05.7404.GL	638	05.7444.B1	641	05.7615.74A	626
05.6722.14	408	05.7036.GL	652	05.7205.B1	628	05.7405.74	638	05.7444.GL	641	05.7615.B1A	626
05.6722.14.CB	408	05.7040.74	654	05.7205.GL	628	05.7405.B1	638	05.7445.74	641	05.7615.GLA	626
05.6722.40	408	05.7040.B1	654	05.7206.74	628	05.7405.GL	638	05.7445.B1	641	05.7616.74A	626
05.6722.40.78	408	05.7040.GL	654	05.7206.B1	628	05.7406.74	634	05.7445.GL	641	05.7616.B1A	626
05.6722.40.C6	408	05.7041.74	654	05.7206.GL	628	05.7406.B1	634	05.7446.74	631	05.7616.GLA	626
05.6722.40.CB	408	05.7041.B1	654	05.7207.74	628	05.7406.GL	634	05.7446.B1	631	05.7617.74A	627
05.6725.14	409	05.7041.GL	654	05.7207.B1	628	05.7407.74	634	05.7446.GL	631	05.7617.B1A	627
05.6725.14.CB	409	05.7100.74	616	05.7207.GL	628	05.7407.B1	634	05.7447.74	631	05.7617.GLA	627
05.6725.40	409	05.7100.B1	616	05.7210.74	629	05.7407.GL	634	05.7447.B1	631	05.7618.74A	627
05.6725.40.78	409	05.7100.GL	616	05.7210.B1	629	05.7408.74	634	05.7447.GL	631	05.7618.B1A	627
05.6725.40.C6	409	05.7101.74	616	05.7210.GL	629	05.7408.B1	634	05.7450.74	598	05.7618.GLA	627
05.6725.40.CB	409	05.7101.B1	616	05.7211.74	629	05.7408.GL	634	05.7450.B1	598	05.7620.74A	624
05.6726.14	409	05.7101.GL	616	05.7211.B1	629	05.7409.74	634	05.7450.GL	598	05.7620.B1A	624
05.6726.14.CB	409	05.7102.74	616	05.7211.GL	629	05.7409.B1	634	05.7451.74	598	05.7620.GLA	624
05.6726.40	409	05.7102.B1	616	05.7212.74	629	05.7409.GL	634	05.7451.B1	598	05.7621.74A	624
05.6726.40.78	409	05.7102.GL	616	05.7212.B1	629	05.7410.74	598	05.7451.GL	598	05.7621.B1A	624

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.7621.GLA	624	05.8008.14	558	05.8128.40	566	05.8221.14	571	05.8342.40.CB	578	05.8420.14	418
05.7622.74A	625	05.8008.40	558	05.8130.14	568	05.8221.40	571	05.8342.40.DA	578	05.8420.40	418
05.7622.B1A	625	05.8010.14	556	05.8130.40	568	05.8222.14	571	05.8342.40.NI	578	05.8420.EQ	418
05.7622.GLA	625	05.8010.40	556	05.8131.14	568	05.8222.40	571	05.8346.14.1V	578	05.8420.ER	418
05.7623.74A	625	05.8011.14	556	05.8131.40	568	05.8223.14	573	05.8346.14.CB	578	05.8420.ES	418
05.7623.B1A	625	05.8011.40	556	05.8132.14	568	05.8223.40	573	05.8346.14.DA	578	05.8421.14	418
05.7623.GLA	625	05.8012.14	556	05.8132.40	568	05.8224.14	573	05.8346.14.NI	578	05.8421.40	418
05.7625.74A	624	05.8012.40	556	05.8133.14	568	05.8224.40	573	05.8346.40.1V	578	05.8421.EQ	418
05.7625.B1A	624	05.8013.14	557	05.8133.40	568	05.8225.14	573	05.8346.40.CB	578	05.8421.ER	418
05.7625.GLA	624	05.8013.40	557	05.8140.14	570	05.8225.40	573	05.8346.40.DA	578	05.8421.ES	418
05.7626.74A	624	05.8014.14	557	05.8140.40	570	05.8226.14	575	05.8346.40.NI	578	05.8422.14	419
05.7626.B1A	624	05.8014.40	557	05.8141.14	570	05.8226.40	575	05.8347.14.1V	578	05.8422.40	419
05.7626.GLA	624	05.8015.14	557	05.8141.40	570	05.8227.14	575	05.8347.14.CB	578	05.8422.EQ	419
05.7627.74A	625	05.8015.40	557	05.8142.14	570	05.8227.40	575	05.8347.14.DA	578	05.8422.ER	419
05.7627.B1A	625	05.8016.14	558	05.8142.40	570	05.8228.14	575	05.8347.14.NI	578	05.8422.ES	419
05.7627.GLA	625	05.8016.40	558	05.8143.14	570	05.8228.40	575	05.8347.40.1V	578	05.8425.14	418
05.7628.74A	625	05.8017.14	558	05.8143.40	570	05.8230.14	571	05.8347.40.CB	578	05.8425.40	418
05.7628.B1A	625	05.8017.40	558	05.8145.14	572	05.8230.40	571	05.8347.40.DA	578	05.8425.EQ	418
05.7628.GLA	625	05.8018.14	558	05.8145.40	572	05.8231.14	571	05.8347.40.NI	578	05.8425.ER	418
05.7630.74A	626	05.8018.40	558	05.8146.14	572	05.8231.40	571	05.8351.14.1V	579	05.8425.ES	418
05.7630.B1A	626	05.8020.14	559	05.8146.40	572	05.8232.14	571	05.8351.14.CB	579	05.8426.14	418
05.7630.GLA	626	05.8020.40	559	05.8147.14	572	05.8232.40	571	05.8351.14.DA	579	05.8426.40	418
05.7631.74A	626	05.8021.14	559	05.8147.40	572	05.8233.14	573	05.8351.14.NI	579	05.8426.EQ	418
05.7631.B1A	626	05.8021.40	559	05.8148.14	572	05.8233.40	573	05.8351.40.1V	579	05.8426.ER	418
05.7631.GLA	626	05.8022.14	559	05.8148.40	572	05.8234.14	573	05.8351.40.CB	579	05.8426.ES	418
05.7632.74A	627	05.8022.40	559	05.8150.14	574	05.8234.40	573	05.8351.40.DA	579	05.8427.14	419
05.7632.B1A	627	05.8023.14	560	05.8150.40	574	05.8235.14	573	05.8351.40.NI	579	05.8427.40	419
05.7632.GLA	627	05.8023.40	560	05.8151.14	574	05.8235.40	573	05.8352.14.1V	579	05.8427.EQ	419
05.7633.74A	627	05.8024.14	560	05.8151.40	574	05.8236.14	575	05.8352.14.CB	579	05.8427.ER	419
05.7633.B1A	627	05.8024.40	560	05.8152.14	574	05.8236.40	575	05.8352.14.DA	579	05.8427.ES	419
05.7633.GLA	627	05.8025.14	560	05.8152.40	574	05.8237.14	575	05.8352.14.NI	579	05.8450.14	429
05.7635.74A	626	05.8025.40	560	05.8153.14	574	05.8237.40	575	05.8352.40.1V	579	05.8450.40	429
05.7635.B1A	626	05.8026.14	561	05.8153.40	574	05.8238.14	575	05.8352.40.CB	579	05.8451.14	429
05.7635.GLA	626	05.8026.40	561	05.8160.14	570	05.8238.40	575	05.8352.40.DA	579	05.8451.40	429
05.7636.74A	626	05.8027.14	561	05.8160.40	570	05.8301.14.1V	576	05.8352.40.NI	579	05.8452.14	429
05.7636.B1A	626	05.8027.40	561	05.8161.14	570	05.8301.14.CB	576	05.8400.14	418	05.8452.40	429
05.7636.GLA	626	05.8028.14	561	05.8161.40	570	05.8301.14.DA	576	05.8400.40	418	05.8453.14	429
05.7637.74A	627	05.8028.40	561	05.8162.14	570	05.8301.14.NI	576	05.8400.EQ	418	05.8453.40	429
05.7637.B1A	627	05.8030.14	559	05.8162.40	570	05.8301.40.1V	576	05.8400.ER	418	05.8454.14	429
05.7637.GLA	627	05.8030.40	559	05.8163.14	570	05.8301.40.CB	576	05.8400.ES	418	05.8454.40	429
05.7638.74A	627	05.8031.14	559	05.8163.40	570	05.8301.40.DA	576	05.8401.14	418	05.8455.14	429
05.7638.B1A	627	05.8031.40	559	05.8165.14	572	05.8301.40.NI	576	05.8401.40	418	05.8455.40	429
05.7638.GLA	627	05.8032.14	559	05.8165.40	572	05.8302.14.1V	576	05.8401.EQ	418	05.8456.14	429
05.7700.74	630	05.8032.40	559	05.8166.14	572	05.8302.14.CB	576	05.8401.ER	418	05.8456.40	429
05.7700.B1	630	05.8033.14	560	05.8166.40	572	05.8302.14.DA	576	05.8401.ES	418	05.8457.14	429
05.7700.GL	630	05.8033.40	560	05.8167.14	572	05.8302.14.NI	576	05.8402.14	419	05.8457.40	429
05.7701.74	630	05.8034.14	560	05.8167.40	572	05.8302.40.1V	576	05.8402.40	419	05.8458.14	429
05.7701.B1	630	05.8034.40	560	05.8168.14	572	05.8302.40.CB	576	05.8402.EQ	419	05.8458.40	429
05.7701.GL	630	05.8035.14	560	05.8168.40	572	05.8302.40.DA	576	05.8402.ER	419	05.8459.14	429
05.7702.74	630	05.8035.40	560	05.8170.14	574	05.8302.40.NI	576	05.8402.ES	419	05.8459.40	429
05.7702.B1	630	05.8036.14	561	05.8170.40	574	05.8306.14.1V	576	05.8405.14	418	05.8460.14	429
05.7702.GL	630	05.8036.40	561	05.8171.14	574	05.8306.14.CB	576	05.8405.40	418	05.8460.40	429
05.7705.74	630	05.8037.14	561	05.8171.40	574	05.8306.14.DA	576	05.8405.EQ	418	05.8461.14	429
05.7705.B1	630	05.8037.40	561	05.8172.14	574	05.8306.14.NI	576	05.8405.ER	418	05.8461.40	429
05.7705.GL	630	05.8038.14	561	05.8172.40	574	05.8306.40.1V	576	05.8405.ES	418	05.8462.14	429
05.7706.74	630	05.8038.40	561	05.8173.14	574	05.8306.40.CB	576	05.8406.14	418	05.8462.40	429
05.7706.B1	630	05.8100.14	564	05.8173.40	574	05.8306.40.DA	576	05.8406.40	418	05.8463.14	429
05.7706.GL	630	05.8100.40	564	05.8200.14	565	05.8306.40.NI	576	05.8406.EQ	418	05.8463.40	429
05.7707.74	630	05.8101.14	564	05.8200.40	565	05.8307.14.1V	576	05.8406.ER	418	05.8464.14	429
05.7707.B1	630	05.8101.40	564	05.8201.14	565	05.8307.14.CB	576	05.8406.ES	418	05.8464.40	429
05.7707.GL	630	05.8102.14	564	05.8201.40	565	05.8307.14.DA	576	05.8407.14	419	05.8470.14	429
05.7710.74	631	05.8102.40	564	05.8202.14	565	05.8307.14.NI	576	05.8407.40	419	05.8470.40	429
05.7710.B1	631	05.8103.14	564	05.8202.40	565	05.8307.40.1V	576	05.8407.EQ	419	05.8471.14	429
05.7710.GL	631	05.8103.40	564	05.8203.14	567	05.8307.40.CB	576	05.8407.ER	419	05.8471.40	429
05.7711.74	631	05.8105.14	566	05.8203.40	567	05.8307.40.DA	576	05.8407.ES	419	05.8472.14	429
05.7711.B1	631	05.8105.40	566	05.8204.14	567	05.8307.40.NI	576	05.8410.14	418	05.8472.40	429
05.7711.GL	631	05.8106.14	566	05.8204.40	567	05.8311.14.1V	577	05.8410.40	418	05.8473.14	429
05.7712.74	631	05.8106.40	566	05.8205.14	567	05.8311.14.CB	577	05.8410.EQ	418	05.8473.40	429
05.7712.B1	631	05.8107.14	566	05.8205.40	567	05.8311.14.DA	577	05.8410.ER	418	05.8474.14	429
05.7712.GL	631	05.8107.40	566	05.8206.14	569	05.8311.14.NI	577	05.8410.ES	418	05.8474.40	429
05.7715.74	631	05.8108.14	566	05.8206.40	569	05.8311.40.1V	577	05.8411.14	418	05.8475.14	429
05.7715.B1	631	05.8108.40	566	05.8207.14	569	05.8311.40.CB	577	05.8411.40	418	05.8475.40	429
05.7715.GL	631	05.8110.14	568	05.8207.40	569	05.8311.40.DA	577	05.8411.EQ	418	05.8476.14	429
05.7716.74	631	05.8110.40	568	05.8208.14	569	05.8311.40.NI	577	05.8411.ER	418	05.8476.40	429
05.7716.B1	631	05.8111.14	568	05.8208.40	569	05.8312.14.1V	577	05.8411.ES	418	05.8477.14	429
05.7716.GL	631	05.8111.40	568	05.8210.14	565	05.8312.14.CB	577	05.8412.14	419	05.8477.40	429
05.7717.74	631	05.8112.14	568	05.8210.40	565	05.8312.14.DA	577	05.8412.40	419	05.8478.14	429
05.7717.B1	631	05.8112.40	568	05.8211.14	565	05.8312.14.NI	577	05.8412.EQ	419	05.8478.40	429
05.7717.GL	631	05.8113.14	568	05.8211.40	565	05.8312.40.1V	577	05.8412.ER	419	05.8479.14	429
05.8000.14	556	05.8113.40	568	05.8212.14	565	05.8312.40.CB	577	05.8412.ES	419	05.8479.40	429
05.8000.40	556	05.8120.14	564	05.8212.40	565	05.8312.40.DA	577	05.8415.14	418	05.8480.14	429
05.8001.14	556	05.8120.40	564	05.8213.14	567	05.8312.40.NI	577	05.8415.40	418	05.8480.40	429
05.8001.40	556	05.8121.14	564	05.8213.40	567	05.8341.14.1V	578	05.8415.EQ	418	05.8481.14	429
05.8002.14	556	05.8121.40	564	05.8214.14	567	05.8341.14.CB	578	05.8415.ER	418	05.8481.40	429
05.8002.40	556	05.8122.14	564	05.8214.40	567	05.8341.14.DA	578	05.8415.ES	418	05.8482.14	429
05.8003.14	557	05.8122.40	564	05.8215.14	567	05.8341.14.NI	578	05.8416.14	418	05.8482.40	429
05.8003.40	557	05.8123.14	564	05.8215.40	567	05.8341.40.1V	578	05.8416.40	418	05.8483.14	429
05.8004.14	557	05.8123.40	564	05.8216.14	569	05.8341.40.CB	578	05.8416.EQ	418	05.8483.40	429
05.8004.40	557	05.8125.14	566	05.8216.40	569	05.8341.40.DA	578	05.8416.ER	418	05.8484.14	429
05.8005.14	557	05.8125.40	566	05.8217.14	569	05.8341.40.NI	578	05.8416.ES	418	05.8484.40	429
05.8005.40	557	05.8126.14	566	05.8217.40	569	05.8342.14.1V	578	05.8417.14	419	05.8500.14	420
05.8006.14	558	05.8126.40	566	05.8218.14	569	05.8342.14.CB	578	05.8417.40	419	05.8500.40	420
05.8006.40	558	05.8127.14	566	05.8218.40	569	05.8342.14.DA	578	05.8417.EQ	419	05.8501.14	420
05.8007.14	558	05.8127.40	566	05.8220.14	571	05.8342.14.NI	578	05.8417.ER	419	05.8501.40	420
05.8007.40	558	05.8128.14	566	05.8220.40	571	05.8342.40.1V	578	05.8417.ES	419	05.8502.14	420

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.8502.40	420	05.8565.14	421	05.8647.40	423	05.8730.14	424	05.8812.40	426	05.9000.14	96
05.8503.14	420	05.8565.40	421	05.8648.14	423	05.8730.40	424	05.8813.14	426	05.9000.14	256
05.8503.40	420	05.8566.14	421	05.8648.40	423	05.8731.14	424	05.8813.40	426	05.9000.14.1V	96
05.8504.14	420	05.8566.40	421	05.8649.14	423	05.8731.40	424	05.8814.14	426	05.9000.14.1V	256
05.8504.40	420	05.8567.14	421	05.8649.40	423	05.8732.14	424	05.8814.40	426	05.9000.14.CB	96
05.8505.14	420	05.8567.40	421	05.8650.14	423	05.8732.40	424	05.8820.14	426	05.9000.14.CB	256
05.8505.40	420	05.8568.14	421	05.8650.40	423	05.8733.14	424	05.8820.40	426	05.9000.14.DA	96
05.8506.14	420	05.8568.40	421	05.8651.14	423	05.8733.40	424	05.8821.14	426	05.9000.14.DA	256
05.8506.40	420	05.8569.14	421	05.8651.40	423	05.8734.14	424	05.8821.40	426	05.9000.40	96
05.8507.14	420	05.8569.40	421	05.8652.14	423	05.8734.40	424	05.8822.14	426	05.9000.40	256
05.8507.40	420	05.8570.14	421	05.8652.40	423	05.8740.14	425	05.8822.40	426	05.9000.40.1V	96
05.8508.14	420	05.8570.40	421	05.8653.14	423	05.8740.40	425	05.8823.14	426	05.9000.40.1V	256
05.8508.40	420	05.8571.14	421	05.8653.40	423	05.8741.14	425	05.8823.40	426	05.9000.40.CB	96
05.8509.14	420	05.8571.40	421	05.8654.14	423	05.8741.40	425	05.8824.14	426	05.9000.40.CB	256
05.8509.40	420	05.8572.14	421	05.8654.40	423	05.8742.14	425	05.8824.40	426	05.9000.40.DA	96
05.8510.14	420	05.8572.40	421	05.8660.14	423	05.8742.40	425	05.8825.14	426	05.9000.40.DA	256
05.8510.40	420	05.8573.14	421	05.8660.40	423	05.8743.14	425	05.8825.40	426	05.9000.EQ	96
05.8511.14	420	05.8573.40	421	05.8661.14	423	05.8743.40	425	05.8826.14	426	05.9000.EQ	256
05.8511.40	420	05.8574.14	421	05.8661.40	423	05.8744.14	425	05.8826.40	426	05.9000.EQ.1V	96
05.8512.14	420	05.8574.40	421	05.8662.14	423	05.8744.40	425	05.8827.14	426	05.9000.EQ.1V	256
05.8512.40	420	05.8600.14	422	05.8662.40	423	05.8745.14	425	05.8827.40	426	05.9000.EQ.CB	96
05.8513.14	420	05.8600.40	422	05.8663.14	423	05.8745.40	425	05.8828.14	426	05.9000.EQ.CB	256
05.8513.40	420	05.8601.14	422	05.8663.40	423	05.8746.14	425	05.8828.40	426	05.9000.EQ.DA	96
05.8514.14	420	05.8601.40	422	05.8664.14	423	05.8746.40	425	05.8829.14	426	05.9000.EQ.DA	256
05.8514.40	420	05.8602.14	422	05.8664.40	423	05.8747.14	425	05.8829.40	426	05.9000.ER	96
05.8520.14	420	05.8602.40	422	05.8665.14	423	05.8747.40	425	05.8830.14	426	05.9000.ER	256
05.8520.40	420	05.8603.14	422	05.8665.40	423	05.8748.14	425	05.8830.40	426	05.9000.ER.1V	96
05.8521.14	420	05.8603.40	422	05.8666.14	423	05.8748.40	425	05.8831.14	426	05.9000.ER.1V	256
05.8521.40	420	05.8604.14	422	05.8666.40	423	05.8749.14	425	05.8831.40	426	05.9000.ER.CB	96
05.8522.14	420	05.8604.40	422	05.8667.14	423	05.8749.40	425	05.8832.14	426	05.9000.ER.CB	256
05.8522.40	420	05.8605.14	422	05.8667.40	423	05.8750.14	425	05.8832.40	426	05.9000.ER.DA	96
05.8523.14	420	05.8605.40	422	05.8668.14	423	05.8750.40	425	05.8833.14	426	05.9000.ER.DA	256
05.8523.40	420	05.8606.14	422	05.8668.40	423	05.8751.14	425	05.8833.40	426	05.9000.ES	96
05.8524.14	420	05.8606.40	422	05.8669.14	423	05.8751.40	425	05.8834.14	426	05.9000.ES	256
05.8524.40	420	05.8607.14	422	05.8669.40	423	05.8752.14	425	05.8834.40	426	05.9000.ES.1V	96
05.8525.14	420	05.8607.40	422	05.8670.14	423	05.8752.40	425	05.8840.14	427	05.9000.ES.1V	256
05.8525.40	420	05.8608.14	422	05.8670.40	423	05.8753.14	425	05.8840.40	427	05.9000.ES.CB	96
05.8526.14	420	05.8608.40	422	05.8671.14	423	05.8753.40	425	05.8841.14	427	05.9000.ES.CB	256
05.8526.40	420	05.8609.14	422	05.8671.40	423	05.8754.14	425	05.8841.40	427	05.9000.ES.DA	96
05.8527.14	420	05.8609.40	422	05.8672.14	423	05.8754.40	425	05.8842.14	427	05.9000.ES.DA	256
05.8527.40	420	05.8610.14	422	05.8672.40	423	05.8760.14	425	05.8842.40	427	05.9001.14	96
05.8528.14	420	05.8610.40	422	05.8673.14	423	05.8760.40	425	05.8843.14	427	05.9001.14	256
05.8528.40	420	05.8611.14	422	05.8673.40	423	05.8761.14	425	05.8843.40	427	05.9001.14.1V	96
05.8529.14	420	05.8611.40	422	05.8674.14	423	05.8761.40	425	05.8844.14	427	05.9001.14.1V	256
05.8529.40	420	05.8612.14	422	05.8674.40	423	05.8762.14	425	05.8844.40	427	05.9001.14.CB	96
05.8530.14	420	05.8612.40	422	05.8700.14	424	05.8762.40	425	05.8845.14	427	05.9001.14.CB	256
05.8530.40	420	05.8613.14	422	05.8700.40	424	05.8763.14	425	05.8845.40	427	05.9001.14.DA	96
05.8531.14	420	05.8613.40	422	05.8701.14	424	05.8763.40	425	05.8846.14	427	05.9001.14.DA	256
05.8531.40	420	05.8614.14	422	05.8701.40	424	05.8764.14	425	05.8846.40	427	05.9001.40	96
05.8532.14	420	05.8614.40	422	05.8702.14	424	05.8764.40	425	05.8847.14	427	05.9001.40	256
05.8532.40	420	05.8620.14	422	05.8702.40	424	05.8765.14	425	05.8847.40	427	05.9001.40.1V	96
05.8533.14	420	05.8620.40	422	05.8703.14	424	05.8765.40	425	05.8848.14	427	05.9001.40.1V	256
05.8533.40	420	05.8621.14	422	05.8703.40	424	05.8766.14	425	05.8848.40	427	05.9001.40.CB	96
05.8534.14	420	05.8621.40	422	05.8704.14	424	05.8766.40	425	05.8849.14	427	05.9001.40.CB	256
05.8534.40	420	05.8622.14	422	05.8704.40	424	05.8767.14	425	05.8849.40	427	05.9001.40.DA	96
05.8540.14	421	05.8622.40	422	05.8705.14	424	05.8767.40	425	05.8850.14	427	05.9001.40.DA	256
05.8540.40	421	05.8623.14	422	05.8705.40	424	05.8768.14	425	05.8850.40	427	05.9001.EQ	96
05.8541.14	421	05.8623.40	422	05.8706.14	424	05.8768.40	425	05.8851.14	427	05.9001.EQ	256
05.8541.40	421	05.8624.14	422	05.8706.40	424	05.8769.14	425	05.8851.40	427	05.9001.EQ.1V	96
05.8542.14	421	05.8624.40	422	05.8707.14	424	05.8769.40	425	05.8852.14	427	05.9001.EQ.1V	256
05.8542.40	421	05.8625.14	422	05.8707.40	424	05.8770.14	425	05.8852.40	427	05.9001.EQ.CB	96
05.8543.14	421	05.8625.40	422	05.8708.14	424	05.8770.40	425	05.8853.14	427	05.9001.EQ.CB	256
05.8543.40	421	05.8626.14	422	05.8708.40	424	05.8771.14	425	05.8853.40	427	05.9001.EQ.DA	96
05.8544.14	421	05.8626.40	422	05.8709.14	424	05.8771.40	425	05.8854.14	427	05.9001.EQ.DA	256
05.8544.40	421	05.8627.14	422	05.8709.40	424	05.8772.14	425	05.8854.40	427	05.9001.ER	96
05.8545.14	421	05.8627.40	422	05.8710.14	424	05.8772.40	425	05.8860.14	427	05.9001.ER	256
05.8545.40	421	05.8628.14	422	05.8710.40	424	05.8773.14	425	05.8860.40	427	05.9001.ER.1V	96
05.8546.14	421	05.8628.40	422	05.8711.14	424	05.8773.40	425	05.8861.14	427	05.9001.ER.1V	256
05.8546.40	421	05.8629.14	422	05.8711.40	424	05.8774.14	425	05.8861.40	427	05.9001.ER.CB	96
05.8547.14	421	05.8629.40	422	05.8712.14	424	05.8774.40	425	05.8862.14	427	05.9001.ER.CB	256
05.8547.40	421	05.8630.14	422	05.8712.40	424	05.8800.14	426	05.8862.40	427	05.9001.ER.DA	96
05.8548.14	421	05.8630.40	422	05.8713.14	424	05.8800.40	426	05.8863.14	427	05.9001.ER.DA	256
05.8548.40	421	05.8631.14	422	05.8713.40	424	05.8801.14	426	05.8863.40	427	05.9001.ES	96
05.8549.14	421	05.8631.40	422	05.8714.14	424	05.8801.40	426	05.8864.14	427	05.9001.ES	256
05.8549.40	421	05.8632.14	422	05.8714.40	424	05.8802.14	426	05.8864.40	427	05.9001.ES.1V	96
05.8550.14	421	05.8632.40	422	05.8720.14	424	05.8802.40	426	05.8865.14	427	05.9001.ES.1V	256
05.8550.40	421	05.8633.14	422	05.8720.40	424	05.8803.14	426	05.8865.40	427	05.9001.ES.CB	96
05.8551.14	421	05.8633.40	422	05.8721.14	424	05.8803.40	426	05.8866.14	427	05.9001.ES.CB	256
05.8551.40	421	05.8634.14	422	05.8721.40	424	05.8804.14	426	05.8866.40	427	05.9001.ES.DA	96
05.8552.14	421	05.8634.40	422	05.8722.14	424	05.8804.40	426	05.8867.14	427	05.9001.ES.DA	256
05.8552.40	421	05.8640.14	423	05.8722.40	424	05.8805.14	426	05.8867.40	427	05.9002.14	97
05.8553.14	421	05.8640.40	423	05.8723.14	424	05.8805.40	426	05.8868.14	427	05.9002.14	257
05.8553.40	421	05.8641.14	423	05.8723.40	424	05.8806.14	426	05.8868.40	427	05.9002.14.1V	97
05.8554.14	421	05.8641.40	423	05.8724.14	424	05.8806.40	426	05.8869.14	427	05.9002.14.1V	257
05.8554.40	421	05.8642.14	423	05.8724.40	424	05.8807.14	426	05.8869.40	427	05.9002.14.CB	97
05.8560.14	421	05.8642.40	423	05.8725.14	424	05.8807.40	426	05.8870.14	427	05.9002.14.CB	257
05.8560.40	421	05.8643.14	423	05.8725.40	424	05.8808.14	426	05.8870.40	427	05.9002.14.DA	97
05.8561.14	421	05.8643.40	423	05.8726.14	424	05.8808.40	426	05.8871.14	427	05.9002.14.DA	257
05.8561.40	421	05.8644.14	423	05.8726.40	424	05.8809.14	426	05.8871.40	427	05.9002.40	97
05.8562.14	421	05.8644.40	423	05.8727.14	424	05.8809.40	426	05.8872.14	427	05.9002.40	257
05.8562.40	421	05.8645.14	423	05.8727.40	424	05.8810.14	426	05.8872.40	427	05.9002.40.1V	97
05.8563.14	421	05.8645.40	423	05.8728.14	424	05.8810.40	426	05.8873.14	427	05.9002.40.1V	257
05.8563.40	421	05.8646.14	423	05.8728.40	424	05.8811.14	426	05.8873.40	427	05.9002.40.CB	97
05.8564.14	421	05.8646.40	423	05.8729.14	424	05.8811.40	426	05.8874.14	427	05.9002.40.CB	257
05.8564.40	421	05.8647.14	423	05.8729.40	424	05.8812.14	426	05.8874.40	427	05.9002.40.DA	97

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05.9002.EQ	97	05.9005.ER.DA	256	05.9008.14.DA	97	05.9031.EQ.CB	258	05.9035.ES.CB	98	05.9060.40.1V	260
05.9002.EQ	257	05.9005.ES	96	05.9008.14.DA	257	05.9031.EQ.DA	98	05.9035.ES.CB	258	05.9060.40.CB	100
05.9002.EQ.1V	97	05.9005.ES	256	05.9008.40	97	05.9031.EQ.DA	258	05.9035.ES.DA	98	05.9060.40.CB	260
05.9002.EQ.1V	257	05.9005.ES.1V	96	05.9008.40	257	05.9031.ER	98	05.9035.ES.DA	258	05.9060.40.DA	100
05.9002.EQ.CB	97	05.9005.ES.1V	256	05.9008.40.1V	97	05.9031.ER	258	05.9036.14	98	05.9060.40.DA	260
05.9002.EQ.CB	257	05.9005.ES.CB	96	05.9008.40.1V	257	05.9031.ER.1V	98	05.9036.14	258	05.9060.EQ	100
05.9002.EQ.DA	97	05.9005.ES.CB	256	05.9008.40.CB	97	05.9031.ER.1V	258	05.9036.14.1V	98	05.9060.EQ	260
05.9002.EQ.DA	257	05.9005.ES.DA	96	05.9008.40.CB	257	05.9031.ER.CB	98	05.9036.14.1V	258	05.9060.EQ.1V	100
05.9002.ER	97	05.9005.ES.DA	256	05.9008.40.DA	97	05.9031.ER.CB	258	05.9036.14.CB	98	05.9060.EQ.1V	260
05.9002.ER	257	05.9006.14	96	05.9008.40.DA	257	05.9031.ER.DA	98	05.9036.14.CB	258	05.9060.EQ.CB	100
05.9002.ER.1V	97	05.9006.14	256	05.9008.EQ	97	05.9031.ER.DA	258	05.9036.14.DA	98	05.9060.EQ.CB	260
05.9002.ER.1V	257	05.9006.14.1V	96	05.9008.EQ	257	05.9031.ES	98	05.9036.14.DA	258	05.9060.EQ.DA	100
05.9002.ER.CB	97	05.9006.14.1V	256	05.9008.EQ.1V	97	05.9031.ES	258	05.9036.40	98	05.9060.EQ.DA	260
05.9002.ER.CB	257	05.9006.14.CB	96	05.9008.EQ.1V	257	05.9031.ES.1V	98	05.9036.40	258	05.9060.ER	100
05.9002.ER.DA	97	05.9006.14.CB	256	05.9008.EQ.CB	97	05.9031.ES.1V	258	05.9036.40.1V	98	05.9060.ER	260
05.9002.ER.DA	257	05.9006.14.DA	96	05.9008.EQ.CB	257	05.9031.ES.CB	98	05.9036.40.1V	258	05.9060.ER.1V	100
05.9002.ES	97	05.9006.14.DA	256	05.9008.EQ.DA	97	05.9031.ES.CB	258	05.9036.40.CB	98	05.9060.ER.1V	260
05.9002.ES	257	05.9006.40	96	05.9008.EQ.DA	257	05.9031.ES.DA	98	05.9036.40.CB	258	05.9060.ER.CB	100
05.9002.ES.1V	97	05.9006.40	256	05.9008.ER	97	05.9031.ES.DA	258	05.9036.40.DA	98	05.9060.ER.CB	260
05.9002.ES.1V	257	05.9006.40.1V	96	05.9008.ER	257	05.9032.14	99	05.9036.40.DA	258	05.9060.ER.DA	100
05.9002.ES.CB	97	05.9006.40.1V	256	05.9008.ER.1V	97	05.9032.14	259	05.9036.EQ	98	05.9060.ER.DA	260
05.9002.ES.CB	257	05.9006.40.CB	96	05.9008.ER.1V	257	05.9032.14.1V	99	05.9036.EQ	258	05.9060.ES	100
05.9002.ES.DA	97	05.9006.40.CB	256	05.9008.ER.CB	97	05.9032.14.1V	259	05.9036.EQ.1V	98	05.9060.ES	260
05.9002.ES.DA	257	05.9006.40.DA	96	05.9008.ER.CB	257	05.9032.14.CB	99	05.9036.EQ.1V	258	05.9060.ES.1V	100
05.9003.14	97	05.9006.40.DA	256	05.9008.ER.DA	97	05.9032.14.CB	259	05.9036.EQ.CB	98	05.9060.ES.1V	260
05.9003.14	257	05.9006.EQ	96	05.9008.ER.DA	257	05.9032.14.DA	99	05.9036.EQ.CB	258	05.9060.ES.CB	100
05.9003.14.1V	97	05.9006.EQ	256	05.9008.ES	97	05.9032.14.DA	259	05.9036.EQ.DA	98	05.9060.ES.CB	260
05.9003.14.1V	257	05.9006.EQ.1V	96	05.9008.ES	257	05.9032.40	99	05.9036.EQ.DA	258	05.9060.ES.DA	100
05.9003.14.CB	97	05.9006.EQ.1V	256	05.9008.ES.1V	97	05.9032.40	259	05.9036.ER	98	05.9060.ES.DA	260
05.9003.14.CB	257	05.9006.EQ.CB	96	05.9008.ES.1V	257	05.9032.40.1V	99	05.9036.ER	258	05.9061.14	100
05.9003.14.DA	97	05.9006.EQ.CB	256	05.9008.ES.CB	97	05.9032.40.1V	259	05.9036.ER.1V	98	05.9061.14	260
05.9003.14.DA	257	05.9006.EQ.DA	96	05.9008.ES.CB	257	05.9032.40.CB	99	05.9036.ER.1V	258	05.9061.14.1V	100
05.9003.40	97	05.9006.EQ.DA	256	05.9008.ES.DA	97	05.9032.40.CB	259	05.9036.ER.CB	98	05.9061.14.1V	260
05.9003.40	257	05.9006.ER	96	05.9008.ES.DA	257	05.9032.40.DA	99	05.9036.ER.CB	258	05.9061.14.CB	100
05.9003.40.1V	97	05.9006.ER	256	05.9030.14	98	05.9032.40.DA	259	05.9036.ER.DA	98	05.9061.14.CB	260
05.9003.40.1V	257	05.9006.ER.1V	96	05.9030.14	258	05.9032.EQ	99	05.9036.ER.DA	258	05.9061.14.DA	100
05.9003.40.CB	97	05.9006.ER.1V	256	05.9030.14.1V	98	05.9032.EQ	259	05.9036.ES	98	05.9061.14.DA	260
05.9003.40.CB	257	05.9006.ER.CB	96	05.9030.14.1V	258	05.9032.EQ.1V	99	05.9036.ES	258	05.9061.40	100
05.9003.40.DA	97	05.9006.ER.CB	256	05.9030.14.CB	98	05.9032.EQ.1V	259	05.9036.ES.1V	98	05.9061.40	260
05.9003.40.DA	257	05.9006.ER.DA	96	05.9030.14.CB	258	05.9032.EQ.CB	99	05.9036.ES.1V	258	05.9061.40.1V	100
05.9003.EQ	97	05.9006.ER.DA	256	05.9030.14.DA	98	05.9032.EQ.CB	259	05.9036.ES.CB	98	05.9061.40.1V	260
05.9003.EQ	257	05.9006.ES	96	05.9030.14.DA	258	05.9032.EQ.DA	99	05.9036.ES.CB	258	05.9061.40.CB	100
05.9003.EQ.1V	97	05.9006.ES	256	05.9030.40	98	05.9032.EQ.DA	259	05.9036.ES.DA	98	05.9061.40.CB	260
05.9003.EQ.1V	257	05.9006.ES.1V	96	05.9030.40	258	05.9032.ER	99	05.9036.ES.DA	258	05.9061.40.DA	100
05.9003.EQ.CB	97	05.9006.ES.1V	256	05.9030.40.1V	98	05.9032.ER	259	05.9037.14	99	05.9061.40.DA	260
05.9003.EQ.CB	257	05.9006.ES.CB	96	05.9030.40.1V	258	05.9032.ER.1V	99	05.9037.14	259	05.9061.EQ	100
05.9003.EQ.DA	97	05.9006.ES.CB	256	05.9030.40.CB	98	05.9032.ER.1V	259	05.9037.14.1V	99	05.9061.EQ	260
05.9003.EQ.DA	257	05.9006.ES.DA	96	05.9030.40.CB	258	05.9032.ER.CB	99	05.9037.14.1V	259	05.9061.EQ.1V	100
05.9003.ER	97	05.9006.ES.DA	256	05.9030.40.DA	98	05.9032.ER.CB	259	05.9037.14.CB	99	05.9061.EQ.1V	260
05.9003.ER	257	05.9007.14	97	05.9030.40.DA	258	05.9032.ER.DA	99	05.9037.14.CB	259	05.9061.EQ.CB	100
05.9003.ER.1V	97	05.9007.14	257	05.9030.EQ	98	05.9032.ER.DA	259	05.9037.14.DA	99	05.9061.EQ.CB	260
05.9003.ER.1V	257	05.9007.14.1V	97	05.9030.EQ	258	05.9032.ES	99	05.9037.14.DA	259	05.9061.EQ.DA	100
05.9003.ER.CB	97	05.9007.14.1V	257	05.9030.EQ.1V	98	05.9032.ES	259	05.9037.40	99	05.9061.EQ.DA	260
05.9003.ER.CB	257	05.9007.14.CB	97	05.9030.EQ.1V	258	05.9032.ES.1V	99	05.9037.40	259	05.9061.ER	100
05.9003.ER.DA	97	05.9007.14.CB	257	05.9030.EQ.CB	98	05.9032.ES.1V	259	05.9037.40.1V	99	05.9061.ER	260
05.9003.ER.DA	257	05.9007.14.DA	97	05.9030.EQ.CB	258	05.9032.ES.CB	99	05.9037.40.1V	259	05.9061.ER.1V	100
05.9003.ES	97	05.9007.14.DA	257	05.9030.EQ.DA	98	05.9032.ES.CB	259	05.9037.40.CB	99	05.9061.ER.1V	260
05.9003.ES	257	05.9007.40	97	05.9030.EQ.DA	258	05.9032.ES.DA	99	05.9037.40.CB	259	05.9061.ER.CB	100
05.9003.ES.1V	97	05.9007.40	257	05.9030.ER	98	05.9032.ES.DA	259	05.9037.40.DA	99	05.9061.ER.CB	260
05.9003.ES.1V	257	05.9007.40.1V	97	05.9030.ER	258	05.9035.14	98	05.9037.40.DA	259	05.9061.ER.DA	100
05.9003.ES.CB	97	05.9007.40.1V	257	05.9030.ER.1V	98	05.9035.14	258	05.9037.EQ	99	05.9061.ER.DA	260
05.9003.ES.CB	257	05.9007.40.CB	97	05.9030.ER.1V	258	05.9035.14.1V	98	05.9037.EQ	259	05.9061.ES	100
05.9003.ES.DA	97	05.9007.40.CB	257	05.9030.ER.CB	98	05.9035.14.1V	258	05.9037.EQ.1V	99	05.9061.ES	260
05.9003.ES.DA	257	05.9007.40.DA	97	05.9030.ER.CB	258	05.9035.14.CB	98	05.9037.EQ.1V	259	05.9061.ES.1V	100
05.9005.14	96	05.9007.40.DA	257	05.9030.ER.DA	98	05.9035.14.CB	258	05.9037.EQ.CB	99	05.9061.ES.1V	260
05.9005.14	256	05.9007.EQ	97	05.9030.ER.DA	258	05.9035.14.DA	98	05.9037.EQ.CB	259	05.9061.ES.CB	100
05.9005.14.1V	96	05.9007.EQ	257	05.9030.ES	98	05.9035.14.DA	258	05.9037.EQ.DA	99	05.9061.ES.CB	260
05.9005.14.1V	256	05.9007.EQ.1V	97	05.9030.ES	258	05.9035.40	98	05.9037.EQ.DA	259	05.9061.ES.DA	100
05.9005.14.CB	96	05.9007.EQ.1V	257	05.9030.ES.1V	98	05.9035.40	258	05.9037.ER	99	05.9061.ES.DA	260
05.9005.14.CB	256	05.9007.EQ.CB	97	05.9030.ES.1V	258	05.9035.40.1V	98	05.9037.ER	259	05.9062.14	101
05.9005.14.DA	96	05.9007.EQ.CB	257	05.9030.ES.CB	98	05.9035.40.1V	258	05.9037.ER.1V	99	05.9062.14	261
05.9005.14.DA	256	05.9007.EQ.DA	97	05.9030.ES.CB	258	05.9035.40.CB	98	05.9037.ER.1V	259	05.9062.14.1V	101
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05.9005.40	256	05.9007.ER	97	05.9030.ES.DA	258	05.9035.40.DA	98	05.9037.ER.CB	259	05.9062.14.CB	101
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05.9005.40.1V	256	05.9007.ER.1V	97	05.9031.14	258	05.9035.EQ	98	05.9037.ER.DA	259	05.9062.14.DA	101
05.9005.40.CB	96	05.9007.ER.1V	257	05.9031.14.1V	98	05.9035.EQ	258	05.9037.ES	99	05.9062.14.DA	261
05.9005.40.CB	256	05.9007.ER.CB	97	05.9031.14.1V	258	05.9035.EQ.1V	98	05.9037.ES	259	05.9062.40	101
05.9005.40.DA	96	05.9007.ER.CB	257	05.9031.14.CB	98	05.9035.EQ.1V	258	05.9037.ES.1V	99	05.9062.40	261
05.9005.40.DA	256	05.9007.ER.DA	97	05.9031.14.CB	258	05.9035.EQ.CB	98	05.9037.ES.1V	259	05.9062.40.1V	101
05.9005.EQ	96	05.9007.ER.DA	257	05.9031.14.DA	98	05.9035.EQ.CB	258	05.9037.ES.CB	99	05.9062.40.1V	261
05.9005.EQ	256	05.9007.ES	97	05.9031.14.DA	258	05.9035.EQ.DA	98	05.9037.ES.CB	259	05.9062.40.CB	101
05.9005.EQ.1V	96	05.9007.ES	257	05.9031.40	98	05.9035.EQ.DA	258	05.9037.ES.DA	99	05.9062.40.CB	261
05.9005.EQ.1V	256	05.9007.ES.1V	97	05.9031.40	258	05.9035.ER	98	05.9037.ES.DA	259	05.9062.40.DA	101
05.9005.EQ.CB	96	05.9007.ES.1V	257	05.9031.40.1V	98	05.9035.ER	258	05.9060.14	100	05.9062.40.DA	261
05.9005.EQ.CB	256	05.9007.ES.CB	97	05.9031.40.1V	258	05.9035.ER.1V	98	05.9060.14	260	05.9062.EQ	101
05.9005.EQ.DA	96	05.9007.ES.CB	257	05.9031.40.CB	98	05.9035.ER.1V	258	05.9060.14.1V	100	05.9062.EQ	261
05.9005.EQ.DA	256	05.9007.ES.DA	97	05.9031.40.CB	258	05.9035.ER.CB	98	05.9060.14.1V	260	05.9062.EQ.1V	101
05.9005.ER	96	05.9007.ES.DA	257	05.9031.40.DA	98	05.9035.ER.CB	258	05.9060.14.CB	100	05.9062.EQ.1V	261
05.9005.ER	256	05.9008.14	97	05.9031.40.DA	258	05.9035.ER.DA	98	05.9060.14.CB	260	05.9062.EQ.CB	101
05.9005.ER.1V	96	05.9008.14	257	05.9031.EQ	98	05.9035.ER.DA	258	05.9060.14.DA	100	05.9062.EQ.CB	261
05.9005.ER.1V	256	05.9008.14.1V	97	05.9031.EQ	258	05.9035.ES	98	05.9060.14.DA	260	05.9062.EQ.DA	101
05.9005.ER.CB	96	05.9008.14.1V	257	05.9031.EQ.1V	98	05.9035.ES	258	05.9060.40	100	05.9062.EQ.DA	261
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05.9207.40.78	701	05.9236.EQ	702	05.9241.ERADA	702	05.9317.40	525	05.9376.14	526	05.9434.ER	527
05.9207.40AC6	701	05.9236.EQACB	702	05.9241.ES	702	05.9317.ER	525	05.9376.40	526	05.9434.ES	527
05.9207.40ACB	701	05.9236.EQADA	702	05.9241.ESACB	702	05.9318.ES	525	05.9376.EQ	526	05.9434.TK	527
05.9207.40ADA	701	05.9236.ER	702	05.9241.ESADA	702	05.9320.40	526	05.9376.TK	526	05.9435.14	527
05.9207.40AYU	701	05.9236.ERACB	702	05.9242.14	703	05.9321.40	526	05.9377.14	526	05.9435.40	527
05.9207.EQ	701	05.9236.ERADA	702	05.9242.14ACB	703	05.9322.40	526	05.9377.40	526	05.9436.14	527
05.9207.EQACB	701	05.9236.ES	702	05.9242.14ADA	703	05.9323.40	526	05.9377.ER	526	05.9436.40	527
05.9207.EQADA	701	05.9236.ESACB	702	05.9242.40	703	05.9324.14	526	05.9378.ES	526	05.9436.EQ	527
05.9207.ER	701	05.9236.ESADA	702	05.9242.40.78	703	05.9324.40	526	05.9380.40	527	05.9436.TK	527
05.9207.ERACB	701	05.9237.14	703	05.9242.40AC6	703	05.9324.EQ	526	05.9381.40	527	05.9437.14	527
05.9207.ERADA	701	05.9237.14ACB	703	05.9242.40ACB	703	05.9324.ER	526	05.9382.40	527	05.9437.40	527
05.9207.ES	701	05.9237.14ADA	703	05.9242.40ADA	703	05.9324.ES	526	05.9383.40	527	05.9437.ER	527
05.9207.ESACB	701	05.9237.40	703	05.9242.40AYU	703	05.9324.TK	526	05.9384.14	527	05.9438.ES	527
05.9207.ESADA	701	05.9237.40.78	703	05.9242.EQ	703	05.9325.14	526	05.9384.40	527	05.9500.40	534
05.9210.14	700	05.9237.40AC6	703	05.9242.EQACB	703	05.9325.40	526	05.9384.EQ	527	05.9501.40	534
05.9210.14ACB	700	05.9237.40ACB	703	05.9242.EQADA	703	05.9326.14	526	05.9384.ER	527	05.9502.40	534
05.9210.14ADA	700	05.9237.40ADA	703	05.9242.ER	703	05.9326.40	526	05.9384.ES	527	05.9503.40	534
05.9210.40	700	05.9237.40AYU	703	05.9242.ERACB	703	05.9326.EQ	526	05.9384.TK	527	05.9504.14	534
05.9210.40.78	700	05.9237.EQ	703	05.9242.ERADA	703	05.9326.TK	526	05.9385.14	527	05.9504.40	534
05.9210.40AC6	700	05.9237.EQACB	703	05.9242.ES	703	05.9327.14	526	05.9385.40	527	05.9504.EQ	534
05.9210.40ACB	700	05.9237.EQADA	703	05.9242.ESACB	703	05.9327.40	526	05.9386.14	527	05.9504.ER	534
05.9210.40ADA	700	05.9237.ER	703	05.9242.ESADA	703	05.9327.ER	526	05.9386.40	527	05.9504.ES	534
05.9210.40AYU	700	05.9237.ERACB	703	05.9243.14	703	05.9328.ES	526	05.9386.EQ	527	05.9504.TK	534
05.9210.EQ	700	05.9237.ERADA	703	05.9243.14ACB	703	05.9330.40	527	05.9386.TK	527	05.9505.14	534
05.9210.EQACB	700	05.9237.ES	703	05.9243.14ADA	703	05.9331.40	527	05.9387.14	527	05.9505.40	534
05.9210.EQADA	700	05.9237.ESACB	703	05.9243.40	703	05.9332.40	527	05.9387.40	527	05.9506.14	534
05.9210.ER	700	05.9237.ESADA	703	05.9243.40.78	703	05.9333.40	527	05.9387.ER	527	05.9506.40	534
05.9210.ERACB	700	05.9238.14	703	05.9243.40AC6	703	05.9334.14	527	05.9388.ES	527	05.9506.EQ	534
05.9210.ERADA	700	05.9238.14ACB	703	05.9243.40ACB	703	05.9334.40	527	05.9400.40	524	05.9506.TK	534
05.9210.ES	700	05.9238.14ADA	703	05.9243.40ADA	703	05.9334.EQ	527	05.9401.40	524	05.9507.14	534
05.9210.ESACB	700	05.9238.40	703	05.9243.40AYU	703	05.9334.ER	527	05.9402.40	524	05.9507.40	534
05.9210.ESADA	700	05.9238.40.78	703	05.9243.EQ	703	05.9334.ES	527	05.9403.40	524	05.9507.ER	534
05.9211.14	700	05.9238.40AC6	703	05.9243.EQACB	703	05.9334.TK	527	05.9404.14	524	05.9508.ES	534
05.9211.14ACB	700	05.9238.40ACB	703	05.9243.EQADA	703	05.9335.14	527	05.9404.40	524	05.9510.40	535
05.9211.14ADA	700	05.9238.40ADA	703	05.9243.ER	703	05.9335.40	527	05.9404.EQ	524	05.9511.40	535
05.9211.40	700	05.9238.40AYU	703	05.9243.ERACB	703	05.9336.14	527	05.9404.ER	524	05.9512.40	535
05.9211.40.78	700	05.9238.EQ	703	05.9243.ERADA	703	05.9336.40	527	05.9404.ES	524	05.9513.40	535
05.9211.40AC6	700	05.9238.EQACB	703	05.9243.ES	703	05.9336.EQ	527	05.9404.TK	524	05.9514.14	535
05.9211.40ACB	700	05.9238.EQADA	703	05.9243.ESACB	703	05.9336.TK	527	05.9405.14	524	05.9514.40	535
05.9211.40ADA	700	05.9238.ER	703	05.9243.ESADA	703	05.9337.14	527	05.9405.40	524	05.9514.EQ	535
05.9211.40AYU	700	05.9238.ERACB	703	05.9244.14	703	05.9337.40	527	05.9406.14	524	05.9514.ER	535
05.9211.EQ	700	05.9238.ERADA	703	05.9244.14ACB	703	05.9337.ER	527	05.9406.40	524	05.9514.ES	535
05.9211.EQACB	700	05.9238.ES	703	05.9244.14ADA	703	05.9338.ES	527	05.9406.EQ	524	05.9514.TK	535
05.9211.EQADA	700	05.9238.ESACB	703	05.9244.40	703	05.9350.40	524	05.9406.TK	524	05.9515.14	535
05.9211.ER	700	05.9238.ESADA	703	05.9244.40.78	703	05.9351.40	524	05.9407.14	524	05.9515.40	535
05.9211.ERACB	700	05.9239.14	703	05.9244.40AC6	703	05.9352.40	524	05.9407.40	524	05.9516.14	535
05.9211.ERADA	700	05.9239.14ACB	703	05.9244.40ACB	703	05.9353.40	524	05.9407.ER	524	05.9516.40	535
05.9211.ES	700	05.9239.14ADA	703	05.9244.40ADA	703	05.9354.14	524	05.9408.ES	524	05.9516.EQ	535
05.9211.ESACB	700	05.9239.40	703	05.9244.40AYU	703	05.9354.40	524	05.9410.40	525	05.9516.TK	535
05.9211.ESADA	700	05.9239.40.78	703	05.9244.EQ	703	05.9354.EQ	524	05.9411.40	525	05.9517.14	535

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.9517.40	535	05.9566.14	534	06.0391.00	61	06.1612.14	197	06.2501.40	156	06.2611.14	120
05.9517.ER	535	05.9566.40	534	06.0392.00	61	06.1612.40	197	06.2501.CZ	156	06.2611.40	120
05.9518.ES	535	05.9566.EQ	534	06.0393.00	61	06.1614.14A	200	06.2502.06	156	06.2611.EQ	120
05.9520.40	536	05.9566.TK	534	06.0394.00	61	06.1614.40A	200	06.2502.14	156	06.2611.ER	120
05.9521.40	536	05.9567.14	534	06.0395.00	61	06.1615.14A	200	06.2502.18	156	06.2611.ES	120
05.9522.40	536	05.9567.40	534	06.0396.00	61	06.1615.40A	200	06.2502.40	156	06.2612.14	120
05.9523.40	536	05.9567.ER	534	06.0403.C5	63	06.1616.14A	200	06.2502.CZ	156	06.2612.40	120
05.9524.14	536	05.9568.ES	534	06.0404.C5	63	06.1616.40A	200	06.2506.14	156	06.2612.EQ	120
05.9524.40	536	05.9570.40	535	06.0420.14	302	06.1617.14A	200	06.2506.40	156	06.2612.ER	120
05.9524.EQ	536	05.9571.40	535	06.0420.30	302	06.1617.40A	200	06.2509.14	157	06.2612.ES	120
05.9524.ER	536	05.9572.40	535	06.0436.14	395	06.1618.14A	200	06.2509.18	157	06.2613.14	119
05.9524.ES	536	05.9573.40	535	06.0436.40	395	06.1618.40A	200	06.2509.40	157	06.2613.40	119
05.9524.TK	536	05.9574.14	535	06.0436.AP	395	06.1619.14A	200	06.2509.CZ	157	06.2613.EQ	119
05.9525.14	536	05.9574.40	535	06.0450.14	116	06.1619.40A	200	06.2510.05A	164	06.2613.ER	119
05.9525.40	536	05.9574.EQ	535	06.0451.14	116	06.1620.14A	200	06.2510.14A	164	06.2613.ES	119
05.9526.14	536	05.9574.ER	535	06.0452.14	116	06.1620.40A	200	06.2510.18A	164	06.2614.14	119
05.9526.40	536	05.9574.ES	535	06.0453.14	116	06.1621.14A	200	06.2510.40A	164	06.2614.40	119
05.9526.EQ	536	05.9574.TK	535	06.0454.14	116	06.1621.40A	200	06.2510.CZA	164	06.2614.EQ	119
05.9526.TK	536	05.9575.14	535	06.0455.14	116	06.1622.14A	200	06.2511.05A	164	06.2614.ER	119
05.9527.14	536	05.9575.40	535	06.0456.14	117	06.1622.40A	200	06.2511.14A	164	06.2614.ES	119
05.9527.40	536	05.9576.14	535	06.0457.14	117	06.1623.14A	200	06.2511.18A	164	06.2615.14	120
05.9527.ER	536	05.9576.40	535	06.0458.14	117	06.1623.40A	200	06.2511.40A	164	06.2615.40	120
05.9528.ES	536	05.9576.EQ	535	06.0459.14	117	06.1624.14	201	06.2511.CZA	164	06.2615.EQ	120
05.9530.40	534	05.9576.TK	535	06.0460.14	117	06.1624.40	201	06.2540.14	156	06.2615.ER	120
05.9531.40	534	05.9577.14	535	06.0461.14	117	06.1626.14	198	06.2540.18	156	06.2615.ES	120
05.9532.40	534	05.9577.40	535	06.0500.14	412	06.1626.40	198	06.2540.40	156	06.2616.14	120
05.9533.40	534	05.9577.ER	535	06.0500.40	412	06.1627.14	198	06.2540.CZ	156	06.2616.40	120
05.9534.14	534	05.9578.ES	535	06.0501.14	21	06.1627.40	198	06.2541.14	156	06.2616.EQ	120
05.9534.40	534	05.9580.40	536	06.0501.40	21	06.1628.14	198	06.2541.18	156	06.2616.ER	120
05.9534.EQ	534	05.9581.40	536	06.0501.ER	21	06.1628.40	198	06.2541.40	156	06.2616.ES	120
05.9534.ER	534	05.9582.40	536	06.0501.ES	21	06.1629.14	198	06.2541.CZ	156	06.2617.14	120
05.9534.ES	534	05.9583.40	536	06.0502.14	21	06.1629.40	198	06.2542.14	156	06.2617.40	120
05.9534.TK	534	05.9584.14	536	06.0502.40	21	06.1630.14	198	06.2542.18	156	06.2617.EQ	120
05.9535.14	534	05.9584.40	536	06.0502.ER	21	06.1630.40	198	06.2542.40	156	06.2617.ER	120
05.9535.40	534	05.9584.EQ	536	06.0502.ES	21	06.1631.14	198	06.2542.CZ	156	06.2617.ES	120
05.9536.14	534	05.9584.ER	536	06.0503.14	21	06.1631.40	198	06.2543.14	156	06.2618.14A	120
05.9536.40	534	05.9584.ES	536	06.0503.40	21	06.1632.14	198	06.2543.18	156	06.2618.40A	120
05.9536.EQ	534	05.9584.TK	536	06.0503.ER	21	06.1632.40	198	06.2543.40	156	06.2619.14	121
05.9536.TK	534	05.9585.14	536	06.0503.ES	21	06.1633.14	198	06.2543.CZ	156	06.2619.40	121
05.9537.14	534	05.9585.40	536	06.0504.14	21	06.1633.40	198	06.2544.14	156	06.2619.EQ	121
05.9537.40	534	05.9586.14	536	06.0504.40	21	06.1634.14	198	06.2544.18	156	06.2619.ER	121
05.9537.ER	534	05.9586.40	536	06.0504.ER	21	06.1634.40	198	06.2544.40	156	06.2619.ES	121
05.9538.ES	534	05.9586.EQ	536	06.0504.ES	21	06.1635.14	198	06.2544.CZ	156	06.2620.14	121
05.9540.40	535	05.9586.TK	536	06.0505.14	21	06.1635.40	198	06.2545.14	157	06.2620.40	121
05.9541.40	535	05.9587.14	536	06.0505.40	21	06.1638.14	194	06.2545.18	157	06.2620.EQ	121
05.9542.40	535	05.9587.40	536	06.0505.ER	21	06.1639.14	194	06.2545.40	157	06.2620.ER	121
05.9543.40	535	05.9587.ER	536	06.0505.ES	21	06.1640.14	194	06.2545.CZ	157	06.2620.ES	121
05.9544.14	535	05.9588.ES	536	06.0506.14	21	06.1641.14	194	06.2546.14	157	06.2621.14	119
05.9544.40	535	06.0157.00	243	06.0506.40	21	06.1642.14	194	06.2546.18	157	06.2621.40	119
05.9544.EQ	535	06.0173.14	79	06.0506.ER	21	06.1643.14	194	06.2546.40	157	06.2621.EQ	119
05.9544.ER	535	06.0301.00	293	06.0506.ES	21	06.1644.14	194	06.2546.CZ	157	06.2621.ER	119
05.9544.ES	535	06.0303.00	293	06.0507.14	21	06.1645.14	194	06.2600.14	118	06.2621.ES	119
05.9544.TK	535	06.0330.C5	58	06.0507.40	21	06.1646.14	194	06.2600.40	118	06.2640.14	116
05.9545.14	535	06.0331.C5	58	06.0507.ER	21	06.1647.14	194	06.2600.EQ	118	06.2641.14	116
05.9545.40	535	06.0332.C5	58	06.0507.ES	21	06.1648.14	195	06.2600.ER	118	06.2642.14	116
05.9546.14	535	06.0335.00	58	06.0508.14	21	06.1650.14	195	06.2600.ES	118	06.2643.14	116
05.9546.40	535	06.0336.00	58	06.0508.40	21	06.1651.14	195	06.2601.14	118	06.2644.14	116
05.9546.EQ	535	06.0337.00	59	06.0508.ER	21	06.1656.14	199	06.2601.40	118	06.2645.14	116
05.9546.TK	535	06.0338.00	59	06.0508.ES	21	06.1656.40	199	06.2601.EQ	118	06.2660.14	20
05.9547.14	535	06.0339.00	60	06.1005.00E	844	06.1657.14	199	06.2601.ER	118	06.2660.40	20
05.9547.40	535	06.0340.00	60	06.1012.00E	844	06.1657.40	199	06.2601.ES	118	06.2660.ER	20
05.9547.ER	535	06.0341.00	61	06.1013.00E	844	06.1740.14	199	06.2602.14	118	06.2660.ES	20
05.9548.ES	535	06.0342.00	61	06.1014.00E	844	06.1741.14	199	06.2602.40	118	06.2661.14	20
05.9550.40	536	06.0343.00	62	06.1016.00	844	06.1742.14	199	06.2603.14	118	06.2661.40	20
05.9551.40	536	06.0350.C5	62	06.1019.00E	844	06.1850.14	292	06.2603.40	118	06.2661.ER	20
05.9552.40	536	06.0351.C5	62	06.1020.00E	844	06.1851.14	292	06.2603.EQ	118	06.2661.ES	20
05.9553.40	536	06.0352.C5	62	06.1022.00E	844	06.1852.14	292	06.2603.ER	118	06.2662.14	20
05.9554.14	536	06.0353.C5	62	06.1032.00	589	06.1853.14	292	06.2603.ES	118	06.2662.40	20
05.9554.40	536	06.0354.C5	63	06.1033.00	589	06.1860.14	293	06.2604.14	118	06.2662.ER	20
05.9554.EQ	536	06.0355.C5	63	06.1034.00	589	06.1860.40	293	06.2604.40	118	06.2662.ES	20
05.9554.ER	536	06.0366.00	58	06.1049.00	844	06.1861.14	293	06.2604.EQ	118	06.2663.14	20
05.9554.ES	536	06.0367.00	58	06.1150.14	197	06.1861.40	293	06.2604.ER	118	06.2663.40	20
05.9554.TK	536	06.0368.00	58	06.1150.40	197	06.1862.14	293	06.2604.ES	118	06.2663.ER	20
05.9555.14	536	06.0369.00	58	06.1600.14	196	06.1862.40	293	06.2605.14	118	06.2663.ES	20
05.9555.40	536	06.0370.00	58	06.1600.40	196	06.1863.14	293	06.2605.40	118	06.2664.14	20
05.9556.14	536	06.0371.00	58	06.1601.14	196	06.1863.40	293	06.2606.14	119	06.2664.40	20
05.9556.40	536	06.0372.00	58	06.1601.40	196	06.1974.00	810	06.2606.40	119	06.2664.ER	20
05.9556.EQ	536	06.0373.00	59	06.1602.14	196	06.1987.14	231	06.2606.EQ	119	06.2664.ES	20
05.9556.TK	536	06.0374.00	59	06.1602.40	196	06.1987.14	297	06.2606.ER	119	06.2665.14	20
05.9557.14	536	06.0375.00	59	06.1603.14	196	06.1987.40	231	06.2606.ES	119	06.2665.40	20
05.9557.40	536	06.0376.00	59	06.1603.40	196	06.1987.40	297	06.2607.14	119	06.2665.ER	20
05.9557.ER	536	06.0377.00	59	06.1604.14	196	06.1988.14	87	06.2607.40	119	06.2665.ES	20
05.9558.ES	536	06.0378.00	59	06.1604.40	196	06.1988.14	108	06.2607.EQ	119	06.2666.14	30
05.9560.40	534	06.0379.00	59	06.1605.14	196	06.1988.14	266	06.2607.ER	119	06.2666.40	30
05.9561.40	534	06.0380.00	59	06.1605.40	196	06.1988.40	87	06.2607.ES	119	06.2666.ER	30
05.9562.40	534	06.0381.00	60	06.1606.14	196	06.1988.40	108	06.2608.14	117	06.2666.ES	30
05.9563.40	534	06.0382.00	60	06.1606.40	196	06.1988.40	266	06.2608.14	119	06.2667.14	30
05.9564.14	534	06.0383.00	60	06.1607.14	196	06.2500.06	156	06.2608.40	119	06.2667.40	30
05.9564.40	534	06.0384.00	60	06.1607.40	196	06.2500.14	156	06.2609.14	119	06.2667.ER	30
05.9564.EQ	534	06.0385.00	60	06.1608.14	196	06.2500.18	156	06.2609.40	119	06.2667.ES	30
05.9564.ER	534	06.0386.00	60	06.1608.40	196	06.2500.40	156	06.2609.EQ	119	06.2668.14	30
05.9564.ES	534	06.0387.00	60	06.1609.14	196	06.2500.CZ	156	06.2609.ER	119	06.2668.40	30
05.9564.TK	534	06.0388.00	60	06.1609.40	196	06.2501.06	156	06.2609.ES	119	06.2668.ER	30
05.9565.14	534	06.0389.00	61	06.1610.14	197	06.2501.14	156	06.2610.14	119	06.2668.ES	30
05.9565.40	534	06.0390.00	61	06.1610.40	197	06.2501.18	156	06.2610.40	119	06.2669.14	30

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06.2669.40	30	06.5024.14	244	06.5150.14	87	08.0165.ER	553	08.0521.40A	786	08.0642.02	787
06.2669.ER	30	06.5024.40	244	06.5150.40	87	08.0165.ES	553	08.0521.ETA	786	08.0642.14	787
06.2669.ES	30	06.5025.05	245	06.5151.14	87	08.0166.00	552	08.0521.EUA	786	08.0642.40	787
06.2670.14	30	06.5025.14	245	06.5151.40	87	08.0167.00	553	08.0522.02A	786	08.0642.ET	787
06.2670.40	30	06.5025.40	245	06.5152.14	87	08.0175.14	103	08.0522.14A	786	08.0642.EU	787
06.2670.ER	30	06.5026.05	245	06.5152.40	87	08.0175.14	263	08.0522.40A	786	08.0661.14	530
06.2670.ES	30	06.5026.14	245	06.5153.14	87	08.0175.14	704	08.0522.ETA	786	08.0661.40	530
06.2671.14	30	06.5026.40	245	06.5153.40	87	08.0175.14	724	08.0522.EUA	786	08.0661.EQ	530
06.2671.40	30	06.5040.14	238	06.5155.14	85	08.0175.14	725	08.0523.02A	786	08.0661.ER	530
06.2671.ER	30	06.5041.14	238	06.5155.40	85	08.0175.14	726	08.0523.14A	786	08.0661.ES	530
06.2671.ES	30	06.5042.14	238	06.5156.14	85	08.0176.14	103	08.0523.40A	786	08.0670.14	563
06.2672.14	26	06.5043.14	238	06.5156.40	85	08.0176.14	263	08.0523.ETA	786	08.0670.40	563
06.2672.40	26	06.5044.14	238	06.5157.14	85	08.0176.14	704	08.0523.EUA	786	08.0671.14	581
06.2672.ER	26	06.5045.14	239	06.5157.40	85	08.0176.14	724	08.0524.02	787	08.0671.40	581
06.2672.ES	26	06.5046.14	239	06.5158.14	85	08.0176.14	725	08.0524.14	787	08.0672.00	563
06.2673.14	26	06.5047.14	239	06.5158.40	85	08.0176.14	726	08.0524.40	787	08.0673.00	581
06.2673.40	26	06.5050.14	238	06.6000.14	172	08.0177.14	727	08.0524.ET	787	08.0711.00	563
06.2673.ER	26	06.5051.14	238	06.6001.14	172	08.0177.14	728	08.0524.EU	787	08.0712.00	563
06.2673.ES	26	06.5052.14	238	06.6002.14	172	08.0177.14	729	08.0525.02A	787	08.0713.00	563
06.2674.14	26	06.5053.14	238	06.6003.14	172	08.0178.14	727	08.0525.14A	787	08.0714.00	581
06.2674.40	26	06.5054.14	238	06.6004.14	172	08.0178.14	728	08.0525.40A	787	08.0715.00	581
06.2674.ER	26	06.5060.05	240	06.6010.14	173	08.0178.14	729	08.0525.ETA	787	08.0715.00	581
06.2674.ES	26	06.5060.14	240	06.6010.40	173	08.0180.00	79	08.0525.EUA	787	08.0716.00	581
06.2675.14	26	06.5060.40	240	06.6011.14	173	08.0181.00	79	08.0526.00	95	08.0716.00	581
06.2675.40	26	06.5061.05	240	06.6011.40	173	08.0182.00	79	08.0526.00	253	08.0717.00	581
06.2675.ER	26	06.5061.14	240	06.6012.14	173	08.0190.14	186	08.0526.00	286	08.0718.00	581
06.2675.ES	26	06.5061.40	240	06.6012.40	173	08.0191.14	186	08.0526.00	296	08.0719.00	581
06.2676.14	26	06.5062.05	240	06.6013.14	173	08.0192.00	552	08.0526.00	666	08.0720.00	581
06.2676.40	26	06.5062.14	240	06.6013.40	173	08.0193.00	553	08.0526.00	692	08.0721.14	563
06.2676.ER	26	06.5062.40	240	06.6014.14	173	08.0194.00	79	08.0526.00	752	08.0721.40	563
06.2676.ES	26	06.5063.05	240	06.6014.40	173	08.0195.00	79	08.0526.00	771	08.0722.14	563
06.2677.14	26	06.5063.14	240	06.6030.14	172	08.0205.00A	767	08.0526.40	95	08.0722.40	563
06.2677.40	26	06.5063.40	240	06.6031.14	173	08.0206.00	767	08.0526.40	253	08.0723.14	563
06.2677.ER	26	06.5064.14	240	06.6031.40	173	08.0207.00A	767	08.0526.40	286	08.0723.40	563
06.2677.ES	26	06.5064.40	240	06.6032.14	172	08.0208.00	767	08.0526.40	296	08.0724.14	581
06.2678.14	34	06.5070.05	244	06.6033.14	173	08.0209.DR	767	08.0526.40	666	08.0724.40	581
06.2678.40	34	06.5070.14	244	06.6033.40	173	08.0209.DY	767	08.0526.40	752	08.0725.14	581
06.2678.ER	34	06.5070.40	244	06.6034.14	172	08.0209.EQ	767	08.0526.40	771	08.0725.40	581
06.2678.ES	34	06.5071.05	244	06.6034.14	173	08.0209.ER	767	08.0526.BW	95	08.0726.14	581
06.2679.14	34	06.5071.14	244	06.6034.40	173	08.0209.ES	767	08.0526.BW	253	08.0726.40	581
06.2679.40	34	06.5071.40	244	06.6035.14	172	08.0210.00A	767	08.0526.BW	286	08.0727.00	563
06.2679.ER	34	06.5072.05	244	06.6035.14	173	08.0211.DR	767	08.0526.BW	296	08.0728.00	581
06.2679.ES	34	06.5072.14	244	06.6036.14	172	08.0211.DY	767	08.0526.BW	666	08.0729.00	563
06.2680.14	34	06.5072.40	244	06.6036.14	173	08.0211.EQ	767	08.0526.BW	752	08.0730.00	581
06.2680.40	34	06.5073.05	244	06.6036.40	173	08.0211.ER	767	08.0526.BW	771	08.0731.00	563
06.2680.ER	34	06.5073.14	244	07.9630.70	790	08.0211.ES	767	08.0550.00	691	08.0732.00	563
06.2680.ES	34	06.5073.40	244	07.9630.70	790	08.0212.DRA	767	08.0551.00	691	08.0735.00	581
06.2681.14	34	06.5074.14	244	07.9630.76	791	08.0212.DYA	767	08.0555.00	691	08.0736.00	581
06.2681.40	34	06.5074.40	244	07.9630.76	791	08.0212.EQA	767	08.0556.14	691	08.0739.00	563
06.2681.ER	34	06.5096.14	241	07.9630.AN	790	08.0212.ERA	767	08.0556.40	691	08.0740.00	563
06.2681.ES	34	06.5096.40	241	07.9630.AN	790	08.0212.ESA	767	08.0556.CE	691	08.0741.00	581
06.2682.14	34	06.5100.14	85	07.9630.AP	790	08.0226.00A	767	08.0556.TK	691	08.0742.00	581
06.2682.40	34	06.5100.40	85	07.9630.AP	790	08.0227.00	767	08.0557.14	691	08.0744.00	323
06.2682.ER	34	06.5101.14	85	07.9630.CE	791	08.0228.DR	767	08.0557.40	691	08.0745.00	323
06.2682.ES	34	06.5101.40	85	07.9630.CE	791	08.0228.DY	767	08.0557.CE	691	08.0746.00	323
06.2683.14	34	06.5110.14	86	07.9641.14A	790	08.0228.EQ	767	08.0557.TK	691	08.0747.00	323
06.2683.40	34	06.5110.40	86	07.9641.14ADA	790	08.0228.ER	767	08.0580.00	531	08.0748.00	323
06.2683.ER	34	06.5111.14	86	07.9642.14A	790	08.0228.ES	767	08.0581.00	531	08.0756.00	531
06.2683.ES	34	06.5111.40	86	07.9642.14ADA	790	08.0231.00	767	08.0582.00	531	08.0757.00	551
06.5008.14	239	06.5112.14	86	08.0030	311	08.0254.00A	767	08.0583.00	531	08.0761.14	323
06.5010.05	240	06.5112.40	86	08.0031.00	311	08.0255.00	767	08.0584.00	531	08.0761.30	323
06.5010.14	240	06.5113.14	86	08.0031.00.DA	311	08.0269.00	507	08.0586.00	531	08.0790.00	39
06.5010.40	240	06.5113.40	86	08.0032.00	85	08.0270.00	507	08.0600.14	243	08.0790.00	103
06.5011.05	240	06.5115.14	85	08.0033.00	85	08.0360.14	551	08.0600.40	243	08.0790.00	133
06.5011.14	240	06.5115.40	85	08.0050.00	213	08.0360.40	551	08.0611.14	239	08.0790.00	183
06.5011.40	240	06.5116.14	85	08.0050.00	255	08.0360.EQ	551	08.0611.14	241	08.0790.00	207
06.5012.05	240	06.5116.40	85	08.0052.90	507	08.0360.ER	551	08.0612.14	239	08.0790.00	263
06.5012.14	240	06.5117.14	85	08.0059.90	507	08.0360.ES	551	08.0612.14	241	08.0790.00	525
06.5012.40	240	06.5117.40	85	08.0109.00	311	08.0361.00	551	08.0613.14A	87	08.0790.00	527
06.5013.05	240	06.5118.14	85	08.0110.00	311	08.0500.00	691	08.0613.14A	121	08.0791.00	39
06.5013.14	240	06.5118.40	85	08.0112.00	311	08.0501.00	691	08.0613.14A	241	08.0791.00	103
06.5013.40	240	06.5120.14	87	08.0113.00	311	08.0505.00	691	08.0614.14	239	08.0791.00	133
06.5014.14	240	06.5120.40	87	08.0131.14	302	08.0506.14	691	08.0614.14	241	08.0791.00	183
06.5014.40	240	06.5121.14	87	08.0131.29	302	08.0506.40	691	08.0615.00	22	08.0791.00	207
06.5015.05	241	06.5121.40	87	08.0131.40	302	08.0506.CE	691	08.0615.00	31	08.0791.00	263
06.5015.14	241	06.5122.14	87	08.0132.00	622	08.0506.TK	691	08.0615.00	241	08.0791.00	525
06.5015.40	241	06.5122.40	87	08.0139.00	302	08.0507.14	691	08.0616.00	243	08.0791.00	527
06.5016.05	241	06.5123.14	87	08.0160.14	552	08.0507.40	691	08.0626.00	245	08.0792.00	39
06.5016.14	241	06.5123.40	87	08.0160.40	552	08.0507.CE	691	08.0627.00	243	08.0792.00	103
06.5016.40	241	06.5125.14	85	08.0160.EQ	552	08.0507.TK	691	08.0630.14	157	08.0792.00	133
06.5017.05A	241	06.5125.40	85	08.0160.ER	552	08.0510.00	507	08.0630.40	157	08.0792.00	183
06.5017.14	241	06.5126.14	85	08.0160.ES	552	08.0511.00	507	08.0631.14A	245	08.0792.00	207
06.5017.40	241	06.5126.40	85	08.0161.14	553	08.0512.00	507	08.0631.40A	245	08.0792.00	263
06.5020.05	244	06.5127.14	85	08.0161.40	553	08.0513.00	507	08.0632.14A	245	08.0792.00	525
06.5020.14	244	06.5127.40	85	08.0161.EQ	553	08.0515.00	507	08.0632.40A	245	08.0792.00	527
06.5020.40	244	06.5128.14	85	08.0161.ER	553	08.0516.00	507	08.0640.02	786	08.0793.00	39
06.5021.05	244	06.5128.40	85	08.0161.ES	553	08.0517.00	507	08.0640.14	786	08.0793.00	103
06.5021.14	244	06.5135.14A	85	08.0164.14	552	08.0518.00	507	08.0640.40	786	08.0793.00	135
06.5021.40	244	06.5135.40A	85	08.0164.40	552	08.0520.02A	786	08.0640.ET	786	08.0793.00	209
06.5022.05	244	06.5140.14	85	08.0164.EQ	552	08.0520.14A	786	08.0640.EU	786	08.0793.00	263
06.5022.14	244	06.5140.40	85	08.0164.ER	552	08.0520.40A	786	08.0641.02	786	08.0793.00	535
06.5022.40	244	06.5141.14	85	08.0164.ES	552	08.0520.ETA	786	08.0641.14	786	08.0793.00	537
06.5023.05	244	06.5141.40	85	08.0165.14	553	08.0520.EUA	786	08.0641.40	786	08.0793.00	704
06.5023.14	244	06.5142.14A	85	08.0165.40	553	08.0521.02A	786	08.0641.ET	786	08.0794.00	39
06.5023.40	244	06.5142.40A	85	08.0165.EQ	553	08.0521.14A	786	08.0641.EU	786	08.0794.00	103

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08.0794.00	135	08.0955.40	343	08.8429.00	253	08.8706.14	314	08.9077.40	787	09.2126.40BDA	793
08.0794.00	209	08.0956.14	343	08.8429.00	286	08.8706.30	314	08.9077.ET	787	09.2127.05B	793
08.0794.00	263	08.0956.14	343	08.8429.00	296	08.8707.14	314	08.9077.EU	787	09.2127.05BDA	793
08.0794.00	535	08.0956.40	343	08.8429.00	666	08.8707.30	314	08.9102.00	622	09.2127.14B	793
08.0794.00	537	08.0956.40	343	08.8429.00	692	08.8708.14	314	08.9102.00	689	09.2127.14BDA	793
08.0794.00	704	08.0958.00	323	08.8429.00	752	08.8708.30	314	08.9103.00	622	09.2127.40B	793
08.0795.00	39	08.0961.00	62	08.8429.00	771	08.8709.14	315	08.9103.00	689	09.2127.40BDA	793
08.0795.00	103	08.1040.14	412	08.8431.00	95	08.8709.30	315	08.9104.00	622	09.3200.29A	797
08.0795.00	135	08.1040.40	412	08.8431.00	253	08.8710.14	315	08.9105.00	689	09.3200.30A	797
08.0795.00	209	08.1041.14	412	08.8431.00	286	08.8710.30	315	08.9107.00	286	09.3200.55A	797
08.0795.00	263	08.1041.40	412	08.8431.00	296	08.8711.00	315	08.9107.00	752	09.3200.ANA	797
08.0795.00	535	08.1042.00	62	08.8431.00	666	08.8720.14	314	08.9107.00	771	09.3200.BZA	797
08.0795.00	537	08.1050.00	419	08.8431.00	692	08.8720.30	314	08.9108.00	286	09.3201.29A	797
08.0795.00	704	08.1053.14	419	08.8431.00	752	08.8721.14	314	08.9108.00	752	09.3201.30A	797
08.0796.00	103	08.1053.40	419	08.8431.00	771	08.8721.30	314	08.9108.00	771	09.3201.55A	797
08.0796.00	263	08.1056.00	428	08.8432.00	95	08.8759.00	227	08.9109.00	286	09.3201.ANA	797
08.0796.00	704	08.1057.00	428	08.8432.00	253	08.8760.00	227	08.9109.00	752	09.3201.BZA	797
08.0797.00	103	08.1058.00	428	08.8432.00	286	08.8761.00	227	08.9109.00	771	09.3310.01C	799
08.0797.00	263	08.1059.00	428	08.8432.00	296	08.8775.14	791	08.9110.00	286	09.3310.04C	799
08.0797.00	704	08.1060.14	412	08.8432.00	666	08.8775.40	791	08.9110.00	752	09.3310.72C	799
08.0798.00	103	08.1060.40	412	08.8432.00	692	08.8782.30	735	08.9110.00	771	09.3600.14A	736
08.0798.00	263	08.1061.14	412	08.8432.00	752	08.8783.05A	735	08.9111.00	286	09.3600.14ACB	736
08.0798.00	704	08.1061.40	412	08.8432.00	771	08.8783.05ADA	735	08.9111.00	752	09.3600.14ADA	736
08.0799.00	103	08.1062.90	419	08.8450.00	679	08.8783.14A	735	08.9111.00	771	09.3600.40A	736
08.0799.00	263	08.1205.14	22	08.8451.00	679	08.8783.14ADA	735	08.9111.40	752	09.3600.40ACB	736
08.0799.00	704	08.1205.40	22	08.8452.00	679	08.8783.30A	735	08.9111.BW	752	09.3600.40ADA	736
08.0824.14	62	08.1205.ER	22	08.8453.14	679	08.8783.30ADA	735	08.9114.00	622	09.3601.14A	736
08.0824.14	79	08.1205.ES	22	08.8453.40	679	08.8865.14A	195	09.0045.29B	795	09.3601.14ACB	736
08.0824.14	87	08.1206.14	22	08.8479.00	622	08.8866.14	117	09.0045.30B	795	09.3601.14ADA	736
08.0824.14	164	08.1206.14	35	08.8495.14	666	08.8866.14	195	09.0045.BZB	795	09.3601.40A	736
08.0824.14	186	08.1206.40	22	08.8495.14	752	08.8866.14	239	09.0100.29B	795	09.3601.40ACB	736
08.0824.14	231	08.1206.40	35	08.8501.64.OD	317	08.8866.14	292	09.0100.30B	795	09.3601.40ADA	736
08.0825.00	552	08.1206.ER	22	08.8501.65.OD	317	08.8867.14	117	09.0100.BZB	795	09.3602.14A	736
08.0826.00	553	08.1206.ER	35	08.8501.66.OD	317	08.8867.14	195	09.0101.29B	795	09.3602.14ACB	736
08.0900.14	394	08.1206.ES	22	08.8501.67.OD	317	08.8867.14	239	09.0101.30B	795	09.3602.14ADA	736
08.0900.40	394	08.1206.ES	35	08.8501.69	317	08.8867.14	292	09.0101.BZB	795	09.3602.40A	736
08.0900.AP	394	08.1207.14	22	08.8501.CL	317	08.8883.14A	199	09.0102.29B	795	09.3602.40ACB	736
08.0901.14	394	08.1207.40	22	08.8501.DL	317	08.8883.14A	243	09.0102.30B	795	09.3602.40ADA	736
08.0901.40	394	08.1207.ER	22	08.8501.ND	317	08.8883.40A	199	09.0102.BZB	795	09.3603.14A	736
08.0901.AP	394	08.1207.ES	22	08.8572.14D	584	08.8883.40A	243	09.0103.29B	795	09.3603.14ACB	736
08.0903.14	394	08.1208.14	22	08.8572.14D	584	08.8886.14	199	09.0103.30B	795	09.3603.14ADA	736
08.0903.40	394	08.1208.40	22	08.8572.14D	585	08.8886.14.CB	199	09.0103.BZB	795	09.3603.40A	736
08.0903.AP	394	08.1208.ER	22	08.8572.14D1V	584	08.8886.14.DA	199	09.0104.29A	795	09.3603.40ACB	736
08.0904.14	394	08.1208.ES	22	08.8572.14D1V	584	08.8886.40	199	09.0104.30A	795	09.3603.40ADA	736
08.0904.40	394	08.1209.14	31	08.8572.14D1V	585	08.8886.40.CB	199	09.0104.BZA	795	09.3604.14A	736
08.0904.AP	394	08.1209.40	31	08.8572.14DDA	584	08.8886.40.DA	199	09.0120.29B	795	09.3604.14ACB	736
08.0905.14	394	08.1209.ER	31	08.8572.14DDA	584	08.8887.14A	197	09.0120.30B	795	09.3604.14ADA	736
08.0905.40	394	08.1209.ES	31	08.8572.14DDA	585	08.8887.14A	199	09.0120.BZB	795	09.3604.40A	736
08.0905.AP	394	08.1210.14	31	08.8573.14D	584	08.8887.14A	201	09.0217.14C	316	09.3604.40ACB	736
08.0906.14	394	08.1210.40	31	08.8573.14D	584	08.8887.40A	197	09.0217.30C	316	09.3604.40ADA	736
08.0906.40	394	08.1210.ER	31	08.8573.14D	585	08.8887.40A	199	09.0218.14C	316	09.3605.14A	736
08.0906.AP	394	08.1210.ES	31	08.8573.14D1V	584	08.8887.40A	201	09.0218.30C	316	09.3605.14ACB	736
08.0910.14	394	08.1211.14	31	08.8573.14D1V	584	08.8889.14	199	09.0219.14C	316	09.3605.14ADA	736
08.0910.40	394	08.1211.40	31	08.8573.14D1V	585	08.8889.14	243	09.0219.30C	316	09.3605.40A	736
08.0910.AP	394	08.1211.ER	31	08.8573.14DDA	584	08.8889.40	199	09.0360.14	316	09.3605.40ACB	736
08.0911.14	394	08.1211.ES	31	08.8573.14DDA	584	08.8889.40	243	09.0360.30	316	09.3605.40ADA	736
08.0911.40	394	08.1212.14	31	08.8573.14DDA	585	08.8974.00	659	09.0361.14	316	09.3707.05C	734
08.0911.AP	394	08.1212.40	31	08.8590.06A	830	08.8975.00	659	09.0361.30	316	09.3707.14C	734
08.0913.14	394	08.1212.ER	31	08.8590.40A	830	08.8976.14	659	09.0362.14	316	09.3707.30C	734
08.0913.40	394	08.1212.ES	31	08.8590.AAA	830	08.8977.00	659	09.0362.30	316	09.3708.05C	734
08.0913.AP	394	08.3309.14	317	08.8591.06A	830	08.8978.00	659	09.0365.14A	316	09.3708.14C	734
08.0914.14	394	08.3310.19	317	08.8591.40A	830	08.8980.14	659	09.0365.30A	316	09.3708.30C	734
08.0914.40	394	08.8118.68	679	08.8591.AAA	830	08.8994.14	666	09.0366.14A	316	09.3710.05C	735
08.0914.AP	394	08.8119.00	678	08.8595.06A	830	08.8994.30	666	09.0366.30A	316	09.3710.14C	735
08.0915.14	394	08.8137.00	678	08.8595.40A	830	08.8995.14	666	09.0367.14A	316	09.3710.30C	735
08.0915.14	394	08.8163.68	666	08.8595.AAA	830	08.8995.30	666	09.0367.30A	316	09.3711.05C	735
08.0915.40	394	08.8163.68	752	08.8596.06A	830	08.9050.02	311	09.2110.05C	793	09.3711.14C	735
08.0915.40	394	08.8175.68	666	08.8596.40A	830	08.9050.40	311	09.2110.05CDA	793	09.3711.30C	735
08.0915.AP	394	08.8175.68	752	08.8596.AAA	830	08.9050.NS	311	09.2110.14C	793	09.3750.05A	733
08.0915.AP	394	08.8242.14	679	08.8627.68	317	08.9051.02	311	09.2110.14CDA	793	09.3750.14A	733
08.0920.14	394	08.8297.00	844	08.8634.00	243	08.9051.40	311	09.2110.40C	793	09.3750.30A	733
08.0920.40	394	08.8298.00	844	08.8662.14D	584	08.9051.NS	311	09.2110.40CDA	793	09.3751.05A	733
08.0920.AP	394	08.8359.00	678	08.8662.14D	584	08.9052.02	311	09.2111.05C	793	09.3751.14A	733
08.0921.14	394	08.8377.14	679	08.8662.14D	585	08.9052.40	311	09.2111.05CDA	793	09.3751.30A	733
08.0921.40	394	08.8410.00	666	08.8662.14D1V	584	08.9052.NS	311	09.2111.14C	793	09.3755.05A	733
08.0921.AP	394	08.8410.00	752	08.8662.14D1V	584	08.9053.02	311	09.2111.14CDA	793	09.3755.14A	733
08.0923.14	394	08.8411.00	666	08.8662.14D1V	585	08.9053.40	311	09.2111.40C	793	09.3755.30A	733
08.0923.40	394	08.8411.00	752	08.8662.14DDA	584	08.9053.NS	311	09.2111.40CDA	793	09.3756.05A	733
08.0923.AP	394	08.8418.68A	213	08.8662.14DDA	584	08.9056.02	311	09.2112.05C	793	09.3756.14A	733
08.0924.14	394	08.8418.68A	255	08.8662.14DDA	585	08.9056.40	311	09.2112.05CDA	793	09.3756.30A	733
08.0924.40	394	08.8419.14A	213	08.8663.14D	584	08.9056.NS	311	09.2112.14C	793	09.3780.05A	732
08.0924.AP	394	08.8419.14A	255	08.8663.14D	584	08.9057.02	311	09.2112.14CDA	793	09.3780.14A	732
08.0925.14	394	08.8420.00	622	08.8663.14D	585	08.9057.40	311	09.2112.40C	793	09.3780.30A	732
08.0925.14	394	08.8422.00	797	08.8663.14D1V	584	08.9057.NS	311	09.2112.40CDA	793	09.3781.05A	732
08.0925.40	394	08.8423.00	799	08.8663.14D1V	584	08.9070.14	292	09.2125.05B	793	09.3781.14A	732
08.0925.40	394	08.8427.14	210	08.8663.14D1V	585	08.9071.14	293	09.2125.05BDA	793	09.3781.30A	732
08.0925.AP	394	08.8428.00	95	08.8663.14DDA	584	08.9071.40	293	09.2125.14B	793	09.3800.05A	158
08.0925.AP	394	08.8428.00	253	08.8663.14DDA	584	08.9074.14	293	09.2125.14BDA	793	09.3800.14A	158
08.0950.00	343	08.8428.00	286	08.8663.14DDA	585	08.9076.02	787	09.2125.40B	793	09.3800.18A	158
08.0951.00	343	08.8428.00	296	08.8701.14	315	08.9076.14	787	09.2125.40BDA	793	09.3800.40A	158
08.0952.00	343	08.8428.00	666	08.8701.30	315	08.9076.40	787	09.2126.05B	793	09.3800.CZA	158
08.0953.00	343	08.8428.00	692	08.8702.14	315	08.9076.ET	787	09.2126.05BDA	793	09.3801.05A	158
08.0954.14	343	08.8428.00	752	08.8702.30	315	08.9076.EU	787	09.2126.14B	793	09.3801.14A	158
08.0954.40	343	08.8428.00	771	08.8705.14	314	08.9077.02	787	09.2126.14BDA	793	09.3801.18A	158
08.0955.14	343	08.8429.00	95	08.8705.30	314	08.9077.14	787	09.2126.40B	793	09.3801.40A	158

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09.3802.05A	158	09.3851.05	163	09.3930.05	162	09.4443.30CDA	746	09.4515.14C	662	09.4861.30BDA	742
09.3802.14A	158	09.3851.14	163	09.3930.14A	162	09.4444.14C	746	09.4515.14CDA	662	09.4862.14A	742
09.3802.18A	158	09.3851.18	163	09.3930.18A	162	09.4444.14CDA	746	09.4515.30C	662	09.4862.14BDA	742
09.3802.40A	158	09.3851.40	163	09.3930.40A	162	09.4444.30C	746	09.4515.30CDA	662	09.4862.30A	742
09.3802.CZA	158	09.3851.CZ	163	09.3930.CZA	162	09.4444.30CDA	746	09.4516.14C	662	09.4862.30BDA	742
09.3803.05A	158	09.3860.05A	160	09.3931.05	162	09.4445.14C	746	09.4516.14CDA	662	09.4863.14C	742
09.3803.14A	158	09.3860.14A	160	09.3931.14A	162	09.4445.14CDA	746	09.4516.30C	662	09.4863.14CDA	742
09.3803.18A	158	09.3860.18A	160	09.3931.18A	162	09.4445.30C	746	09.4516.30CDA	662	09.4863.30C	742
09.3803.40A	158	09.3860.40A	160	09.3931.40A	162	09.4445.30CDA	746	09.4517.14C	662	09.4863.30CDA	742
09.3803.CZA	158	09.3860.CZA	160	09.3931.CZA	162	09.4450.14C	746	09.4517.14CDA	662	09.4864.14C	742
09.3810.05A	159	09.3861.05A	160	09.3932.05	162	09.4450.14CDA	746	09.4517.30C	662	09.4864.14CDA	742
09.3810.14A	159	09.3861.14A	160	09.3932.14A	162	09.4450.30C	746	09.4517.30CDA	662	09.4864.30C	742
09.3810.18A	159	09.3861.18A	160	09.3932.18A	162	09.4450.30CDA	746	09.4518.14C	662	09.4864.30CDA	742
09.3810.40A	159	09.3861.40A	160	09.3932.40A	162	09.4451.14C	746	09.4518.14CDA	662	09.4865.14C	742
09.3810.CZA	159	09.3861.CZA	160	09.3932.CZA	162	09.4451.14CDA	746	09.4518.30C	662	09.4865.14CDA	742
09.3811.05A	159	09.3862.05A	160	09.3933.05	162	09.4451.30C	746	09.4518.30CDA	662	09.4865.30C	742
09.3811.14A	159	09.3862.14A	160	09.3933.14A	162	09.4451.30CDA	746	09.4519.14A	663	09.4865.30CDA	742
09.3811.18A	159	09.3862.18A	160	09.3933.18A	162	09.4452.14C	746	09.4519.14ADA	663	09.4870.14C	742
09.3811.40A	159	09.3862.40A	160	09.3933.40A	162	09.4452.14CDA	746	09.4519.30A	663	09.4870.14CDA	742
09.3811.CZA	159	09.3862.CZA	160	09.3933.CZA	162	09.4452.30C	746	09.4519.30ADA	663	09.4870.30C	742
09.3812.05A	159	09.3863.05A	160	09.3940.05	163	09.4452.30CDA	746	09.4520.14A	663	09.4870.30CDA	742
09.3812.14A	159	09.3863.14A	160	09.3940.14A	163	09.4460.14A	741	09.4520.14ADA	663	09.4871.14C	742
09.3812.18A	159	09.3863.18A	160	09.3940.18A	163	09.4460.14ADA	741	09.4520.30A	663	09.4871.14CDA	742
09.3812.40A	159	09.3863.40A	160	09.3940.40A	163	09.4460.30A	741	09.4520.30ADA	663	09.4871.30C	742
09.3812.CZA	159	09.3863.CZA	160	09.3940.CZA	163	09.4460.30ADA	741	09.4521.14A	663	09.4871.30CDA	742
09.3813.05A	159	09.3864.05A	160	09.3941.05	163	09.4461.14A	741	09.4521.14ADA	663	09.4872.14C	742
09.3813.14A	159	09.3864.14A	160	09.3941.14A	163	09.4461.14ADA	741	09.4521.30A	663	09.4872.14CDA	742
09.3813.18A	159	09.3864.18A	160	09.3941.18A	163	09.4461.30A	741	09.4521.30ADA	663	09.4872.30C	742
09.3813.40A	159	09.3864.40A	160	09.3941.40A	163	09.4461.30ADA	741	09.4522.14C	663	09.4872.30CDA	742
09.3813.CZA	159	09.3864.CZA	160	09.3941.CZA	163	09.4462.14A	741	09.4522.14CDA	663	09.4880.14A	747
09.3820.05A	161	09.3865.05A	160	09.3942.05	163	09.4462.14ADA	741	09.4522.30C	663	09.4880.30A	747
09.3820.14A	161	09.3865.14A	160	09.3942.14A	163	09.4462.30A	741	09.4522.30CDA	663	09.4881.14C	747
09.3820.18A	161	09.3865.18A	160	09.3942.18A	163	09.4462.30ADA	741	09.4523.14C	663	09.4881.30C	747
09.3820.40A	161	09.3865.40A	160	09.3942.40A	163	09.4463.14C	741	09.4523.14CDA	663	09.4882.14A	747
09.3820.CZA	161	09.3865.CZA	160	09.3942.CZA	163	09.4463.14CDA	741	09.4523.30C	663	09.4882.30A	747
09.3821.05A	161	09.3900.05A	158	09.3943.05	163	09.4463.30C	741	09.4523.30CDA	663	09.4883.14C	747
09.3821.14A	161	09.3900.14A	158	09.3943.14A	163	09.4463.30CDA	741	09.4524.14C	663	09.4883.30C	747
09.3821.18A	161	09.3900.18A	158	09.3943.18A	163	09.4464.14C	741	09.4524.14CDA	663	09.4884.14A	747
09.3821.40A	161	09.3900.40A	158	09.3943.40A	163	09.4464.14CDA	741	09.4524.30C	663	09.4884.30A	747
09.3821.CZA	161	09.3900.CZA	158	09.3943.CZA	163	09.4464.30C	741	09.4524.30CDA	663	09.4885.14C	747
09.3822.05A	161	09.3901.05A	158	09.3950.05	163	09.4464.30CDA	741	09.4525.14C	663	09.4885.30C	747
09.3822.14A	161	09.3901.14A	158	09.3950.14	163	09.4465.14C	741	09.4525.14CDA	663	09.4886.14C	747
09.3822.18A	161	09.3901.18A	158	09.3950.18	163	09.4465.14CDA	741	09.4525.30C	663	09.4886.30C	747
09.3822.40A	161	09.3901.40A	158	09.3950.40	163	09.4465.30C	741	09.4525.30CDA	663	09.4887.14C	747
09.3822.CZA	161	09.3901.CZA	158	09.3950.CZ	163	09.4465.30CDA	741	09.4526.14C	663	09.4887.30C	747
09.3823.05A	161	09.3902.05A	158	09.3951.05	163	09.4470.14C	741	09.4526.14CDA	663	09.4888.14C	747
09.3823.14A	161	09.3902.14A	158	09.3951.14	163	09.4470.14CDA	741	09.4526.30C	663	09.4888.30C	747
09.3823.18A	161	09.3902.18A	158	09.3951.18	163	09.4470.30C	741	09.4526.30CDA	663	09.4910.14A	664
09.3823.40A	161	09.3902.40A	158	09.3951.40	163	09.4470.30CDA	741	09.4527.14C	663	09.4910.14BDA	664
09.3823.CZA	161	09.3902.CZA	158	09.3951.CZ	163	09.4471.14C	741	09.4527.14CDA	663	09.4910.30A	664
09.3830.05	162	09.3903.05A	158	09.3960.05A	160	09.4471.14CDA	741	09.4527.30C	663	09.4910.30BDA	664
09.3830.14A	162	09.3903.14A	158	09.3960.14A	160	09.4471.30C	741	09.4527.30CDA	663	09.4911.14A	664
09.3830.18A	162	09.3903.18A	158	09.3960.18A	160	09.4471.30CDA	741	09.4840.14A	747	09.4911.14BDA	664
09.3830.40A	162	09.3903.40A	158	09.3960.40A	160	09.4472.14C	741	09.4840.14BDA	747	09.4911.30A	664
09.3830.CZA	162	09.3903.CZA	158	09.3960.CZA	160	09.4472.14CDA	741	09.4840.30A	747	09.4911.30BDA	664
09.3831.05	162	09.3910.05A	159	09.3961.05A	160	09.4472.30C	741	09.4840.30BDA	747	09.4912.14A	664
09.3831.14A	162	09.3910.14A	159	09.3961.14A	160	09.4472.30CDA	741	09.4841.14A	747	09.4912.14BDA	664
09.3831.18A	162	09.3910.18A	159	09.3961.18A	160	09.4480.14A	746	09.4841.14BDA	747	09.4912.30A	664
09.3831.40A	162	09.3910.40A	159	09.3961.40A	160	09.4480.30A	746	09.4841.30A	747	09.4912.30BDA	664
09.3831.CZA	162	09.3910.CZA	159	09.3961.CZA	160	09.4481.14C	746	09.4841.30BDA	747	09.4913.14C	664
09.3832.05	162	09.3911.05A	159	09.3962.05A	160	09.4481.30C	746	09.4842.14A	747	09.4913.14CDA	664
09.3832.14A	162	09.3911.14A	159	09.3962.14A	160	09.4482.14A	746	09.4842.14BDA	747	09.4913.30C	664
09.3832.18A	162	09.3911.18A	159	09.3962.18A	160	09.4482.30A	746	09.4842.30A	747	09.4913.30CDA	664
09.3832.40A	162	09.3911.40A	159	09.3962.40A	160	09.4483.14C	746	09.4842.30BDA	747	09.4914.14C	664
09.3832.CZA	162	09.3911.CZA	159	09.3962.CZA	160	09.4483.30C	746	09.4843.14C	747	09.4914.14CDA	664
09.3833.05	162	09.3912.05A	159	09.3963.05A	160	09.4484.14A	746	09.4843.14CDA	747	09.4914.30C	664
09.3833.14A	162	09.3912.14A	159	09.3963.14A	160	09.4484.30A	746	09.4843.30C	747	09.4914.30CDA	664
09.3833.18A	162	09.3912.18A	159	09.3963.18A	160	09.4485.14C	746	09.4843.30CDA	747	09.4915.14C	664
09.3833.40A	162	09.3912.40A	159	09.3963.40A	160	09.4485.30C	746	09.4844.14C	747	09.4915.14CDA	664
09.3833.CZA	162	09.3912.CZA	159	09.3963.CZA	160	09.4486.14C	746	09.4844.14CDA	747	09.4915.30C	664
09.3840.05	163	09.3913.05A	159	09.3964.05A	160	09.4486.30C	746	09.4844.30C	747	09.4915.30CDA	664
09.3840.14A	163	09.3913.14A	159	09.3964.14A	160	09.4487.14C	746	09.4844.30CDA	747	09.4916.14C	664
09.3840.18A	163	09.3913.18A	159	09.3964.18A	160	09.4487.30C	746	09.4845.14C	747	09.4916.14CDA	664
09.3840.40A	163	09.3913.40A	159	09.3964.40A	160	09.4488.14C	746	09.4845.14CDA	747	09.4916.30C	664
09.3840.CZA	163	09.3913.CZA	159	09.3964.CZA	160	09.4488.30C	746	09.4845.30C	747	09.4916.30CDA	664
09.3841.05	163	09.3920.05A	161	09.3965.05A	160	09.4510.14A	662	09.4845.30CDA	747	09.4917.14C	664
09.3841.14A	163	09.3920.14A	161	09.3965.14A	160	09.4510.14ADA	662	09.4850.14C	747	09.4917.14CDA	664
09.3841.18A	163	09.3920.18A	161	09.3965.18A	160	09.4510.30A	662	09.4850.14CDA	747	09.4917.30C	664
09.3841.40A	163	09.3920.40A	161	09.3965.40A	160	09.4510.30ADA	662	09.4850.30C	747	09.4917.30CDA	664
09.3841.CZA	163	09.3920.CZA	161	09.3965.CZA	160	09.4511.14A	662	09.4850.30CDA	747	09.4918.14C	664
09.3842.05	163	09.3921.05A	161	09.4440.14A	746	09.4511.14ADA	662	09.4851.14C	747	09.4918.14CDA	664
09.3842.14A	163	09.3921.14A	161	09.4440.14BDA	746	09.4511.30A	662	09.4851.14CDA	747	09.4918.30C	664
09.3842.18A	163	09.3921.18A	161	09.4440.30A	746	09.4511.30ADA	662	09.4851.30C	747	09.4918.30CDA	664
09.3842.40A	163	09.3921.40A	161	09.4440.30BDA	746	09.4512.14A	662	09.4851.30CDA	747	09.4919.14A	665
09.3842.CZA	163	09.3921.CZA	161	09.4441.14A	746	09.4512.14ADA	662	09.4852.14C	747	09.4919.14BDA	665
09.3843.05	163	09.3922.05A	161	09.4441.14BDA	746	09.4512.30A	662	09.4852.14CDA	747	09.4919.30A	665
09.3843.14A	163	09.3922.14A	161	09.4441.30A	746	09.4512.30ADA	662	09.4852.30C	747	09.4919.30BDA	665
09.3843.18A	163	09.3922.18A	161	09.4441.30BDA	746	09.4513.14C	662	09.4852.30CDA	747	09.4920.14A	665
09.3843.40A	163	09.3922.40A	161	09.4442.14A	746	09.4513.14CDA	662	09.4860.14A	742	09.4920.14BDA	665
09.3843.CZA	163	09.3922.CZA	161	09.4442.14BDA	746	09.4513.30C	662	09.4860.14BDA	742	09.4920.30A	665
09.3850.05	163	09.3923.05A	161	09.4442.30A	746	09.4513.30CDA	662	09.4860.30A	742	09.4920.30BDA	665
09.3850.14	163	09.3923.14A	161	09.4442.30BDA	746	09.4514.14C	662	09.4860.30BDA	742	09.4921.14A	665
09.3850.18	163	09.3923.18A	161	09.4443.14C	746	09.4514.14CDA	662	09.4861.14A	742	09.4921.14BDA	665
09.3850.40	163	09.3923.40A	161	09.4443.14CDA	746	09.4514.30C	662	09.4861.14BDA	742	09.4921.30A	665

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09.4921.30BDA	665	09.7272.40B	749	09.7321.40A	770	09.7708.30CYU	743	09.8112.WA.DA	725	09.8214.WAACB	729
09.4922.14C	665	09.7272.40D78	749	09.7322.14A	770	09.7750.14B	744	09.8112.WA.PC	724	09.8214.WA.DA	728
09.4922.14CDA	665	09.7273.14B	749	09.7322.40A	770	09.7750.14BDA	744	09.8113.DR	724	09.8214.WA.PC	727
09.4922.30C	665	09.7273.40D	749	09.7323.14A	770	09.7750.30B	744	09.8113.DRACB	726	09.8215.DR	727
09.4922.30CDA	665	09.7273.40D78	749	09.7323.40A	770	09.7750.30B78	744	09.8113.DR.DA	725	09.8215.DRACB	729
09.4923.14C	665	09.7274.14B	749	09.7324.14A	770	09.7750.30BDA	744	09.8113.DR.PC	724	09.8215.DR.DA	728
09.4923.14CDA	665	09.7274.40B	749	09.7324.40A	770	09.7750.30BYU	744	09.8113.WA	724	09.8215.DR.PC	727
09.4923.30C	665	09.7274.40B78	749	09.7325.14A	770	09.7751.14C	744	09.8113.WAACB	726	09.8215.WA	727
09.4923.30CDA	665	09.7275.14B	749	09.7325.40A	770	09.7751.14CDA	744	09.8113.WA.DA	725	09.8215.WAACB	729
09.4924.14C	665	09.7275.40B78	749	09.7326.14A	770	09.7751.30C	744	09.8113.WA.PC	724	09.8215.WA.DA	728
09.4924.14CDA	665	09.7275.40D	749	09.7326.40A	770	09.7751.30C78	744	09.8114.DR	724	09.8215.WA.PC	727
09.4924.30C	665	09.7276.14D	749	09.7327.14A	770	09.7751.30CDA	744	09.8114.DRACB	726	09.8216.DR	727
09.4924.30CDA	665	09.7276.40B78	749	09.7327.40A	770	09.7751.30CYU	744	09.8114.DR.DA	725	09.8216.DRACB	729
09.4925.14C	665	09.7276.40D	749	09.7328.14A	770	09.7752.14B	744	09.8114.DR.PC	724	09.8216.DR.DA	728
09.4925.14CDA	665	09.7277.14D	749	09.7328.40A	770	09.7752.14BDA	744	09.8114.WA	724	09.8216.DR.PC	727
09.4925.30C	665	09.7277.40B	749	09.7373.14	751	09.7752.30B	744	09.8114.WAACB	726	09.8216.WA	727
09.4925.30CDA	665	09.7277.40D78	749	09.7373.40	751	09.7752.30B78	744	09.8114.WA.DA	725	09.8216.WAACB	729
09.4926.14C	665	09.7278.14D	749	09.7373.40.78	751	09.7752.30BDA	744	09.8114.WA.PC	724	09.8216.WA.DA	728
09.4926.14CDA	665	09.7278.40B	749	09.7374.14	751	09.7752.30BYU	744	09.8115.DR	724	09.8216.WA.PC	727
09.4926.30C	665	09.7278.40D78	749	09.7374.40	751	09.7753.3C78	744	09.8115.DRACB	726	09.8217.DR	727
09.4926.30CDA	665	09.7290.14B	769	09.7374.40.78	751	09.7753.14C	744	09.8115.DR.DA	725	09.8217.DRACB	729
09.4927.14C	665	09.7290.40B	769	09.7375.14	751	09.7753.14CDA	744	09.8115.DR.PC	724	09.8217.DR.DA	728
09.4927.14CDA	665	09.7291.14B	769	09.7375.40	751	09.7753.30C	744	09.8115.WA	724	09.8217.DR.PC	727
09.4927.30C	665	09.7291.40B	769	09.7375.40.78	751	09.7753.30CDA	744	09.8115.WAACB	726	09.8217.WA	727
09.4927.30CDA	665	09.7292.14B	769	09.7500.14A	277	09.7753.30CYU	744	09.8115.WA.DA	725	09.8217.WAACB	729
09.4950.14A	748	09.7292.40D	769	09.7500.40A	277	09.7754.14B	744	09.8115.WA.PC	724	09.8217.WA.DA	728
09.4950.14BDA	748	09.7293.14B	769	09.7500.40A78	277	09.7754.14BDA	744	09.8116.DR	724	09.8217.WA.PC	727
09.4950.30A	748	09.7293.40B	769	09.7501.14A	277	09.7754.30B	744	09.8116.DRACB	726	09.8218.DR	727
09.4950.30BDA	748	09.7294.14B	769	09.7501.40A	277	09.7754.30B78	744	09.8116.DR.DA	725	09.8218.DRACB	729
09.4951.14A	748	09.7294.40D	769	09.7501.40A78	277	09.7754.30BDA	744	09.8116.DR.PC	724	09.8218.DR.DA	728
09.4951.30A	748	09.7295.14B	769	09.7504.14	751	09.7754.30BYU	744	09.8116.WA	724	09.8218.DR.PC	727
09.4953.14C	748	09.7295.40B	769	09.7504.14.DA	751	09.7755.14C	744	09.8116.WAACB	726	09.8218.WA	727
09.4953.14CDA	748	09.7296.14B	769	09.7504.40	751	09.7755.14CDA	744	09.8116.WA.DA	725	09.8218.WAACB	729
09.4953.30C	748	09.7296.40B	769	09.7504.40.78	751	09.7755.30C	744	09.8116.WA.PC	724	09.8218.WA.DA	728
09.4953.30CDA	748	09.7297.14B	769	09.7504.40.DA	751	09.7755.30C78	744	09.8117.DR	724	09.8218.WA.PC	727
09.4954.14C	748	09.7297.40D	769	09.7504.40.YU	751	09.7755.30CDA	744	09.8117.DRACB	726	09.8219.DR	727
09.4954.30C	748	09.7298.14D	769	09.7505.14	751	09.7755.30CYU	744	09.8117.DR.DA	725	09.8219.DRACB	729
09.4956.14C	748	09.7298.40D	769	09.7505.14.DA	751	09.7756.14C	744	09.8117.DR.PC	724	09.8219.DR.DA	728
09.4956.14CDA	748	09.7300.14B	276	09.7505.40	751	09.7756.14CDA	744	09.8117.WA	724	09.8219.DR.PC	727
09.4956.30C	748	09.7300.40B	276	09.7505.40.78	751	09.7756.30C	744	09.8117.WAACB	726	09.8219.WA	727
09.4956.30CDA	748	09.7300.40B78	276	09.7505.40.DA	751	09.7756.30C78	744	09.8117.WA.DA	725	09.8219.WAACB	729
09.4957.14C	748	09.7301.14B	276	09.7505.40.YU	751	09.7756.30CDA	744	09.8117.WA.PC	724	09.8219.WA.DA	728
09.4957.30C	748	09.7301.40B	276	09.7700.14A	743	09.7756.30CYU	744	09.8118.DR	724	09.8219.WA.PC	727
09.4980.14	748	09.7301.40B78	276	09.7700.14CDA	743	09.7757.14C	744	09.8118.DRACB	726	09.8220.AH	347
09.4980.14ADA	748	09.7302.14B	276	09.7700.30A	743	09.7757.14CDA	744	09.8118.DR.DA	725	09.8220.DR	347
09.4980.30	748	09.7302.40B	276	09.7700.30A78	743	09.7757.30C	744	09.8118.DR.PC	724	09.8220.DV	347
09.4980.30ADA	748	09.7302.40B78	276	09.7700.30CDA	743	09.7757.30C78	744	09.8118.WA	724	09.8220.DW	347
09.4981.14	748	09.7303.14B	276	09.7700.30CYU	743	09.7757.30CDA	744	09.8118.WAACB	726	09.8220.DX	347
09.4981.14ADA	748	09.7303.40B	276	09.7701.14C	743	09.7757.30CYU	744	09.8118.WA.DA	725	09.8220.DY	347
09.4981.30	748	09.7303.40B78	276	09.7701.14CDA	743	09.7758.14C	744	09.8118.WA.PC	724	09.8221.AH	347
09.4981.30ADA	748	09.7304.14B	276	09.7701.30C	743	09.7758.14CDA	744	09.8119.DR	724	09.8221.DR	347
09.4982.14	748	09.7304.40B	276	09.7701.30C78	743	09.7758.30C	744	09.8119.DRACB	726	09.8221.DV	347
09.4982.14ADA	748	09.7304.40B78	276	09.7701.30CDA	743	09.7758.30C78	744	09.8119.DR.DA	725	09.8221.DW	347
09.4982.30	748	09.7305.14B	276	09.7701.30CYU	743	09.7758.30CDA	744	09.8119.DR.PC	724	09.8221.DX	347
09.4982.30ADA	748	09.7305.40B	276	09.7702.14A	743	09.7758.30CYU	744	09.8119.WA	724	09.8221.DY	347
09.4983.14	748	09.7305.40B78	276	09.7702.14CDA	743	09.7770.14B	745	09.8119.WAACB	726	09.8222.AH	347
09.4983.30	748	09.7306.14B	276	09.7702.30A	743	09.7770.14BDA	745	09.8119.WA.DA	725	09.8222.DR	347
09.4984.14	748	09.7306.40B	276	09.7702.30A78	743	09.7770.30B	745	09.8119.WA.PC	724	09.8222.DV	347
09.4984.30	748	09.7306.40B78	276	09.7702.30CDA	743	09.7770.30B78	745	09.8210.DR	727	09.8222.DW	347
09.4985.14	748	09.7307.14B	276	09.7702.30CYU	743	09.7770.30BDA	745	09.8210.DRACB	729	09.8222.DX	347
09.4985.30	748	09.7307.40B	276	09.7703.14C	743	09.7770.30BYU	745	09.8210.DR.DA	728	09.8222.DY	347
09.7210.14C	275	09.7307.40B78	276	09.7703.14CDA	743	09.7771.14C	745	09.8210.DR.PC	727	09.8230.AH	347
09.7210.40C78	275	09.7308.14B	276	09.7703.30C	743	09.7771.14CDA	745	09.8210.WA	727	09.8230.DR	347
09.7210.40D	275	09.7308.40B	276	09.7703.30C78	743	09.7771.30C	745	09.8210.WAACB	729	09.8230.DV	347
09.7211.14C	275	09.7308.40B78	276	09.7703.30CDA	743	09.7771.30C78	745	09.8210.WA.DA	728	09.8230.DW	347
09.7211.40C	275	09.7310.14A	750	09.7703.30CYU	743	09.7771.30CDA	745	09.8210.WA.PC	727	09.8230.DX	347
09.7211.40C78	275	09.7310.40A	750	09.7704.14A	743	09.7771.30CYU	745	09.8211.DR	727	09.8230.DY	347
09.7212.14C	275	09.7310.40A78	750	09.7704.14CDA	743	09.7772.14C	745	09.8211.DRACB	729	09.8231.AH	347
09.7212.40C	275	09.7311.14A	750	09.7704.30A	743	09.7772.14CDA	745	09.8211.DR.DA	728	09.8231.DR	347
09.7212.40C78	275	09.7311.40A	750	09.7704.30A78	743	09.7772.30C	745	09.8211.DR.PC	727	09.8231.DV	347
09.7213.14C	275	09.7311.40A78	750	09.7704.30CDA	743	09.7772.30C78	745	09.8211.WA	727	09.8231.DW	347
09.7213.40C	275	09.7312.14A	750	09.7704.30CYU	743	09.7772.30CDA	745	09.8211.WAACB	729	09.8231.DX	347
09.7213.40C78	275	09.7312.40A	750	09.7705.14C	743	09.7772.30CYU	745	09.8211.WA.DA	728	09.8231.DY	347
09.7214.14C	275	09.7312.40A78	750	09.7705.14CDA	743	09.8110.DR	724	09.8211.WA.PC	727	09.8232.AH	347
09.7214.40C	275	09.7313.14A	750	09.7705.30C	743	09.8110.DRACB	726	09.8212.DR	727	09.8232.DR	347
09.7214.40C78	275	09.7313.40A	750	09.7705.30C78	743	09.8110.DR.DA	725	09.8212.DRACB	729	09.8232.DV	347
09.7215.14C	275	09.7313.40A78	750	09.7705.30CDA	743	09.8110.DR.PC	724	09.8212.DR.DA	728	09.8232.DW	347
09.7215.40C	275	09.7314.14A	750	09.7705.30CYU	743	09.8110.WA	724	09.8212.DR.PC	727	09.8232.DX	347
09.7215.40C78	275	09.7314.40A	750	09.7706.14C	743	09.8110.WAACB	726	09.8212.WA	727	09.8232.DY	347
09.7216.14D	275	09.7314.40A78	750	09.7706.14CDA	743	09.8110.WA.DA	725	09.8212.WAACB	729	09.8300.AH	345
09.7216.40D	275	09.7315.14A	750	09.7706.30C	743	09.8110.WA.PC	724	09.8212.WA.DA	728	09.8300.DR	345
09.7216.40D78	275	09.7315.40A	750	09.7706.30C78	743	09.8111.DR	724	09.8212.WA.PC	727	09.8300.DV	345
09.7217.14D	275	09.7315.40A78	750	09.7706.30CDA	743	09.8111.DRACB	726	09.8213.DR	727	09.8300.DW	345
09.7217.40D	275	09.7316.14A	750	09.7706.30CYU	743	09.8111.DR.DA	725	09.8213.DRACB	729	09.8300.DX	345
09.7217.40D78	275	09.7316.40A	750	09.7707.14C	743	09.8111.DR.PC	724	09.8213.DR.DA	728	09.8300.DY	345
09.7218.14D	275	09.7316.40A78	750	09.7707.14CDA	743	09.8111.WA	724	09.8213.DR.PC	727	09.8301.AH	345
09.7218.40D	275	09.7317.14A	750	09.7707.30C	743	09.8111.WAACB	726	09.8213.WA	727	09.8301.DR	345
09.7218.40D78	275	09.7317.40A	750	09.7707.30C78	743	09.8111.WA.DA	725	09.8213.WAACB	729	09.8301.DV	345
09.7270.14B	749	09.7317.40A78	750	09.7707.30CDA	743	09.8111.WA.PC	724	09.8213.WA.DA	728	09.8301.DW	345
09.7270.40B	749	09.7318.14A	750	09.7707.30CYU	743	09.8112.DR	724	09.8213.WA.PC	727	09.8301.DX	345
09.7270.40B78	749	09.7318.40A	750	09.7708.14C	743	09.8112.DRACB	726	09.8214.DR	727	09.8301.DY	345
09.7271.14B	749	09.7318.40A78	750	09.7708.14CDA	743	09.8112.DR.DA	725	09.8214.DRACB	729	09.8302.AH	345
09.7271.40B78	749	09.7320.14A	770	09.7708.30C	743	09.8112.DR.PC	724	09.8214.DR.DA	728	09.8302.DR	345
09.7271.40D	749	09.7320.40A	770	09.7708.30C78	743	09.8112.WA	724	09.8214.DR.PC	727	09.8302.DV	345
09.7272.14B	749	09.7321.14A	770	09.7708.30CDA	743	09.8112.WAACB	726	09.8214.WA	727	09.8302.DW	345

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09.8302.DX	345	60.3028.29	802	60.3101.14	800	60.9233	806	60.9957	813		
09.8302.DY	345	60.3028.29ADA	802	60.3101.14ADA	800	60.9276	807	60.9957.0300	813		
09.8310.AH	345	60.3029.11	802	60.3101.29	800	60.9352	121	60.9957.0500	813		
09.8310.DR	345	60.3029.11ADA	802	60.3101.29ADA	800	60.9352	195	60.9958	810		
09.8310.DV	345	60.3029.14	802	60.3102.11	800	60.9352	197	60.9988	810		
09.8310.DW	345	60.3029.14ADA	802	60.3102.11ADA	800	60.9352	201	ATP0001A0EAB1	272		
09.8310.DX	345	60.3029.29	802	60.3102.14	800	60.9352	814	ATP0002A0EAB1	272		
09.8310.DY	345	60.3029.29ADA	802	60.3102.14ADA	800	60.9352	845	ATP0003A0EAB1	272		
09.8311.AH	345	60.3036.11	802	60.3102.29	800	60.9374	164	ATP0101A0EAB1	272		
09.8311.DR	345	60.3036.11ADA	802	60.3102.29ADA	800	60.9374	186	ATP0102A0EAB1	272		
09.8311.DV	345	60.3036.14	802	60.3103.11	800	60.9379	812	ATP0103A0EAB1	272		
09.8311.DW	345	60.3036.14ADA	802	60.3103.11ADA	800	60.9387	811	ATP0104A0EAB1	272		
09.8311.DX	345	60.3036.29	802	60.3103.14	800	60.9394	186	ATP0105A0EAB1	272		
09.8311.DY	345	60.3036.29ADA	802	60.3103.14ADA	800	60.9395	245	ATP0106A0EAB1	272		
09.8312.AH	345	60.3037.11	802	60.3103.29	800	60.9405	808	ATP0201A0EAZZ	273		
09.8312.DR	345	60.3037.11ADA	802	60.3103.29ADA	800	60.9407	195	ATP0202A0EAB1	273		
09.8312.DV	345	60.3037.14	802	60.3104.11	800	60.9407	197	ATP0205A0EAB1	273		
09.8312.DW	345	60.3037.14ADA	802	60.3104.11ADA	800	60.9407	201	F0556020	791		
09.8312.DX	345	60.3037.29	802	60.3104.14	800	60.9407	589	F0557020	791		
09.8312.DY	345	60.3037.29ADA	802	60.3104.29	800	60.9407	814	M8.0160.14	552		
09.8400.05	322	60.3038.11	801	60.3104.29ADA	800	60.9408	812	M8.0160.40	552		
09.8400.DR	322	60.3038.11ADA	801	60.3145.11	801	60.9414	811	M8.0161.14	553		
09.8400.DY	322	60.3038.12	801	60.3145.14	801	60.9421	808	M8.0161.40	553		
09.8400.GX	322	60.3038.12ADA	801	60.3146.11	801	60.9427A	35	M8.0164.14	552		
09.8400.MR	322	60.3038.14	801	60.3146.14	801	60.9427A	815	M8.0164.40	552		
09.8400.SB	322	60.3038.14ADA	801	60.3810.11	800	60.9439	809	M8.0165.14	553		
09.8400.VL	322	60.3039.11	801	60.3810.11ADA	800	60.9443	164	M8.0165.40	553		
09.8401.05	322	60.3039.11ADA	801	60.3810.14	800	60.9443	186	M8.0166.00	552		
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09.8401.VL	322	60.3043.11ADA	802	60.3820.14	800	60.9515	814	SA.1001.3.003	835		
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09.8405.MR	322	60.3044.11	802	60.3830.11ADA	800	60.9601	808	SA.1003.3.004	836		
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09.8406.DY	322	60.3044.14ADA	802	60.7661	812	60.9607	241	SA.1005.3.004	837		
09.8406.GX	322	60.3046.11	802	60.7677	807	60.9607	297	SA.1005.3.102	837		
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09.9070.BWA	295	60.3047.14	802	60.7774	813	60.9681	814	SA.1007.6E100	838		
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09.9071.BWA	295	60.3047.29	802	60.7783	815	60.9692	811	SA.1008.5E110	839		
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09.9072.BWA	295	60.3048.11	802	60.7887	813	60.9705A	815	SA.1009.4.300	839		
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09.9086.14A	296	60.3051.11ADA	802	60.8640	589	60.9766	589	SA.1052.1	585		
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60.3028.14ADA	802	60.3101.11ADA	800	60.9222	807	60.9954.0500	813				

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Flos Architectural Team

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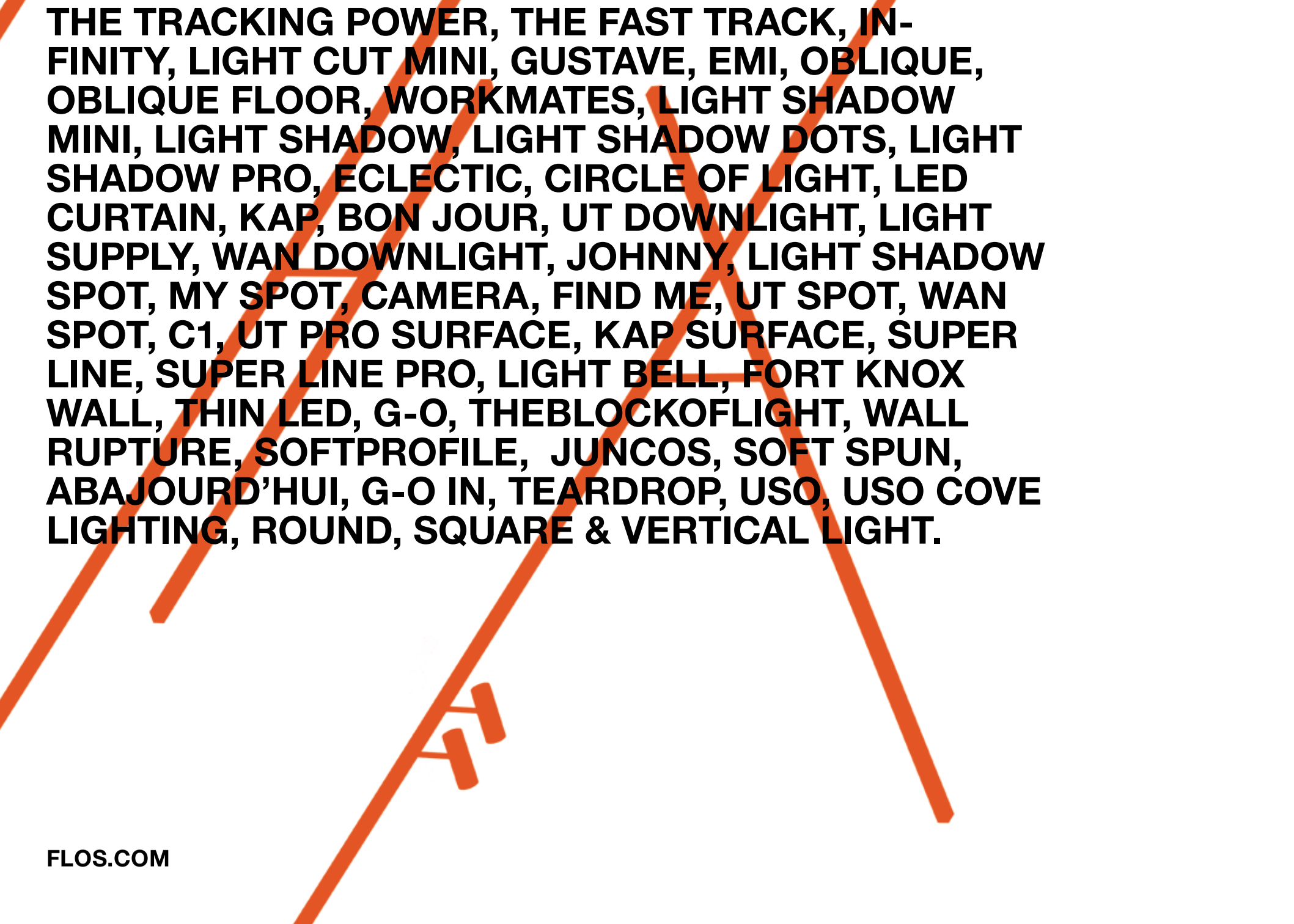

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