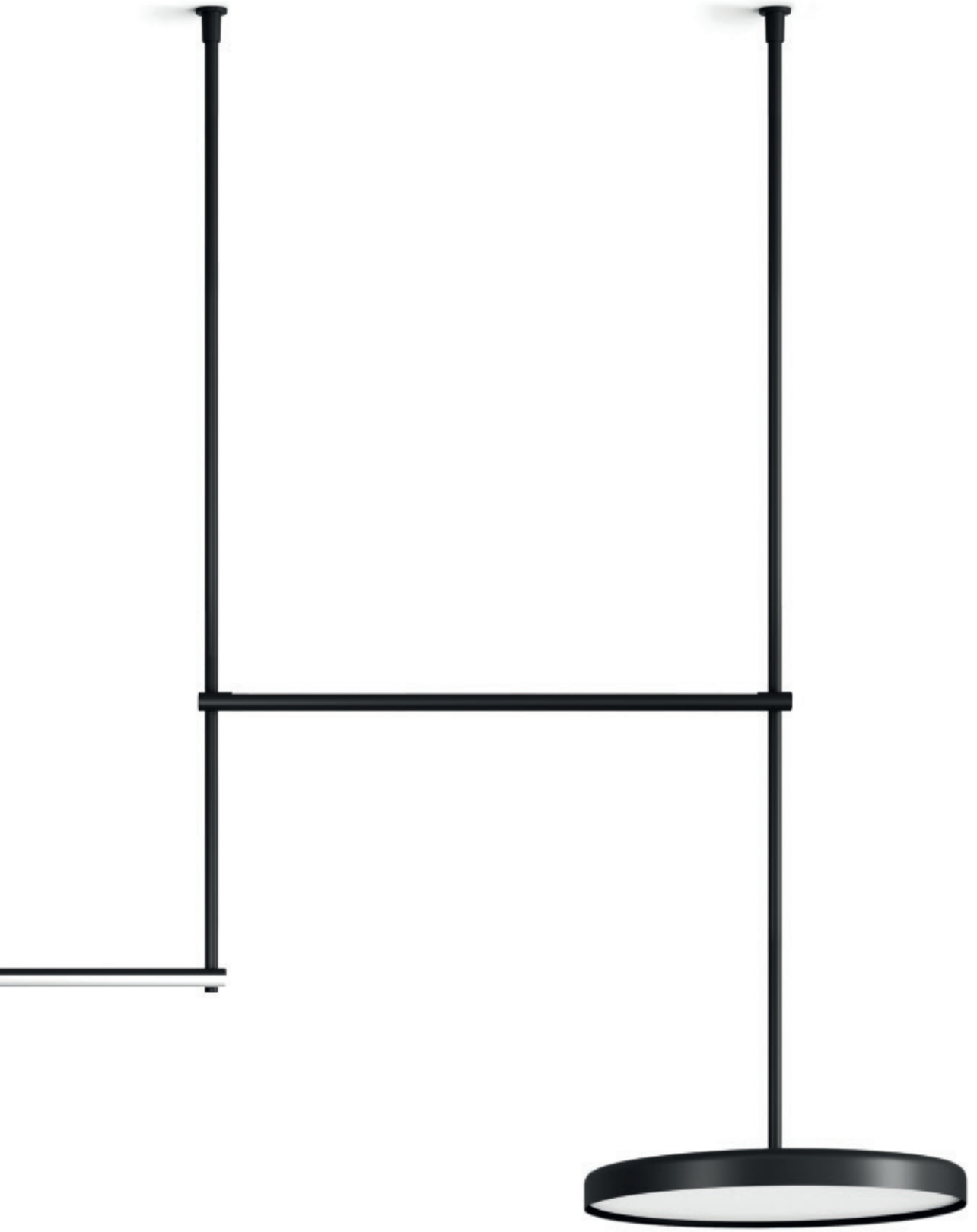
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FLOS
ARCHITECTURAL

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NEW This marker appears alongside Product News / Este marcador aparece en las novedades de Producto

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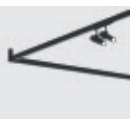
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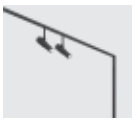
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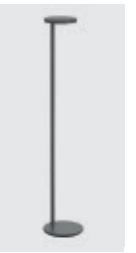


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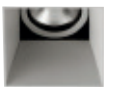
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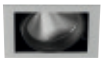
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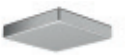
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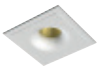
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FLOS Architectural

	Primer	Glass	White	Matt White	Textured White	Black	Matt Black	Anodized Black	Grey	Anodice Grey	Mercury	Anodic Ice	Anodized Aluminium	Polished Aluminium	Brushed Aluminium	Chrome	Smoke Glass	Stainless Steel	Concrete	Anthracite	Salvia	Teak	Brown	Deep Brown	Dark Brown	Anodized Bronze	Wenge	Bronze	Gold	Matt Gold	Orange	Copper	Galvanic Copper	Rust	Red Glass	Blue	Violet	Green	Brushed Copper	Brushed Steel	Brushed Bronze	Natural Leather	Green Leather
BELT						•																																				•	•
INFRA-STRUCTURE			•			•										•	•											•						•									
INFRA-STRUCTURE EPISODE 2			•			•																						•															
DIVERSION			•			•					•														•																		
ZERO TRACK			•			•										•							•		•																		
THE MICRO RUNNING MAGNET			•			•																																					
THE RUNNING MAGNET			•			•										•																												
THE TRACKING MAGNET			•			•								•																													
THE TRACKING POWER			•			•																																					
THE FAST TRACK			•			•																																					
IN-FINITY			•			•				•																																	
LED SQUAD			•			•			•																																		
LIGHT CUT MINI			•			•																																					
MOONLINE	•		•																																								
OBLIQUE / OBLIQUE FLOOR			•						•										•	•		•											•										
LIGHT SHADOW			•			•										•													•														
LIGHT SHADOW PRO&DOTS			•			•										•													•														
CIRCLE OF LIGHT						•																																					
LED CURTAIN			•																																								
KAP			•			•																							•		•				•								
BON JOUR			•			•																									•												
LIGHT SHOOTER			•			•																																					
LIGHT SNIPER			•			•																							•														
UT DOWNLIGHT			•			•																																					
LIGHT SUPPLY			•			•																																					
PURE DOWNLIGHT			•			•			•																																		
COMPASS			•			•			•																																		
ANTHONY DOWNLIGHT			•			•										•																											
WAN DOWNLIGHT			•			•								•																								•					
LIGHT SOLDIER			•			•			•																																		
DECOFIX			•			•																																					
JOHNNY			•			•													•			•																					
COMPASS BOX RECESSED			•			•																																					
BATTERY				•			•				•																																
MICRO BATTERY				•			•				•																																
CAMERA					•															•																							
FIND ME			•			•										•																											
UT SPOT			•			•																																					
SOLID PURE			•			•																																					
PURE SPOT			•			•			•																																		
WAN SPOT			•			•								•																								•					
FORT KNOX			•			•																																					
C1			•																	•																			•	•	•		
UT PRO SURFACE			•			•																																					
KAP SURFACE			•			•									•								•						•		•				•								
COMPASS BOX				•			•					•										•				•																	
SUPER LINE			•			•			•																																		
SUPER FLAT			•			•			•																																		
LIGHT BELL		•	•				•	•				•	•						•						•			•				•										
FORT KNOX WALL			•			•							•																														
THIN LED			•									•	•													•																	
WALL SYSTEM			•			•										•																												
G-O			•					•				•						•									•																
THEBLOCKOFLIGHT				•			•		•																																		
GIANO				•			•		•																•																		
BOX				•			•		•																•																		

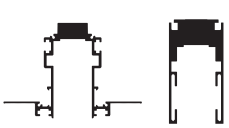
FLOS Soft Architecture

	Primer	Glass	White	Matt White	Textured White	Black	Matt Black	Anodized Black	Grey	Anodice Grey	Mercury	Anodic Ice	Anodized Aluminium	Polished Aluminium	Brushed Aluminium	Chrome	Smoke Glass	Stainless Steel	Concrete	Anthracite	Salvia	Teak	Brown	Deep Brown	Dark Brown	Anodized Bronze	Wenge	Bronze	Gold	Matt Gold	Orange	Copper	Galvanic Copper	Rust	Red Glass	Blue	Violet	Green	Brushed Copper	Brushed Steel	Brushed Bronze	Natural Leather	Green Leather
WALL RUPTURE												•																	•														
SOFTPROFILE			•									•																	•														
JUNCOS			•			•										•																											
WALL PIERCING			•									•																															
APPS			•																											•						•						

LIGHT STRUCTURES

Belt, Infra-Structure, Infra-Structure Episode 2, Diversion, Zero Track, The Micro Running Magnet, The Running Magnet, The Tracking Magnet, The Tracking Power, The Fast Track, In-Finity, LED Squad, Light Cut Mini.

LIGHT STRUCTURES OVERVIEW

		MICRO RUNNING MAGNET		RUNNING MAGNET			FAST TRACK	
								
PHYSICAL CHARACTERISTICS	MOUNTING	SURFACE	RECESSED	RECESSED	SURFACE	SUSPENSION Down / Up & Down	RECESSED	SURFACE
	COLORS							
	VOLTAGE / TRACK ADAPTER	24 Vdc In-Track		24 Vdc In-Track			48 Vdc In-Track	
	INNER GAP (mm)	5		35			35	
	OUTER GAP (mm)	-	9	-	41		-	49
	RECESSED DEPTH (mm)	-	17	73,5	-	-	73,5	-
	HEIGHT (mm)	14	-	86 / 73	100	100	86 /73	92
	LENGTH (mm)	1000 / 2000 / 3000		1000 / 1500 / 2000 / 2500 / 3000			1000 / 1500 / 2000 / 3000	
	PROFILE EMISSION	✗ (Direct emission & Wall-Washer by means of dedicated light modules)		✓ (Upper emission integrated / direct emission by means of dedicated light modules)			✗	
CONTROL CHARACTERISTICS	NON DIMMABLE	✓		✓			✗	
	DALI	✓		✓			✗	
	CASAMBI	✓ (Individual control integrated)		✓ (Individual control integrated)			✓ (Individual control integrated)	
	1 - 10V	✓		✗			✗	
	PUSH	✗		✗			✗	
	MAIN DIMMING	✗		✗			✗	
	UP&DOWN (Indep)	—		✓			—	
COMPATIBLE LIGHT MODULES	ACCENT LIGHTING	Nano Spot  Micro Spot 	Light Shadow Spot  Spot 	Spot Module  Multi Spot 4 	Spot 120  Light Shadow / Wall-Washer 	Anthony Spot Track  Find Me Suspension 	Spot 100  Spot 175 	Spot 120 
	DIFFUSED LIGHTING	Light Stripe Diffused  String Light Ball 	Light Stripe Wall-Washer 	Light Stripe  String Light Cone 	Mini Glo-Ball 	Mini Glo-Ball Suspension 	—	

LIGHT STRUCTURES OVERVIEW

	TRACKING MAGNET			INFRA-STRUCTURE	INFRA-STRUCTURE EPISODE 2	DIVERSION	ZERO TRACK	TRACKING POWER	
									
	RECESSED	SUSP / SURF Down	SUSPENSION Up & Down	SUSPENSION	SURFACE	SURFACE SUSPENSION	SURFACE	RECESSED	SURFACE
	48 Vdc In-Track			48 Vdc In-Track	48 Vdc	24 Vdc In-Track	24 Vdc In-Track	240 / 220 Vac In-Track	
	15			15	-	12	8	15	
	-	25		30	-	16	17	15	
	31,5	-	-	-	-	-	-	24,5	-
	45 / 31	46	52	100 / 300 400 / 700	100 / 200 / 400 600 / 800 / 1000	7	7	37 / 24	32
	1000 / 1500 / 2000 / 2500 / 3000			1100 / 1600	900 / 1200 / 1500	1000 / 1500 / 2000 / 2500	1000 / 2000 / 3000	1000 / 2000 / 3000 / 4000	1000 / 2000 / 3000
	✓ (Upper emission integrated / direct emission by means of dedicated light modules)			✗ (Requires dedicated light modules)	✗ (Requires dedicated light modules)	✓ (Down / Up - Down emission)	-	✗	
	✓			✓	✓	✓	✓	✗	
	✓			✓	✓	✓	✓	✓ (Only Wall-Washer)	
	✓ (Individual control integrated)			✓ (Individual control integrated)	✓ (Broadcast control)	✓ (Individual control integrated)	✓ (Individual control integrated)	✗	
	✓			✓	✓	✓	✓	✗	
	✗			✗	✓	✗	✗	✗	
	✗			✗	✗	✗	✗	✗	
	✓			✓	✓	Up 50%	—	—	
	Spot 50 	Spot 90 	Spot 120 	Spot 150 		Atom 90 	Atom 120 	Find Me 0 	UT Pro 150  UT Pro 175 
	Anthony Spot Track 					Find Me 1 	Find Me 2 	Find Me Suspension 	UT Pro 175 Lens  Camera 60  Camera 90 
	Light Stripe 	Wallee 		Suspension Glass Downlight 110  Suspension Panel 600  Light Tube Direct / Indirect / Blind 	Light Tube Covered  Suspension Cone 300 / 400  Suspension Panel 600  Light Tube Direct / Indirect 		Atom 200 		UT Pro Wall-Washer 

BELT

DESIGNED BY RONAN&ERWAN BOUROULLEC



LIGHT SOURCE
TOP LED
27,5W/m
915 lm/m Up
2000 lm/m Down
2700K/CRI 95

LIGHT SOURCE
TOP LED
29W/m
1050 lm/m Up
2450 lm/m Down
3000K/CRI 95

GN Green
GN Verde



18 Natural Leather
18 Cuero Natural



14 Black
14 Negro



Description
This iconic profile for suspended installation features a refined leather 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, 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 leather 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 leather strap, which supports the composition.
Profiles available with 2- and 3-m lengths in black, natural leather, and green finishes.

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.

Descripción
Este perfil icónico para instalación suspendida se caracteriza por una cobertura de cuero de alta calidad desarrollada a medida para Flos Architectural con el fin de responder a las exigencias de seguridad y limpieza de entornos públicos y privados.
Belt es pura flexibilidad, una línea sinuosa cuya carácteristica es el equilibrio entre la ductilidad del cuero y la rigidez del aluminio. El elemento blando está representado por la conexión a la red eléctrica, mientras que las partes rígidas corresponden a las fuentes luminosas de las largas líneas de luz.
Cada perfil está dotado de iluminación integrada directa e indirecta y se puede controlar cada emisión de forma individual mediante el control remoto de la instalación.
La instalación del producto se realiza mediante tirantes de cuero que sirven para suspender el perfil luminoso haciendo que se deslice a través de hebillas metálicas específicas que hacen las veces de ganchos de techo. Cada tirante puede ser ajustado para respetar la conformación del entorno.
Gracias a un microconector especial integrado en el terminal del perfil luminoso permite hacer la conexión eléctrica con un simple clic. El elemento de conexión está escondido en el interior de la trabilla de cuero, que actúa como una suspensión para sujetar la composición.
Perfiles disponibles con longitudes de 2 y 3 m, con acabados en negro, cuero natural y verde.

Sistema Óptico
Perfil lineal Up&Down - emisión directa/indirecta: Iluminación general.

Unidades de Alimentación
El sistema solo se puede alimentar con una fuente de alimentación remota que no se incluye con los perfiles. Los drivers recomendados se deben encargar por separado.

Sistema de Regulación
Sistema regulable con controlador de 1-10 V, DALI o CASAMBI integrado en la luminaria. La regulación individual de la emisión directa y la indirecta solo se puede gestionar a través de un control Casambi o DALI.

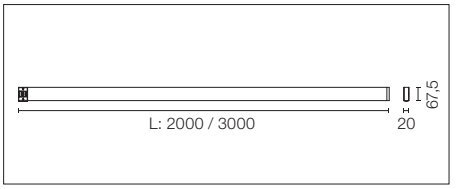
Información Adicional
Sistema eléctrico alimentado a 48V.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

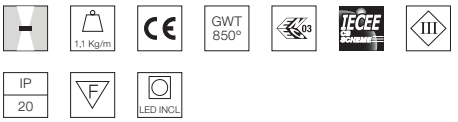
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Belt

Light Source: 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



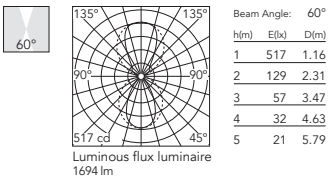




Electromechanical profile for interior use with integrated linear lighting for suspended installation available with 2 or 3 m lengths. Installation via suspension straps on the ceiling and remote power kit, to be ordered separately. Up&Down system controlled via DALI or CASAMBI individually and via 1-10V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

Perfil electromecánico de interiores con iluminación rectilínea integrada para instalación suspendida disponible con una longitud de 2 a 3 m. Instalación a través de correas de suspensión en el techo y kit de alimentación remoto, que se deben pedir por separado. Sistema Up&Down controlado vía DALI o CASAMBI individualmente y vía 1-10V conjuntamente (Broadcast).

2700K
L: 2000 mm
Dali Version
03.8500.GN.DA
03.8500.18.DA
03.8500.14.DA
1-10V (Broadcast)
03.8500.GN.1V
03.8500.18.1V
03.8500.14.1V
Casambi integrated
03.8500.GN.CB
03.8500.18.CB
03.8500.14.CB

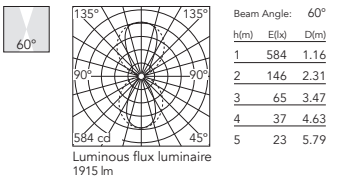


Luminous flux luminaire
1694 lm

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
1-10V (Broadcast)
03.8505.GN.1V
03.8505.18.1V
03.8505.14.1V
Casambi integrated
03.8505.GN.CB
03.8505.18.CB
03.8505.14.CB

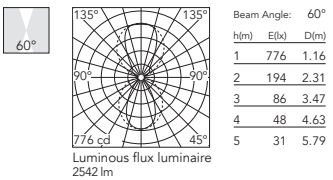


Luminous flux luminaire
1915 lm

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
1-10V (Broadcast)
03.8501.GN.1V
03.8501.18.1V
03.8501.14.1V
Casambi integrated
03.8501.GN.CB
03.8501.18.CB
03.8501.14.CB

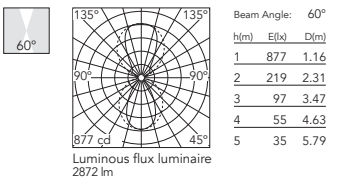


Luminous flux luminaire
2542 lm

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

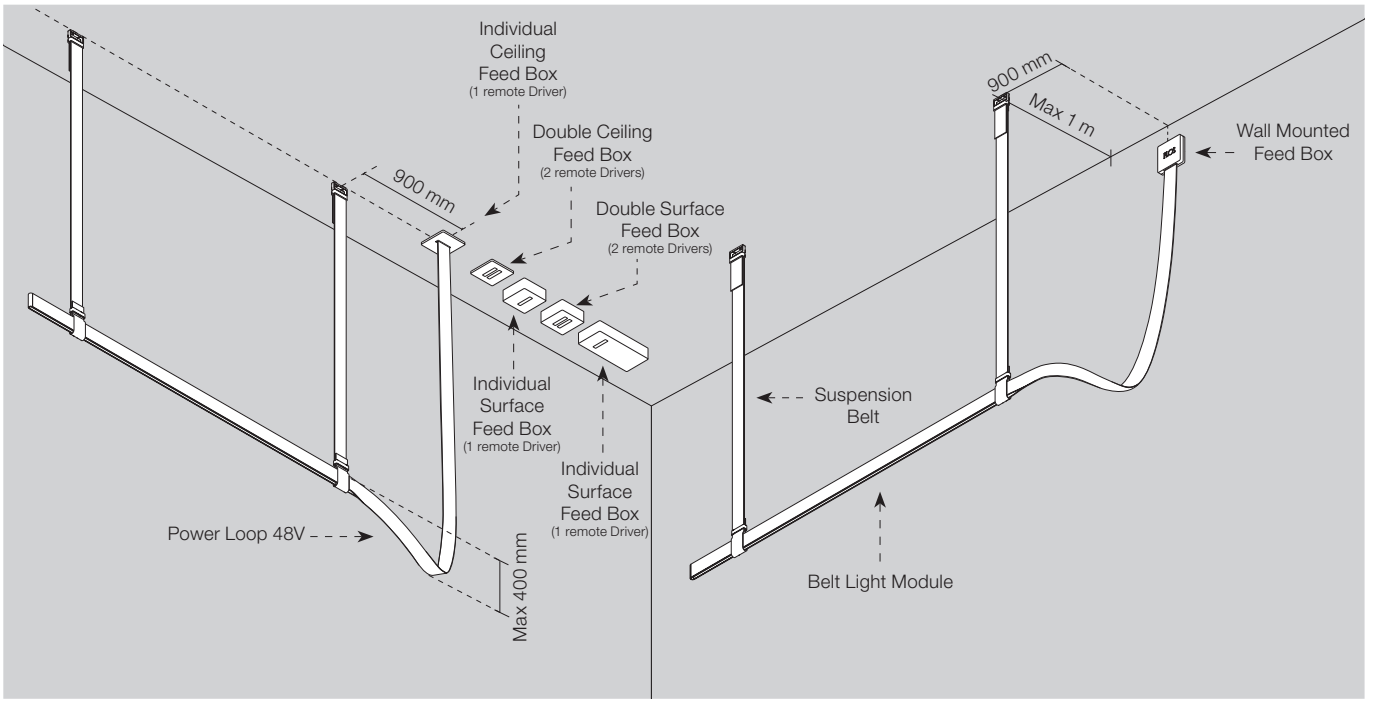
3000K
L: 3000 mm
Dali Version
03.8506.GN.DA
03.8506.18.DA
03.8506.14.DA
1-10V (Broadcast)
03.8506.GN.1V
03.8506.18.1V
03.8506.14.1V
Casambi integrated
03.8506.GN.CB
03.8506.18.CB
03.8506.14.CB



Luminous flux luminaire
2872 lm

Beam Angle: 60°

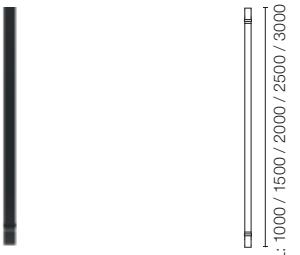
h(m)	E(lx)	D(m)
1	877	1.16
2	219	2.31
3	97	3.47
4	55	4.63
5	35	5.79



Accessories / Accesorios

Suspension strap. 2 units.

Correa de suspensión. 2 unidades.



L: 1000 mm
03.8510.GN
03.8510.18
03.8510.14
L: 1500 mm
03.8513.GN
03.8513.18
03.8513.14
L: 2000 mm
03.8511.GN
03.8511.18
03.8511.14
L: 2500 mm
03.8514.GN
03.8514.18
03.8514.14
L: 3000 mm
03.8512.GN
03.8512.18
03.8512.14

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

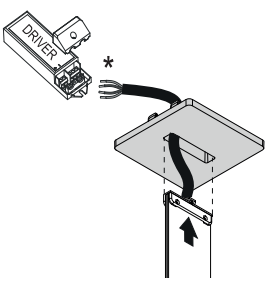
48-V power loop.

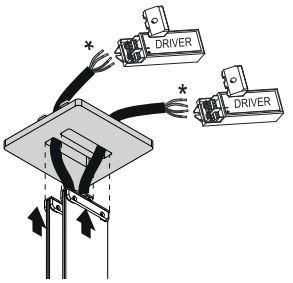
Loop de alimentación de 48V.

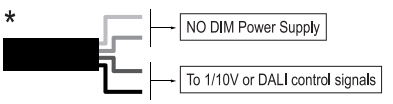


L: 1500 mm
03.8520.GN
03.8520.18
03.8520.14
L: 2500 mm
03.8521.GN
03.8521.18
03.8521.14
L: 3500 mm
03.8522.GN
03.8522.18
03.8522.14

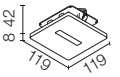
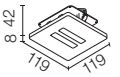
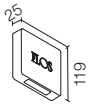
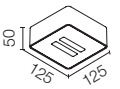
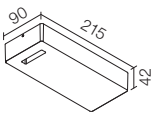
Remote Driver Installations



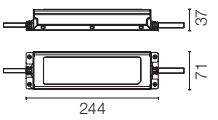
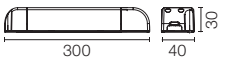




Accessories / Accesorios

Individual ceiling feed box. Driver not included.	Unidad de alimentación individual de techo. Driver no incluido.			08.0180.00
Double ceiling feed box. Driver not included.	Unidad de alimentación doble de techo. Driver no incluido.			08.0181.00
Wall mounted feed box. To be install in parallel to the Belt profile. Driver not included.	Unidad de alimentación individual de pared. Para instalar en paralelo al perfil Belt. Driver no incluido.			08.0182.00
Individual surface feed box. Driver not included.	Unidad de alimentación individual de superficie. Driver no incluido.			08.0194.00
Double surface feed box. Driver not included.	Unidad de alimentación doble de superficie. Driver no incluido.			08.0195.00
Surface driver box 96W - 48V, 110-240V.	Caja de superficie con driver de 96W - 48V, 110-240V.			06.0173.14

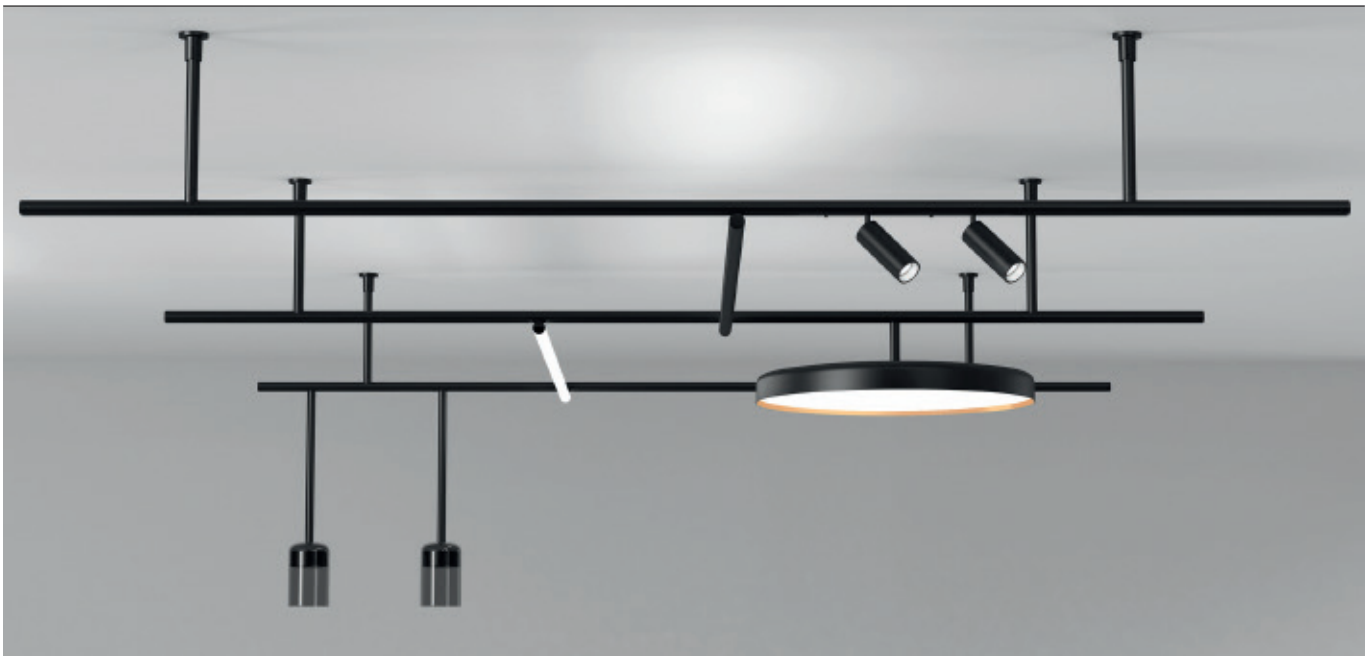
Drivers / Equipos

LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.			*60.9607
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			*60.9170

* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

INFRA-STRUCTURE

DESIGNED BY VINCENT VAN DUYSEN





Profiles ☐ 40 White
40 Blanco

■ 14 Black
14 Negro

LIGHT MODULES

LIGHT TUBE DIRECT-INDIRECT



LIGHT SOURCE
TOP LED
25W/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
2000 lm
2700K/CRI 90
2115 lm
3000K/CRI 90

SUSPENSION PANEL 600



LIGHT SOURCE
TOP LED
40W
3195 lm
2700K/CRI 90
3381 lm
3000K/CRI 90

SUSPENSION GLASS DOWNLIGHT 110



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

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

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.

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

Accessories
For the Spot illumination modules, the cross-screening accessories (honeycomb and crosspieces) are incorporated into the product.

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

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

Descripción
Innovador sistema de iluminación diseñado por Vincent Van Duysen para instalación de superficie en techo mediante varillas rígidas y ajustables.
En esta versión renovada, además de la ya conocida versión “On Board Dimmer”, FLOS ha dado un paso más, añadiendo opción de perfil y luminarias que pueden controlarse con varios sistemas de control remoto: DALI, 1-10V y Casambi.
Ambas versiones de perfiles estructurales se fabrican con perfilería tubular de aluminio extruido en color negro o blanco, y son provistas de pistas eléctricas alimentadas a 48V.
Las versiones controlables como sistema (DALI, 1-10V) además llevan bus de datos en grafito para su regulación. Las versiones Casambi son compatibles con cualquier perfil.
Las luminarias se instalan mediante un sistema de fijación magnética y sujeción de seguridad mecánica.
La familia de luminarias está compuesta por módulos de iluminación de acento con distintas ópticas, sistemas de iluminación ambiental de luz directa e indirecta y luminarias decorativas con el diseño distintivo de Flos.
Todas las luminarias están disponibles con potenciómetro integrado, dimmable DALI o 1-10V para regular la intensidad luminosa, y en versión Casambi para una regulación inalámbrica.

Control
- Para instalaciones de luminaria con sistema de dimado “On Board Dimmer” y FLOS Control, usar perfil en versión “On Board Dimmer”.
Las luminarias DALI y 1-10V solo son compatibles con perfil versión DALI y 1-10V.
Las luminarias Casambi son compatibles con todos los perfiles.
- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para gestión 1-10V es necesario que el sistema de control sea activo y conectar el bus de datos de control directamente al perfil. En este caso la regulación será uniforme en todas las luminarias conectadas.
- Para gestión mediante Casambi (máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.
Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
Número máximo de interconexiones de carriles para garantizar la comunicación de la señal DALI o 1-10V: 20 interconexiones.

Sistema Óptico
- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: luz ambiental difusa.
- Spot 50: Medium.
- Spot 90: Spot, Medium.
- Spot 120 Power LED (misma fuente de luz de los Spot 50 y Spot 90): Spot, Medium.
- Spot 120 LED Array (misma fuente de luz del Spot 150): Medium, Flood.
- Spot 150: Spot, Medium, Flood.

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida. Max 6A - 320W.

Accesorios
Para los módulos de iluminación Spot, los accesorios de apantallamiento (honeycomb y cruceta) van incorporados en el producto.

Información Adicional
Índice de protección IP20.
Instalable en superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

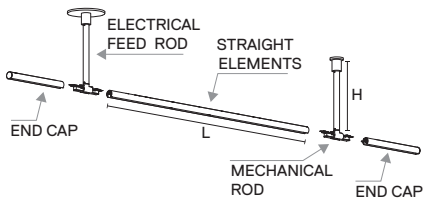
FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

Profiles

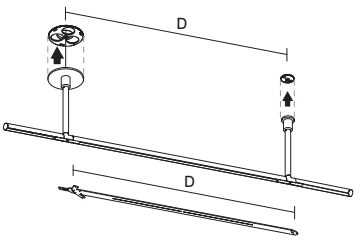
Tubular electromagnetic profile for surface installation in ceilings through rigid and adjustable rods (25 mm). Not adjustable rigid rods available on request.
Profiles and closure terminals are available in version compatible with luminaries "on board dimmer" and versions compatible with system controlled 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.

Perfiles

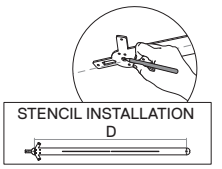
Perfil electro-magnético tubular para instalación de superficie en techo con fijación mediante varillas rígidas y regulables (25 mm). Varillas rígidas no regulables, pedir bajo demanda.
Perfil y terminal de cierre disponibles en versión compatible con luminarias "on board dimmer" y versión compatible con luminarias controlables como sistma (DALI, 1-10V o FLOS Control® by Casambi).
Perfiles tubulares disponibles en dos longitudes: 1055mm (separación entre varillas 1100mm) y 1555mm (separación entre varillas 1600mm).
Los terminales de cierre admiten instalación de luminarias y han de pedirse por separado.
Todas las varillas mecánicas y eléctricas son comunes para las dos versiones y están disponibles en diferentes alturas (100, 300, 400, 700mm).
Distintas versiones de varilla de sujeción:
• Varilla mecánica con rosetón de Ø50 o de Ø140: para fijación de perfiles.
• Varilla eléctrica con rosetón de Ø50: varilla de alimentación para instalación remota de la fuente de alimentación en lugar accesible.
• Varilla eléctrica con rosetón de Ø140: varilla de alimentación para instalación remota de la fuente de alimentación a través del rosetón.
• Varilla de conexión datos con rosetón de Ø50 o de Ø140: para conexión a fuente de señal DALI o 1-10V.
• Plantilla de aluminio, para marcar los puntos de fijación para la instalación de las varillas, disponible como producto separado.



L: 1055 mm / 1555 mm



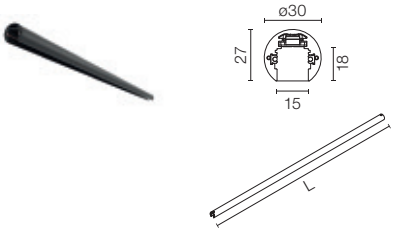
D: 1100 mm / 1600 mm



Aluminium Stencil Installation
D: 1100 mm
08.0032.00
D: 1600 mm
08.0033.00

Straight elements.

Elementos lineales.



L: 1055 mm (D: 1100 mm)
L: 1555 mm (D: 1600 mm)

On board dimmer/ FLOS Control® by Casambi compatible
L: 1055 mm
06.5140.40
06.5140.14
L: 1555 mm
06.5141.40
06.5141.14

DALI/1-10V/*FLOS Control® by Casambi compatible
L: 1055 mm
06.5100.40
06.5100.14
L: 1555 mm
06.5101.40
06.5101.14

End cap.

Terminal.

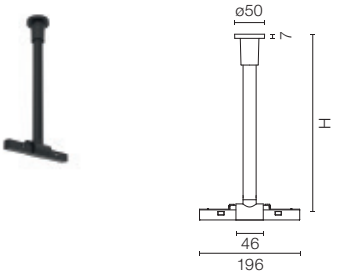


On board dimmer/ FLOS Control® by Casambi compatible
06.5142.40A
06.5142.14A

DALI/1-10V/*FLOS Control® by Casambi compatible
06.5135.40A
06.5135.14A

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

Varilla mecánica rosetón ø50 mm. Ajustable 25 mm, para adaptarse a techos irregulares.



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

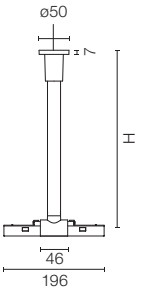
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* For existing installations / Para instalaciones existentes.

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

Varilla eléctrica de alimentación rosetón ø50 mm.
Ajustable 25 mm, para adaptarse a techos irregulares.



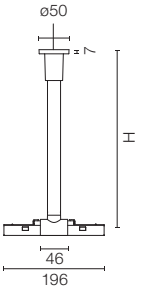


H: 100 mm
06.5120.40
06.5120.14
H: 300 mm
06.5121.40
06.5121.14
H: 400 mm
06.5122.40
06.5122.14
H: 700 mm
06.5123.40
06.5123.14

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.

Varilla de conexión datos con rosetón ø50 mm.
Usar una para cada linea de la instalación, para conectar a fuente de señal DALI o 1-10V.
Ajustable 25 mm, para adaptarse a techos irregulares.



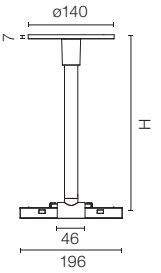


H: 100 mm
06.5150.40
06.5150.14
H: 300 mm
06.5151.40
06.5151.14
H: 400 mm
06.5152.40
06.5152.14
H: 700 mm
06.5153.40
06.5153.14

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

Varilla mecánica rosetón ø140 mm.
Ajustable 25 mm, para adaptarse a techos irregulares.



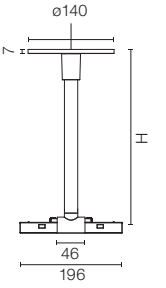


H: 100 mm
06.5115.40
06.5115.14
H: 300 mm
06.5116.40
06.5116.14
H: 400 mm
06.5117.40
06.5117.14
H: 700 mm
06.5118.40
06.5118.14

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

Varilla eléctrica de alimentación rosetón ø140 mm.
Ajustable 25 mm, para adaptarse a techos irregulares.



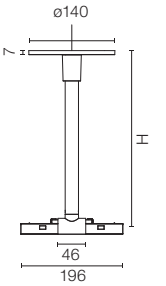


H: 100 mm
06.5125.40
06.5125.14
H: 300 mm
06.5126.40
06.5126.14
H: 400 mm
06.5127.40
06.5127.14
H: 700 mm
06.5128.40
06.5128.14

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.

Varilla de conexión datos con rosetón ø140 mm.
Usar una para cada linea de la instalación, para conectar a fuente de señal DALI o 1-10V.
Ajustable 25 mm, para adaptarse a techos irregulares.





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

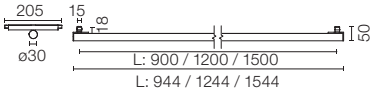
Blind tube.

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.

Tubo Ciego.

Módulo mecánico (sin iluminación) para ser instalado en el sistema Infra-Structure. Elementos de fijación giratorios 0º-90º, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil.



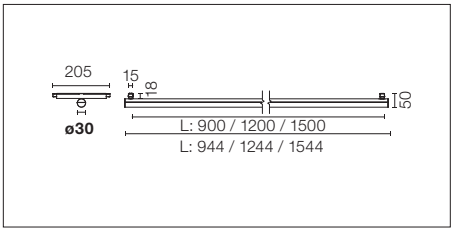


L: 900 mm
03.8120.40
03.8120.14
L: 1200 mm
03.8121.40
03.8121.14
L: 1500 mm
03.8122.40
03.8122.14

Light Tube ø30 Direct

Light Source: Top LED 25W/m - 1978 lm/m - 2700K/CRI 90 / 25W/m - 2227 lm/m - 3000K/CRI 90





IP 20 · 30 - 100% DIMMER · LED INCL

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 integrated Casambi versions.

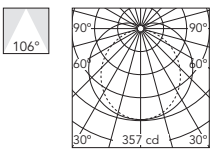
Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure. Elementos de fijación giratorios 0°-90°, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K
L: 900 mm - 23W - 1820 lm
On board dimmer
- 03.8100.40
- 03.8100.14

*Dali Version
- 03.8100.40.DA
- 03.8100.14.DA

*1-10V
- 03.8100.40.1V
- 03.8100.14.1V

**Casambi integrated
- 03.8100.40.CB
- 03.8100.14.CB



Luminous flux luminaire 1456 lm

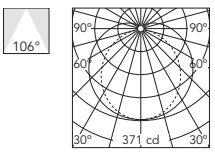
Beam Angle: 106°		
h(m)	E(lx)	D(m)
1	357	7.49
2	89	14.98
3	40	22.47
4	22	29.96
5	14	37.45

3000K
L: 900 mm - 23W - 2048 lm
On board dimmer
- 03.8105.40
- 03.8105.14

*Dali Version
- 03.8105.40.DA
- 03.8105.14.DA

*1-10V
- 03.8105.40.1V
- 03.8105.14.1V

**Casambi integrated
- 03.8105.40.CB
- 03.8105.14.CB



Luminous flux luminaire 1515 lm

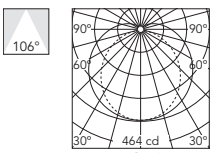
Beam Angle: 106°		
h(m)	E(lx)	D(m)
1	371	7.49
2	93	14.98
3	41	22.47
4	23	29.96
5	15	37.45

2700K
L: 1200 mm - 30W - 2366 lm
On board dimmer
- 03.8101.40
- 03.8101.14

*Dali Version
- 03.8101.40.DA
- 03.8101.14.DA

*1-10V
- 03.8101.40.1V
- 03.8101.14.1V

**Casambi integrated
- 03.8101.40.CB
- 03.8101.14.CB



Luminous flux luminaire 1892 lm

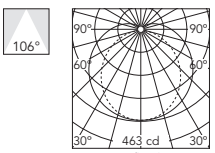
Beam Angle: 106°		
h(m)	E(lx)	D(m)
1	464	7.49
2	116	14.98
3	52	22.47
4	29	29.96
5	19	37.45

3000K
L: 1200 mm - 30W - 2663 lm
On board dimmer
- 03.8106.40
- 03.8106.14

*Dali Version
- 03.8106.40.DA
- 03.8106.14.DA

*1-10V
- 03.8106.40.1V
- 03.8106.14.1V

**Casambi integrated
- 03.8106.40.CB
- 03.8106.14.CB



Luminous flux luminaire 1890 lm

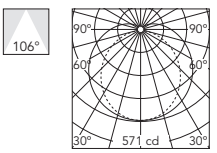
Beam Angle: 106°		
h(m)	E(lx)	D(m)
1	463	7.49
2	116	14.98
3	51	22.47
4	29	29.96
5	19	37.45

2700K
L: 1500 mm - 38W - 2912 lm
On board dimmer
- 03.8102.40
- 03.8102.14

*Dali Version
- 03.8102.40.DA
- 03.8102.14.DA

*1-10V
- 03.8102.40.1V
- 03.8102.14.1V

**Casambi integrated
- 03.8102.40.CB
- 03.8102.14.CB



Luminous flux luminaire 2329 lm

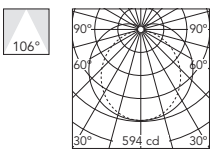
Beam Angle: 106°		
h(m)	E(lx)	D(m)
1	571	7.49
2	143	14.98
3	63	22.47
4	36	29.96
5	23	37.45

3000K
L: 1500 mm - 38W - 3278 lm
On board dimmer
- 03.8107.40
- 03.8107.14

*Dali Version
- 03.8107.40.DA
- 03.8107.14.DA

*1-10V
- 03.8107.40.1V
- 03.8107.14.1V

**Casambi integrated
- 03.8107.40.CB
- 03.8107.14.CB



Luminous flux luminaire 2423 lm

Beam Angle: 106°		
h(m)	E(lx)	D(m)
1	594	7.49
2	149	14.98
3	66	22.47
4	37	29.96
5	24	37.45

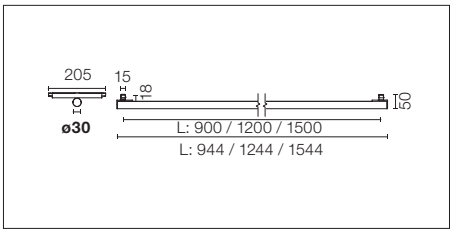
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Tube ø30 Indirect

Light Source: Top LED 25W/m - 1978 lm/m - 2700K/CRI 90 / 25W/m - 2227 lm/m - 3000K/CRI 90





IP 20 · 30 - 100% DIMMER · LED INCL

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 integrated Casambi versions.

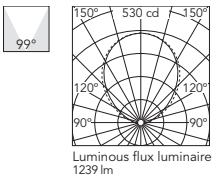
Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure. Elementos de fijación giratorios 0°-90°, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

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

*Dali Version
- 03.8110.40.DA
- 03.8110.14.DA

*1-10V
- 03.8110.40.1V
- 03.8110.14.1V

**Casambi integrated
- 03.8110.40.CB
- 03.8110.14.CB



Luminous flux luminaire 1239 lm

Beam Angle: 99°

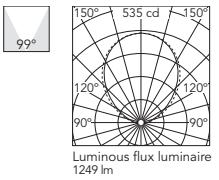
h(m)	E(lx)	D(m)
1	530	2.12
2	133	4.25
3	59	6.37
4	33	8.50
5	21	10.62

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

*Dali Version
- 03.8115.40.DA
- 03.8115.14.DA

*1-10V
- 03.8115.40.1V
- 03.8115.14.1V

**Casambi integrated
- 03.8115.40.CB
- 03.8115.14.CB



Luminous flux luminaire 1249 lm

Beam Angle: 99°

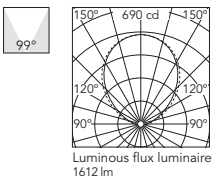
h(m)	E(lx)	D(m)
1	535	2.12
2	134	4.25
3	59	6.37
4	33	8.50
5	21	10.62

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

*Dali Version
- 03.8111.40.DA
- 03.8111.14.DA

*1-10V
- 03.8111.40.1V
- 03.8111.14.1V

**Casambi integrated
- 03.8111.40.CB
- 03.8111.14.CB



Luminous flux luminaire 1612 lm

Beam Angle: 99°

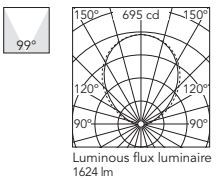
h(m)	E(lx)	D(m)
1	690	2.12
2	173	4.25
3	77	6.37
4	43	8.50
5	28	10.62

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

*Dali Version
- 03.8116.40.DA
- 03.8116.14.DA

*1-10V
- 03.8116.40.1V
- 03.8116.14.1V

**Casambi integrated
- 03.8116.40.CB
- 03.8116.14.CB



Luminous flux luminaire 1624 lm

Beam Angle: 99°

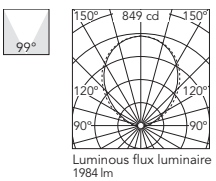
h(m)	E(lx)	D(m)
1	695	2.12
2	174	4.25
3	77	6.37
4	43	8.50
5	28	10.62

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

*Dali Version
- 03.8112.40.DA
- 03.8112.14.DA

*1-10V
- 03.8112.40.1V
- 03.8112.14.1V

**Casambi integrated
- 03.8112.40.CB
- 03.8112.14.CB



Luminous flux luminaire 1984 lm

Beam Angle: 99°

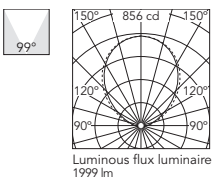
h(m)	E(lx)	D(m)
1	849	2.12
2	212	4.25
3	94	6.37
4	53	8.50
5	34	10.62

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

*Dali Version
- 03.8117.40.DA
- 03.8117.14.DA

*1-10V
- 03.8117.40.1V
- 03.8117.14.1V

**Casambi integrated
- 03.8117.40.CB
- 03.8117.14.CB



Luminous flux luminaire 1999 lm

Beam Angle: 99°

h(m)	E(lx)	D(m)
1	856	2.12
2	214	4.25
3	95	6.37
4	53	8.50
5	34	10.62

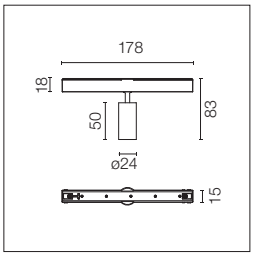
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

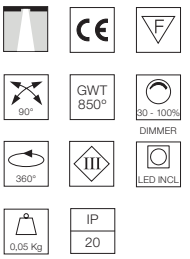
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 50

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







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

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8032.40A
- 03.8032.05A
- 03.8032.14A

*Dali Version

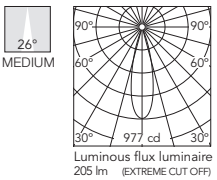
- 03.8032.40ADA
- 03.8032.05ADA
- 03.8032.14ADA

*1-10V

- 03.8032.40A1V
- 03.8032.05A1V
- 03.8032.14A1V

**Casambi integrated

- 03.8032.40ACB
- 03.8032.05ACB
- 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
- 03.8033.05A
- 03.8033.14A

*Dali Version

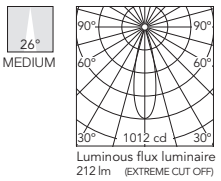
- 03.8033.40ADA
- 03.8033.05ADA
- 03.8033.14ADA

*1-10V

- 03.8033.40A1V
- 03.8033.05A1V
- 03.8033.14A1V

**Casambi integrated

- 03.8033.40ACB
- 03.8033.05ACB
- 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

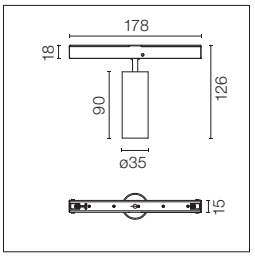
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

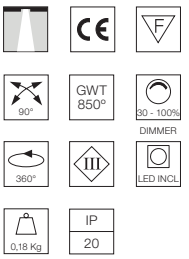
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 90

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







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

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

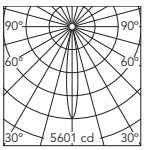
2700K
On board dimmer
- 03.8042.40A
- 03.8042.05A
- 03.8042.14A

*Dali Version
- 03.8042.40ADA
- 03.8042.05ADA
- 03.8042.14ADA

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

**Casambi integrated
- 03.8042.40ACB
- 03.8042.05ACB
- 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

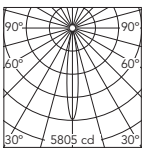
3000K
On board dimmer
- 03.8043.40A
- 03.8043.05A
- 03.8043.14A

*Dali Version
- 03.8043.40ADA
- 03.8043.05ADA
- 03.8043.14ADA

*1-10V
- 03.8043.40A1V
- 03.8043.05A1V
- 03.8043.14A1V

**Casambi integrated
- 03.8043.40ACB
- 03.8043.05ACB
- 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

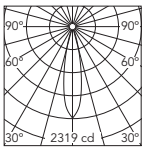
2700K
On board dimmer
- 03.8044.40A
- 03.8044.05A
- 03.8044.14A

*Dali Version
- 03.8044.40ADA
- 03.8044.05ADA
- 03.8044.14ADA

*1-10V
- 03.8044.40A1V
- 03.8044.05A1V
- 03.8044.14A1V

**Casambi integrated
- 03.8044.40ACB
- 03.8044.05ACB
- 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

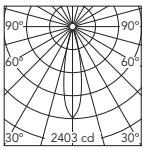
3000K
On board dimmer
- 03.8045.40A
- 03.8045.05A
- 03.8045.14A

*Dali Version
- 03.8045.40ADA
- 03.8045.05ADA
- 03.8045.14ADA

*1-10V
- 03.8045.40A1V
- 03.8045.05A1V
- 03.8045.14A1V

**Casambi integrated
- 03.8045.40ACB
- 03.8045.05ACB
- 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

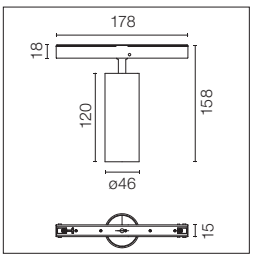
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

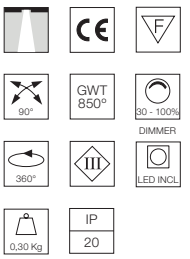
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Spot 120

Light Source: Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90







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

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

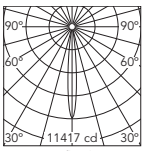
2700K
On board dimmer
- 03.8052.40A
- 03.8052.05A
- 03.8052.14A

*Dali Version
- 03.8052.40ADA
- 03.8052.05ADA
- 03.8052.14ADA

*1-10V
- 03.8052.40A1V
- 03.8052.05A1V
- 03.8052.14A1V

**Casambi integrated
- 03.8052.40ACB
- 03.8052.05ACB
- 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

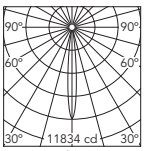
3000K
On board dimmer
- 03.8053.40A
- 03.8053.05A
- 03.8053.14A

*Dali Version
- 03.8053.40ADA
- 03.8053.05ADA
- 03.8053.14ADA

*1-10V
- 03.8053.40A1V
- 03.8053.05A1V
- 03.8053.14A1V

**Casambi integrated
- 03.8053.40ACB
- 03.8053.05ACB
- 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

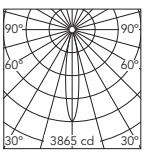
2700K
On board dimmer
- 03.8054.40A
- 03.8054.05A
- 03.8054.14A

*Dali Version
- 03.8054.40ADA
- 03.8054.05ADA
- 03.8054.14ADA

*1-10V
- 03.8054.40A1V
- 03.8054.05A1V
- 03.8054.14A1V

**Casambi integrated
- 03.8054.40ACB
- 03.8054.05ACB
- 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

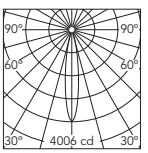
3000K
On board dimmer
- 03.8055.40A
- 03.8055.05A
- 03.8055.14A

*Dali Version
- 03.8055.40ADA
- 03.8055.05ADA
- 03.8055.14ADA

*1-10V
- 03.8055.40A1V
- 03.8055.05A1V
- 03.8055.14A1V

**Casambi integrated
- 03.8055.40ACB
- 03.8055.05ACB
- 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

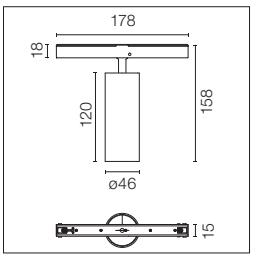
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

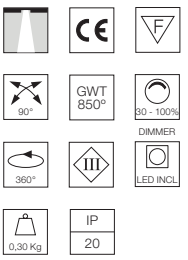
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Spot 120

Light Source: LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90







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

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

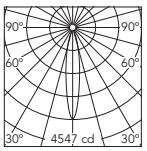
2700K
On board dimmer
- 03.8154.40
- 03.8154.05
- 03.8154.14

*Dali Version
- 03.8154.40.DA
- 03.8154.05.DA
- 03.8154.14.DA

*1-10V
- 03.8154.40.1V
- 03.8154.05.1V
- 03.8154.14.1V

**Casambi integrated
- 03.8154.40.CB
- 03.8154.05.CB
- 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

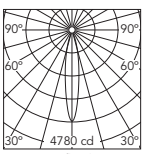
3000K
On board dimmer
- 03.8155.40
- 03.8155.05
- 03.8155.14

*Dali Version
- 03.8155.40.DA
- 03.8155.05.DA
- 03.8155.14.DA

*1-10V
- 03.8155.40.1V
- 03.8155.05.1V
- 03.8155.14.1V

**Casambi integrated
- 03.8155.40.CB
- 03.8155.05.CB
- 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

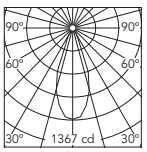
2700K
On board dimmer
- 03.8156.40
- 03.8156.05
- 03.8156.14

*Dali Version
- 03.8156.40.DA
- 03.8156.05.DA
- 03.8156.14.DA

*1-10V
- 03.8156.40.1V
- 03.8156.05.1V
- 03.8156.14.1V

**Casambi integrated
- 03.8156.40.CB
- 03.8156.05.CB
- 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

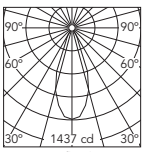
3000K
On board dimmer
- 03.8157.40
- 03.8157.05
- 03.8157.14

*Dali Version
- 03.8157.40.DA
- 03.8157.05.DA
- 03.8157.14.DA

*1-10V
- 03.8157.40.1V
- 03.8157.05.1V
- 03.8157.14.1V

**Casambi integrated
- 03.8157.40.CB
- 03.8157.05.CB
- 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

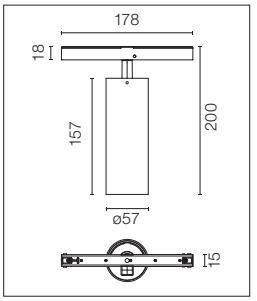
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

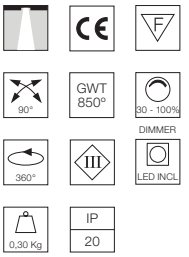
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Spot 150

Light Source: LED Array 22,5W - 2000 lm - 2700K/CRI 90 / 22,5W - 2115 lm - 3000K/CRI 90







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

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

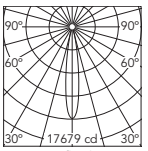
2700K
On board dimmer
- 03.8072.40
- 03.8072.05
- 03.8072.14

*Dali Version
- 03.8072.40.DA
- 03.8072.05.DA
- 03.8072.14.DA

*1-10V
- 03.8072.40.1V
- 03.8072.05.1V
- 03.8072.14.1V

**Casambi integrated
- 03.8072.40.CB
- 03.8072.05.CB
- 03.8072.14.CB

16° SPOT



Luminous flux luminaire 1910 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17679	0.28
2	4420	0.56
3	1964	0.84
4	1105	1.12
5	707	1.40

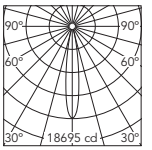
3000K
On board dimmer
- 03.8073.40
- 03.8073.05
- 03.8073.14

*Dali Version
- 03.8073.40.DA
- 03.8073.05.DA
- 03.8073.14.DA

*1-10V
- 03.8073.40.1V
- 03.8073.05.1V
- 03.8073.14.1V

**Casambi integrated
- 03.8073.40.CB
- 03.8073.05.CB
- 03.8073.14.CB

16° SPOT



Luminous flux luminaire 2019 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18695	0.28
2	4674	0.56
3	2077	0.84
4	1168	1.12
5	748	1.40

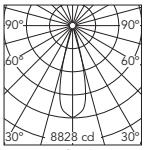
2700K
On board dimmer
- 03.8074.40
- 03.8074.05
- 03.8074.14

*Dali Version
- 03.8074.40.DA
- 03.8074.05.DA
- 03.8074.14.DA

*1-10V
- 03.8074.40.1V
- 03.8074.05.1V
- 03.8074.14.1V

**Casambi integrated
- 03.8074.40.CB
- 03.8074.05.CB
- 03.8074.14.CB

28° MEDIUM



Luminous flux luminaire 1910 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8828	0.50
2	2207	1.00
3	981	1.50
4	552	2.00
5	353	2.50

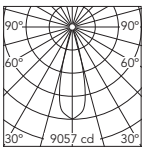
3000K
On board dimmer
- 03.8075.40
- 03.8075.05
- 03.8075.14

*Dali Version
- 03.8075.40.DA
- 03.8075.05.DA
- 03.8075.14.DA

*1-10V
- 03.8075.40.1V
- 03.8075.05.1V
- 03.8075.14.1V

**Casambi integrated
- 03.8075.40.CB
- 03.8075.05.CB
- 03.8075.14.CB

28° MEDIUM



Luminous flux luminaire 1959 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	9057	0.50
2	2264	1.00
3	1006	1.50
4	566	2.00
5	362	2.50

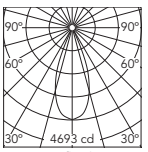
2700K
On board dimmer
- 03.8076.40
- 03.8076.05
- 03.8076.14

*Dali Version
- 03.8076.40.DA
- 03.8076.05.DA
- 03.8076.14.DA

*1-10V
- 03.8076.40.1V
- 03.8076.05.1V
- 03.8076.14.1V

**Casambi integrated
- 03.8076.40.CB
- 03.8076.05.CB
- 03.8076.14.CB

40° FLOOD



Luminous flux luminaire 1853 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4693	0.73
2	1173	1.46
3	521	2.18
4	293	2.91
5	188	3.64

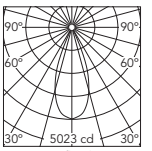
3000K
On board dimmer
- 03.8077.40
- 03.8077.05
- 03.8077.14

*Dali Version
- 03.8077.40.DA
- 03.8077.05.DA
- 03.8077.14.DA

*1-10V
- 03.8077.40.1V
- 03.8077.05.1V
- 03.8077.14.1V

**Casambi integrated
- 03.8077.40.CB
- 03.8077.05.CB
- 03.8077.14.CB

40° FLOOD



Luminous flux luminaire 1983 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	5023	0.73
2	1256	1.46
3	558	2.18
4	314	2.91
5	201	3.64

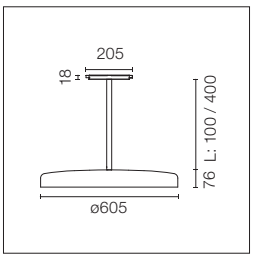
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

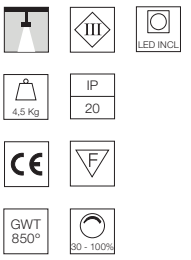
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Suspension Panel 600

Light Source: Top LED 40W - 3195 lm - 2700K/CRI 90 / 40W - 3381 lm - 3000K/ CRI 90







Suspended luminaire with rigid rod, to be installed in the Infra-Structure system.
For wireless lighting control, choose integrated Casambi versions.

E= External Finish
I= Internal Finish

Luminaria suspendida con varilla rígida para ser instalada en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

E= Acabado Externo
I= Acabado Interno

2700K

L: 100 mm

E I On board dimmer
03.8140.40

E I *Dali Version
03.8140.40.DA

E I *1-10V
03.8140.40.1V

E I **Casambi integrated
03.8140.40.CB

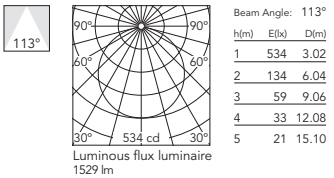
L: 400 mm

E I On board dimmer
03.8141.40

E I *Dali Version
03.8141.40.DA

E I *1-10V
03.8141.40.1V

E I **Casambi integrated
03.8141.40.CB



Luminous flux luminaire
1529 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	534	3.02
2	134	6.04
3	59	9.06
4	33	12.08
5	21	15.10

3000K

L: 100 mm

E I On board dimmer
03.8142.40

E I *Dali Version
03.8142.40.DA

E I *1-10V
03.8142.40.1V

E I **Casambi integrated
03.8142.40.CB

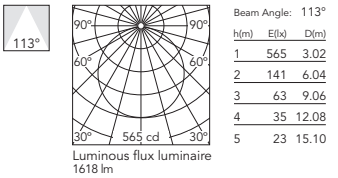
L: 400 mm

E I On board dimmer
03.8143.40

E I *Dali Version
03.8143.40.DA

E I *1-10V
03.8143.40.1V

E I **Casambi integrated
03.8143.40.CB



Luminous flux luminaire
1618 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	565	3.02
2	141	6.04
3	63	9.06
4	35	12.08
5	23	15.10

2700K

L: 100 mm

E I On board dimmer
03.8140.14

E I *Dali Version
03.8140.14.DA

E I *1-10V
03.8140.14.1V

E I **Casambi integrated
03.8140.14.CB

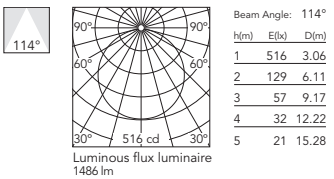
L: 400 mm

E I On board dimmer
03.8141.14

E I *Dali Version
03.8141.14.DA

E I *1-10V
03.8141.14.1V

E I **Casambi integrated
03.8141.14.CB



Luminous flux luminaire
1486 lm

Beam Angle: 114°

h(m)	E(lx)	D(m)
1	516	3.06
2	129	6.11
3	57	9.17
4	32	12.22
5	21	15.28

3000K

L: 100 mm

E I On board dimmer
03.8142.14

E I *Dali Version
03.8142.14.DA

E I *1-10V
03.8142.14.1V

E I **Casambi integrated
03.8142.14.CB

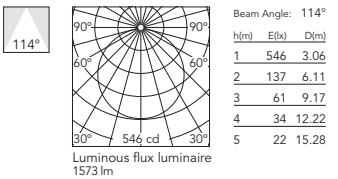
L: 400 mm

E I On board dimmer
03.8143.14

E I *Dali Version
03.8143.14.DA

E I *1-10V
03.8143.14.1V

E I **Casambi integrated
03.8143.14.CB



Luminous flux luminaire
1573 lm

Beam Angle: 114°

h(m)	E(lx)	D(m)
1	546	3.06
2	137	6.11
3	61	9.17
4	34	12.22
5	22	15.28

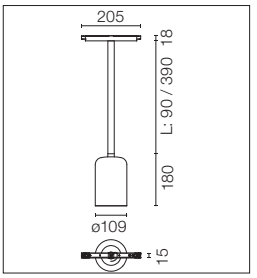
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

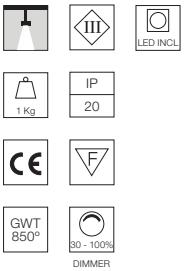
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Suspension Glass Downlight 110

Light Source: LED Array 13,5W - 1296 lm - 2700K/CRI 90 / 13,5W - 1371 lm - 3000K/CRI 90







Suspended luminaire with rigid rod and blown glass in several finishes to be installed in the Infra-Structure system.
For wireless lighting control, choose integrated Casambi versions.

Luminaria suspendida con varilla rígida y cristal soplado en distintos acabados para ser instalada en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K

Black Rod
L: 100 mm
On board dimmer
- 03.8130.00
- 03.8130.FU
- 03.8130.RC

*Dali Version
- 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 integrated
- 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 Version
- 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 integrated
- 03.8131.00.CB
- 03.8131.FU.CB
- 03.8131.RC.CB

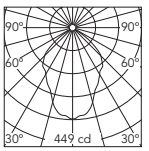
White Rod
L: 100 mm
On board dimmer
- 03.8135.00
- 03.8135.FU
- 03.8135.RC

*Dali Version
- 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 integrated
- 03.8135.00.CB
- 03.8135.FU.CB
- 03.8135.RC.CB

82° .00

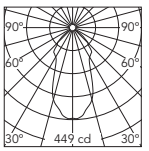


Luminous flux luminaire 706 lm

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

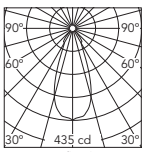


Luminous flux luminaire 483 lm

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 Version
- 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 integrated
- 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 Version
- 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 integrated
- 03.8133.00.CB
- 03.8133.FU.CB
- 03.8133.RC.CB

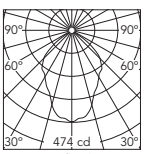
White Rod
L: 100 mm
On board dimmer
- 03.8137.00
- 03.8137.FU
- 03.8137.RC

*Dali Version
- 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 integrated
- 03.8137.00.CB
- 03.8137.FU.CB
- 03.8137.RC.CB

82° .00

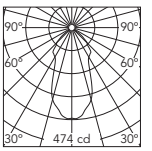


Luminous flux luminaire 746 lm

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

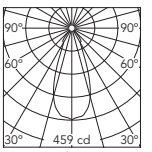


Luminous flux luminaire 510 lm

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

00 Transparent Glass
00 Cristal Transparente

FU Smoked Glass
FU Cristal Fumé

RC Red Glass
RC Cristal Rojo

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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NEW

White Rod
L: 400 mm
On board dimmer
- 03.8136.00
- 03.8136.FU
- 03.8136.RC

*Dali Version
- 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 integrated
- 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 Version
- 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 integrated
- 03.8138.00.CB
- 03.8138.FU.CB
- 03.8138.RC.CB

Accessories / Accesorios

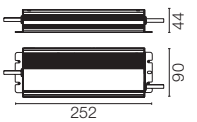
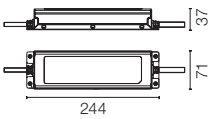
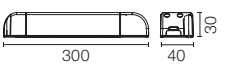
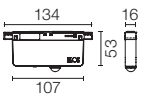
Spot 150

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.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40 08.0526.BW

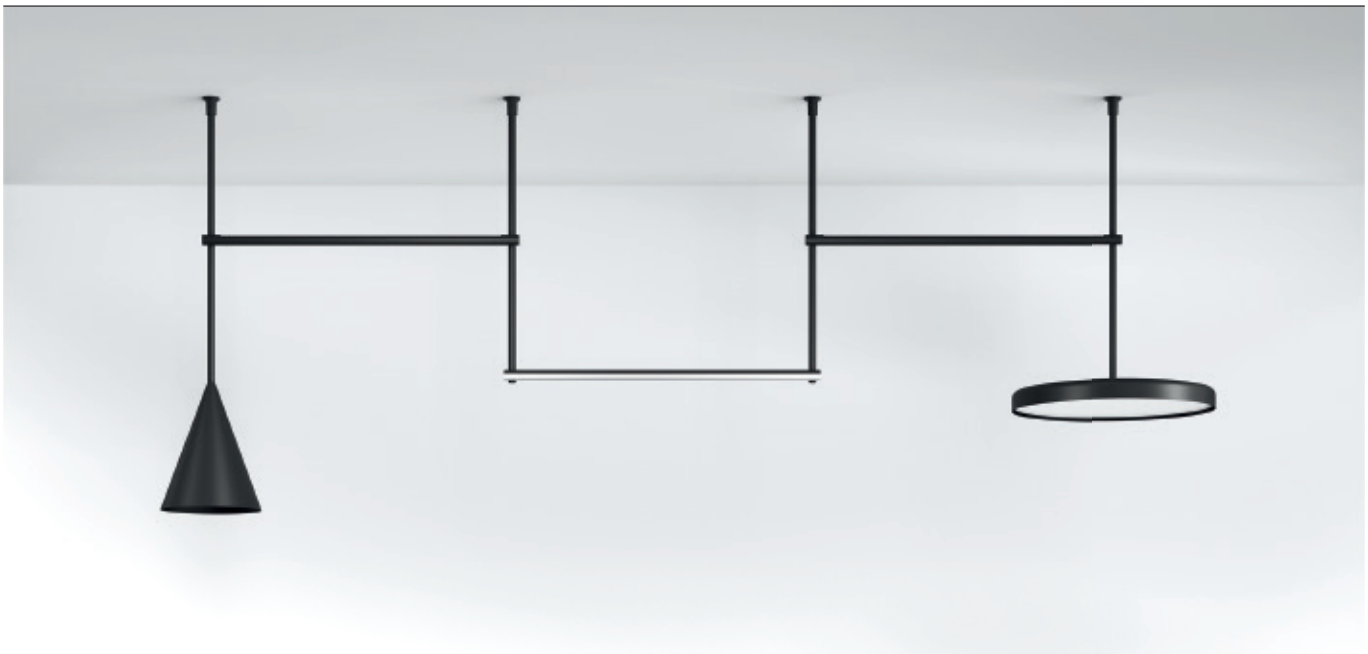
Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.		 ***60.8919
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.		 ***60.9607
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.		 ***60.9170
Dimmable control box 1-10V, 48V. For remote installation. Necessary to transform passive 1-10V control systems into active ones.	Caja de control dimable 1-10V, 48V. Para instalación remota. Necesario para transformar sistemas de control 1-10V pasivos en activos.		08.0613.14A
Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.	Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia. FLOS Control® by Casambi.		 06.1988.40 06.1988.14

*** For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

INFRA-STRUCTURE Episode 2

DESIGNED BY VINCENT VAN DUYSEN





Profiles ☐ 40 White / 40 Blanco ■ 14 Black / 14 Negro

LIGHT MODULES

LIGHT TUBE DIRECT-INDIRECT



LIGHT SOURCE
TOP LED
24W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

SUSPENSION CONE 300



LIGHT SOURCE
TOP LED
30W
2800 lm
2700K/CRI 90
3000 lm
3000K/CRI 90

SUSPENSION CONE 400



LIGHT SOURCE
TOP LED
41W
3750 lm
2700K/CRI 90
4000 lm
3000K/CRI 90

SUSPENSION PANEL 600



LIGHT SOURCE
TOP LED
35,5W
3195 lm
2700K/CRI 90
3381 lm
3000K/CRI 90

LIGHT TUBE COVERED



LIGHT SOURCE
TOP LED
24W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

Description
The reinterpretation of an icon: the unique design of Infra-Structure evolves thanks to a new, extremely simplified modular concept.
The subtle but visually stunning elements can be combined to characterize any architectural space with a strong stage presence.
Subtle, incredibly versatile tubular structure. Thanks to a special connection system, it is possible to combine vertical and horizontal elements to create three-dimensional combinations in infinite variations using linear and geometric modules.
The mechanical connection between the individual modules that make up the structure is made through a screw system that guarantees a fast and safe installation. Each module is locked in place by integrating two small, almost invisible grub screws once the installation is complete.
The electrical connections of the lighting modules are extremely simple to make. Each lighting element is completed by a long 4 m electrical cable equipped with an output micro connector. The cable runs through all the different sections of the vertical structure and is then connected to the grid in the ceiling.
All structural components are made of extruded aluminium tubular profiles painted black or white with 48V feeding.
The system can be controlled as a group (DALI, 1-10V, FLOS Control®) through remote power supply units with broadcast control or individual control by means of one single driver for each lighting module.
The family is made of lighting modules for general lighting featuring different optics and linear lighting modules providing diffused direct or indirect emission.

Configuration
The extreme simplicity of the elements and the speed with which they can be combined allows to free up the creativity of the project and to achieve innumerable combinations. As in a three-dimensional network, simply define the vertical axes of the structure and then connect them visually (and electrically) with lighting modules that can freely rotate 360°. An incredible installation flexibility is guaranteed.

Control
- Lighting modules are compatible with DALI, 1-10V and Casambi.
- For 1-10V management, the control system must be active, and the data bus must be connected directly to the controller. In case of individual control one dimmable driver for each lighting unit or group is required.
- To manage the Casambi system a Casambi interface module must be ordered and connected to a DALIor 1-10V driver. To manage the system it is necessary to download the FLOS Control® powered by Casambi app (available on Apple Store and Google Play).

Optic system
- Light Tube Direct / Light Tube Indirect / Light Tube Covered / Suspension Panel 600: diffused lighting direct.
- Light Tube Indirect: diffused lighting indirect.
- Suspension Cone 300 / Suspension Cone 400: direct Flood lighting.

Power Supply
Remote 48V power supply not included.

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

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

Descripción
La reinterpretación de un icono: el diseño único de Infra-Structure evoluciona gracias a un nuevo concepto modular extremadamente simplificado. Los elementos minimalistas, pero visualmente impactantes, se pueden combinar para caracterizar cualquier espacio arquitectónico con una fuerte presencia escénica.
Estructura tubular sencilla, increíblemente versátil. Gracias a un sistema de conexión especial, es posible combinar elementos verticales y horizontales para crear combinaciones tridimensionales con variaciones infinitas utilizando módulos lineales y geométricos.
La conexión mecánica entre los módulos individuales que conforman la estructura se realiza mediante un sistema de tornillo que garantiza una instalación rápida y segura. Cada módulo se bloquea en su sitio con la ayuda de dos tornillos prisioneros pequeños, casi invisibles una vez que se completa la instalación.
Las conexiones eléctricas de los módulos de iluminación son extremadamente sencillas de realizar. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un micro conector de salida. El cable pasa por todas las diferentes secciones de la estructura vertical para luego conectarse a la red en el techo.
Las piezas estructurales se fabrican con perfilería tubular de aluminio extruido en color negro o blanco y alimentadas a 48V.
Controlables como sistema (DALI, 1-10V, FLOS Control®) mediante fuentes remotas con control broadcast (todo junto) o independiente con un driver por cada módulo de luz.
La familia de luminarias está compuesta por módulos de iluminación general con distintas ópticas y sistemas de iluminación ambiental de luz directa e indirecta.

Configuración
La extrema sencillez de los elementos y la velocidad con la que se pueden combinar permite liberar la creatividad del proyecto consiguiendo innumerables combinaciones. Como en una red tridimensional, será suficiente definir cuáles son los ejes verticales de la estructura y luego unirlos visualmente (y eléctricamente) con módulos de luz que puedan girar libremente 360°, garantizando una increíble flexibilidad de instalación.

Control
-Las luminarias son compatibles con los sistemas DALI, 1-10V y Casambi.
- Para gestión 1-10V es necesario que el sistema de control sea activo y conectar el bus de datos de control directamente al controlador. Para control individual se necesita un controlador regulable para cada luminaria o grupo de luminarias.
- Para gestionar el sistema Casambi es necesario pedir una pasarela Casambi conectada a un driver DALI o 1/10V. Necesaria aplicación FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico
- Light Tube Direct / Light Tube Indirect / Light Tube Covered / Suspension Panel 600: iluminación general directa.
- Light Tube Indirect: iluminación general indirecta.
- Suspension Cone 300 / Suspension Cone 400: iluminación general directa Flood.

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida.

Información Adicional
Índice de protección IP20.
Instalable en superficies normalmente inflamables.

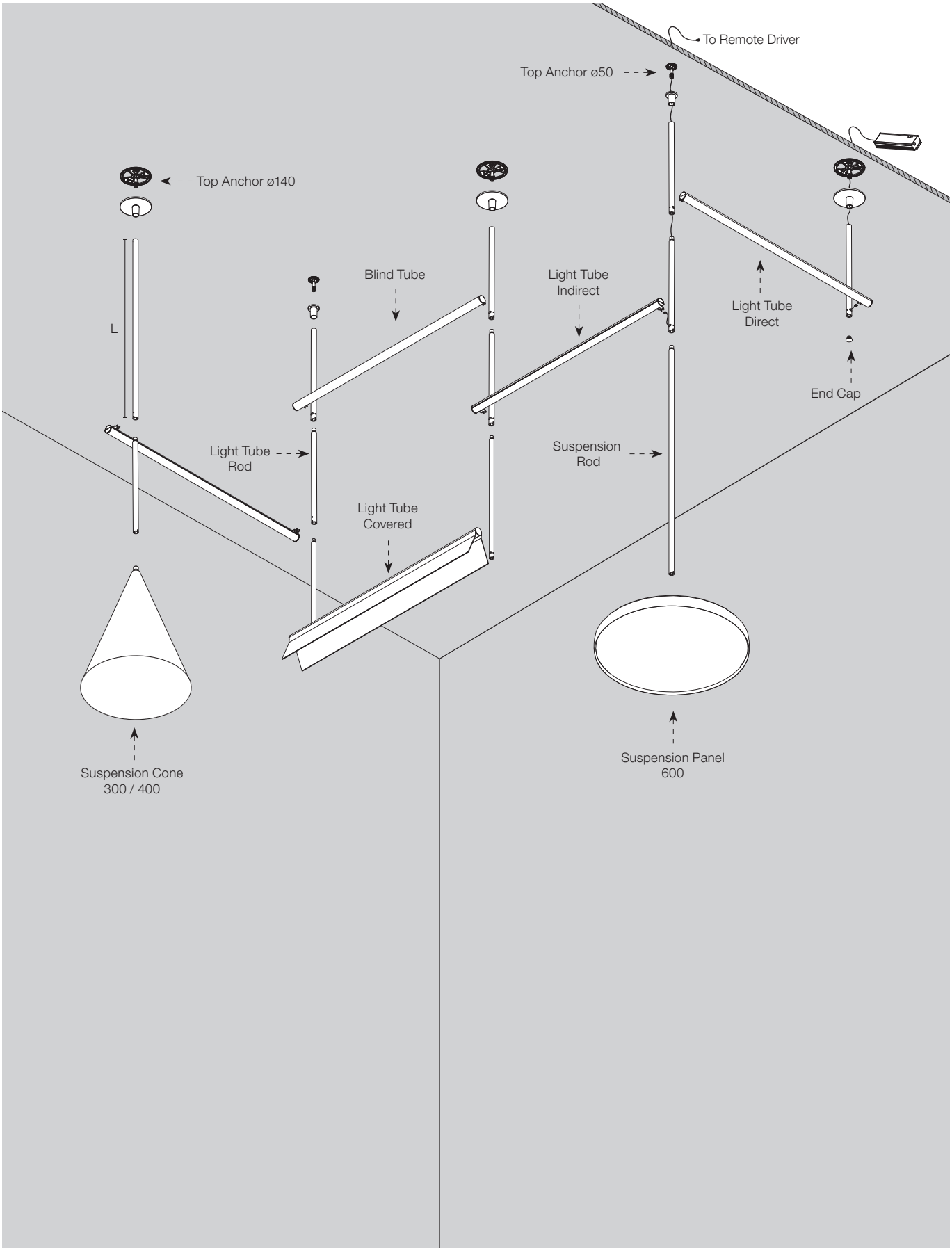
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

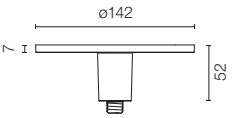
SURFACE INSTALLATION



Top Anchor ø140.
For installation where the power supply is to be hidden within a drop ceiling and there is no other access. The 140-mm cover conceals the hole needed to install the device.

Anclaje superior ø140.
Para instalaciones donde el equipo de alimentación deba ocultarse en el falso techo y no exista acceso al mismo por otro punto. El embellecedor de 140mm oculta el agujero necesario para pasar el equipo.



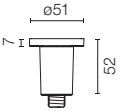


06.5421.40
06.5421.14

Top Anchor ø50.
For installations where the power supply equipment must be installed remotely in an installation box or there is access to it from another point. The 50-mm cover conceals the cable and prevents access to the power supply.

Anclaje superior ø50.
Para instalaciones donde el equipo de alimentación deba instalarse remoto en caja de instalación o exista acceso al mismo por otro punto. El embellecedor de 50mm oculta el cable y no permite el acceso al equipo de alimentación.





06.5420.40
06.5420.14

End cap.

Terminal.



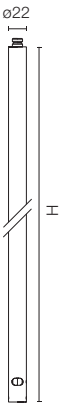


06.5430.40
06.5430.14

Rod.
Rod available in different lengths for connection of direct and indirect linear light tubes. Various elements may be connected simultaneously by means of attachment elements along with a mechanically integrated safety device.
Power cables for three luminaires may be fed through each vertical rod.

Varilla.
Varilla de diferentes medidas para conexión de los módulos de luz lineales directos e indirectos. Es posible conectar varios elementos a la vez por medio de elementos de fijación y bloqueo de seguridad mecánico integrados.
Es posible pasar cables de alimentación para tres luminarias por cada varilla vertical.



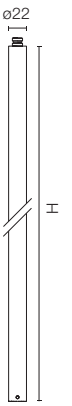


H: 100 mm
06.5400.40
06.5400.14
H: 200 mm
06.5401.40
06.5401.14
H: 400 mm
06.5402.40
06.5402.14
H: 600 mm
06.5403.40
06.5403.14
H: 800 mm
06.5404.40
06.5404.14
H: 1000 mm
06.5405.40
06.5405.14

Suspension Rod.
Rod available in different lengths for connection of "Suspension Panel" and "Suspension Cone" modules and for extensions without connection to a light fixture.
Power cables for three luminaires may be fed through each vertical rod.

Varilla de suspensión.
Varilla de diferentes medidas para conexión de los módulos de “Suspension Panel” y “Suspension Cone” y para extensiones sin conexión a luminaria.
Es posible pasar cables de alimentación para tres luminarias por cada varilla vertical.





H: 100 mm
06.5410.40
06.5410.14
H: 200 mm
06.5411.40
06.5411.14
H: 400 mm
06.5412.40
06.5412.14
H: 600 mm
06.5413.40
06.5413.14
H: 800 mm
06.5414.40
06.5414.14
H: 1000 mm
06.5415.40
06.5415.14

Blind tube.

A mechanical module (without lighting) to be installed in the system infrastructure Episode 2.

Tubo Ciego.

Módulo mecánico (sin iluminación) para ser instalado en el sistema Infra-Structure Episode 2.



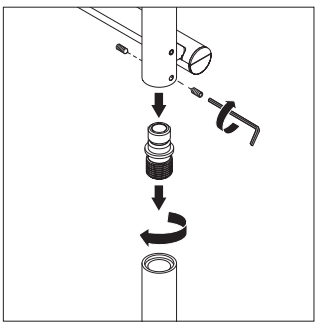
L: 900 mm
03.8430.40
03.8430.14
L: 1200 mm
03.8431.40
03.8431.14
L: 1500 mm
03.8432.40
03.8432.14

• Is Infra-Structure Episode 2 a system on tracks like Infra-Structure?
No. Infra-Structure Episode 2 is a modular system, but it doesn't have tracks.

• How are the vertical rods connected together?
The individual modules composing the vertical structure are connected using a system of screws that guarantee quick, safe installation. Each module is fixed in place with the help of small set screws that is practically invisible once installation is complete.

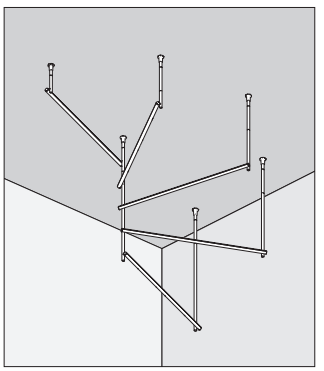
• ¿Es Infra-Structure Episode 2 un sistema de carril como Infra-Structure?
No, Infra-structure Episode 2, es un sistema modular pero no tiene carriles.

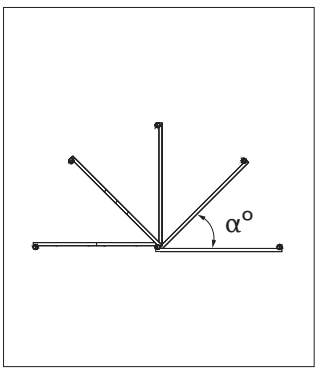
• ¿Cómo se conectan entre sí las varillas verticales?
La conexión mecánica entre los módulos individuales que conforman la estructura vertical se realiza mediante un sistema de tornillo que garantiza una instalación rápida y segura. Cada módulo se bloquea en su sitio con la ayuda de tornillos prisioneros pequeños, prácticamente invisible una vez que se completa la instalación.



• Is it possible to obtain non-linear compositions?
Yes. Maximum flexibility is provided for with the mechanical connection between the vertical rods, which can be adjusted to the desired angle.

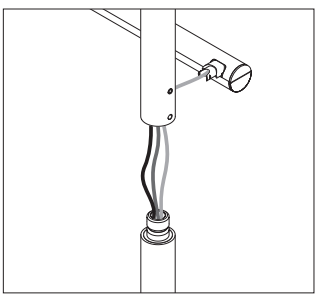
• ¿Es posible conseguir composiciones no lineales?
Sí es posible, la flexibilidad es máxima debido a que la conexión mecánica entre las varillas verticales puede ser ajustada al ángulo deseado.





• How many luminaires can I power using the same vertical rod?
Power cables for three luminaires may be fed through each vertical rod.

• ¿Cuántas luminarias puedo alimentar a través de una misma varilla vertical?
Es posible pasar cables de alimentación para tres luminarias por cada varilla vertical.



• Can the light from the luminaires be dimmed?
Yes. With the control module listed in the equipment section, the amount of light can be regulated via DALI ,1-10V and Casambi.

• What is the maximum suspension length?
The cables supplied with the lamp have a maximum length of 4 metres.

• Can it be installed with the power supply hidden in the drop ceiling?
The system can only be installed with a hidden power supply. It is equipped with a 140-mm rose for the power to pass through and to hide the hole.

• ¿Se puede atenuar la luz de las luminarias??
Sí, usando en módulo de control que proponemos en la sección de equipos se pueden regular vía DALI, 1-10V y Casambi.

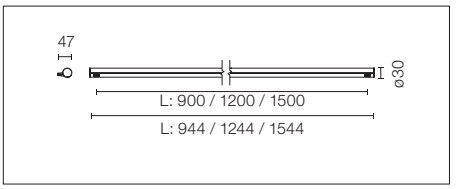
• ¿Cuál es la máxima longitud de suspensión?
Los cables proporcionados en la luminaria tienen una longitud máxima de 4 metros.

• ¿Se puede instalar con la fuente oculta en el falso techo?
El sistema solo se puede instalar con fuente oculta y dispone de canoplas (rosetón) de 140mm para poder pasar la fuente de alimentación y poder ocultar el hueco.

Light Tube Direct

Light Source: Top LED 24W/m - 1978 lm/m - 2700K/CRI 90 / 24W/m - 2227 lm/m - 3000K/CRI 90



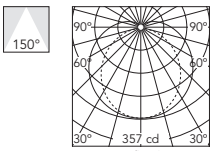




Diffused LED light module to be installed in the Infra-Structure Episode 2.
Safety fixing and locking mechanical elements integrated for a transversal installation between two rods of the profile.
The Light Tubes are only fed by one of the ends and do not communicate current through the other end.
Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure Episode 2.
Elementos de fijación y bloqueo de seguridad mecánico, para instalación transversal entre dos varillas.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
L: 900 mm - 22W - 1820 lm
03.8400.40
03.8400.14

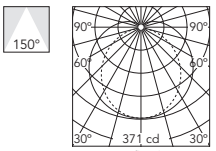


Luminous flux luminaire
1456 lm

Beam Angle: 150°

h(m)	E(lx)	D(m)
1	357	7.49
2	89	14.98
3	40	22.47
4	22	29.96
5	14	37.45

3000K
L: 900 mm - 22W - 2048 lm
03.8403.40
03.8403.14

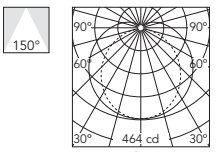


Luminous flux luminaire
1515 lm

Beam Angle: 150°

h(m)	E(lx)	D(m)
1	371	7.49
2	93	14.98
3	41	22.47
4	23	29.96
5	15	37.45

2700K
L: 1200 mm - 29W - 2366 lm
03.8401.40
03.8401.14

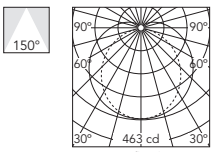


Luminous flux luminaire
1892 lm

Beam Angle: 150°

h(m)	E(lx)	D(m)
1	464	7.49
2	116	14.98
3	52	22.47
4	29	29.96
5	19	37.45

3000K
L: 1200 mm - 29W - 2663 lm
03.8404.40
03.8404.14

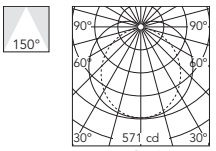


Luminous flux luminaire
1890 lm

Beam Angle: 150°

h(m)	E(lx)	D(m)
1	463	7.49
2	116	14.98
3	51	22.47
4	29	29.96
5	19	37.45

2700K
L: 1500 mm - 35,5W - 2912 lm
03.8402.40
03.8402.14

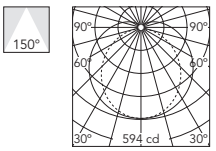


Luminous flux luminaire
2329 lm

Beam Angle: 150°

h(m)	E(lx)	D(m)
1	571	7.49
2	143	14.98
3	63	22.47
4	36	29.96
5	23	37.45

3000K
L: 1500 mm - 35,5W - 3278 lm
03.8405.40
03.8405.14



Luminous flux luminaire
2423 lm

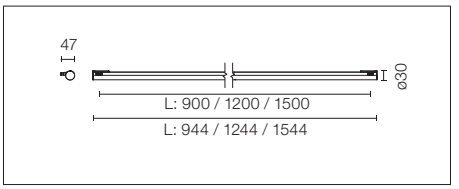
Beam Angle: 150°

h(m)	E(lx)	D(m)
1	594	7.49
2	149	14.98
3	66	22.47
4	37	29.96
5	24	37.45

Light Tube Indirect

Light Source: Top LED 24W/m - 1978 lm/m - 2700K/CRI 90 / 24W/m - 2227 lm/m - 3000K/CRI 90





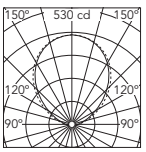


Diffused indirect LED light module to be installed in the Infra-Structure Episode 2.
Safety fixing and locking mechanical elements integrated for a transversal installation between two rods of the profile.
The Light Tubes are only fed by one of the ends and do not communicate current through the other end.
Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Módulo de iluminación LED de luz difusa indirecta para ser instalado en el sistema Infra-Structure Episode 2.
Elementos de fijación y bloqueo de seguridad mecánico, para instalación transversal entre dos varillas.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
L: 900 mm - 20W - 1820 lm
☐ 03.8410.40
■ 03.8410.14



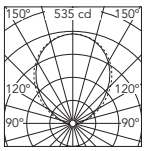


Luminous flux luminaire 1239 lm

Beam Angle:	93°	
h(m)	E(lx)	D(m)
1	530	2.12
2	133	4.25
3	59	6.37
4	33	8.50
5	21	10.62

3000K
L: 900 mm - 20W - 2048 lm
☐ 03.8413.40
■ 03.8413.14



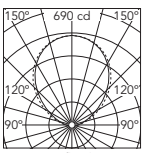


Luminous flux luminaire 1249 lm

Beam Angle:	93°	
h(m)	E(lx)	D(m)
1	535	2.12
2	134	4.25
3	59	6.37
4	33	8.50
5	21	10.62

2700K
L: 1200 mm - 25,5W - 2366 lm
☐ 03.8411.40
■ 03.8411.14



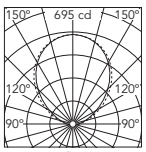


Luminous flux luminaire 1612 lm

Beam Angle:	93°	
h(m)	E(lx)	D(m)
1	690	2.12
2	173	4.25
3	77	6.37
4	43	8.50
5	28	10.62

3000K
L: 1200 mm - 25,5W - 2663 lm
☐ 03.8414.40
■ 03.8414.14



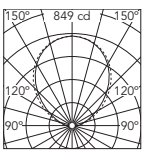


Luminous flux luminaire 1624 lm

Beam Angle:	93°	
h(m)	E(lx)	D(m)
1	695	2.12
2	174	4.25
3	77	6.37
4	43	8.50
5	28	10.62

2700K
L: 1500 mm - 32,5W - 2912 lm
☐ 03.8412.40
■ 03.8412.14



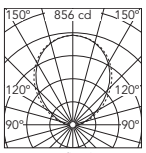


Luminous flux luminaire 1984 lm

Beam Angle:	93°	
h(m)	E(lx)	D(m)
1	849	2.12
2	212	4.25
3	94	6.37
4	53	8.50
5	34	10.62

3000K
L: 1500 mm - 32,5W - 3278 lm
☐ 03.8415.40
■ 03.8415.14





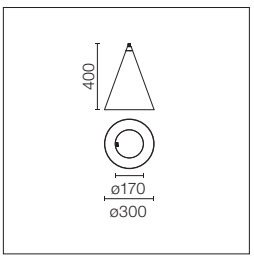
Luminous flux luminaire 1999 lm

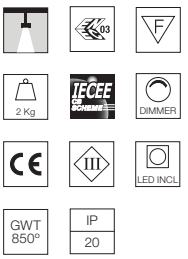
Beam Angle:	93°	
h(m)	E(lx)	D(m)
1	856	2.12
2	214	4.25
3	95	6.37
4	53	8.50
5	34	10.62

Suspension Cone 300

Light Source: Top LED 30W - 2800 lm - 2700K/CRI 90 / 30W - 3000 lm - 3000K/CRI 90





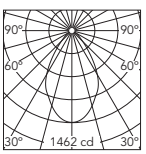


Suspended luminaire with locking system integrated, to be installed in the Infra-Structure Episode 2 system.
Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Luminaria suspendida con anclaje integrado para ser instalada en el sistema Infra-Structure Episode 2.
Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
☐ 03.8440.40
■ 03.8440.14



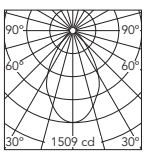


Luminous flux luminaire 1824 lm
@White (40)

Beam Angle:	65°	
h(m)	E(lx)	D(m)
1	1462	1.27
2	365	2.53
3	162	3.80
4	91	5.06
5	58	6.33

3000K
☐ 03.8442.40
■ 03.8442.14





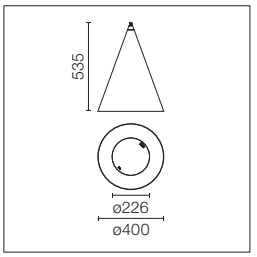
Luminous flux luminaire 1883 lm
@White (40)

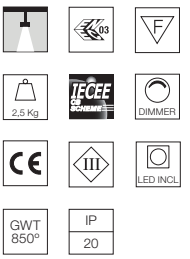
Beam Angle:	65°	
h(m)	E(lx)	D(m)
1	1509	1.27
2	377	2.53
3	168	3.80
4	94	5.06
5	60	6.33

Suspension Cone 400

Light Source: Top LED 41W - 3750 lm - 2700K/CRI 90 / 41W - 4000 lm - 3000K/CRI 90



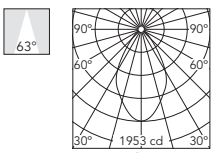




Suspended luminaire with locking system integrated, to be installed in the Infra-Structure Episode 2 system.
Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Luminaria suspendida con anclaje integrado para ser instalada en el sistema Infra-Structure Episode 2. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
03.8441.40
03.8441.14



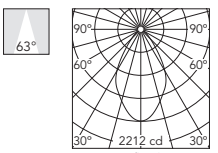
Luminous flux luminaire
2270 lm

Beam Angle: 63°

h(m)	E(lx)	D(m)
1	1953	1.22
2	488	2.43
3	217	3.65
4	122	4.86
5	78	6.08

@White (40)

3000K
03.8443.40
03.8443.14



Luminous flux luminaire
2571 lm

Beam Angle: 63°

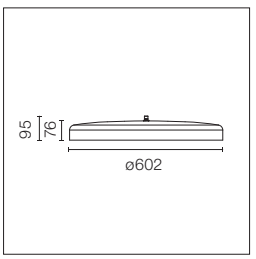
h(m)	E(lx)	D(m)
1	2212	1.22
2	553	2.43
3	246	3.65
4	138	4.86
5	88	6.08

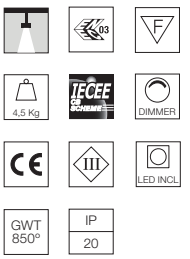
@White (40)

Suspension Panel 600

Light Source: Power LED 35,5W - 3195 lm - 2700K/CRI 90 / 35,5W - 3381 lm - 3000K/CRI 90



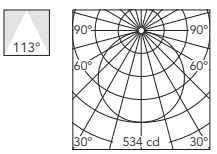




Suspended luminaire with locking system integrated, to be installed in the Infra-Structure Episode 2 system.
Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Luminaria suspendida con anclaje integrado para ser instalada en el sistema Infra-Structure Episode 2. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
03.8450.40
03.8450.14



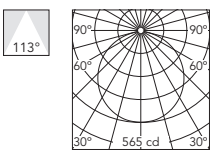
Luminous flux luminaire
1529 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	534	3.02
2	134	6.04
3	59	9.06
4	33	12.08
5	21	15.10

@White (40)

3000K
03.8451.40
03.8451.14



Luminous flux luminaire
1618 lm

Beam Angle: 113°

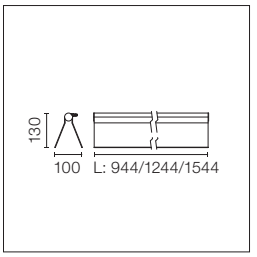
h(m)	E(lx)	D(m)
1	565	3.02
2	141	6.04
3	63	9.06
4	35	12.08
5	23	15.10

@White (40)

Light Tube Covered

Light Source: Top LED 24W/m - 1978 lm/m - 2700K/CRI 90 / 24W/m - 2227 lm/m - 3000K/CRI 90





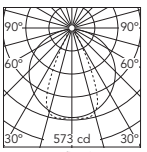
1,90 Kg | DIMMER | LED INCL | GWT 850° | IP 20

Diffused direct shielded LED light module to be installed in the Infra-Structure Episode 2.
Safety fixing and locking mechanical elements integrated for a transversal installation between two rods of the profile.
The Light Tubes are only fed by one of the ends and do not communicate current through the other end.
Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Módulo de iluminación LED de luz difusa directa apantallada para ser instalado en el sistema Infra-Structure Episode 2.
Elementos de fijación y bloqueo de seguridad mecánico, para instalación transversal entre dos varillas.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
L: 900 mm - 22W - 1820 lm
03.8420.40
03.8420.14

50°

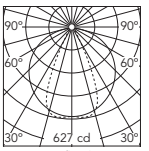


Luminous flux luminaire 860 lm

Beam Angle:	50°
h(m)	E(lx) D(m)
1	573 0.94
2	143 1.87
3	64 2.81
4	36 3.74
5	23 4.68

3000K
L: 900 mm - 22W - 2048 lm
03.8423.40
03.8423.14

50°

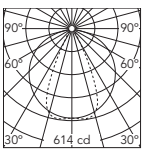


Luminous flux luminaire 942 lm

Beam Angle:	50°
h(m)	E(lx) D(m)
1	627 0.94
2	157 1.87
3	70 2.81
4	39 3.74
5	25 4.68

2700K
L: 1200 mm - 29W - 2366 lm
03.8421.40
03.8421.14

50°

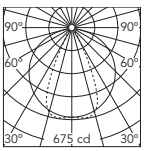


Luminous flux luminaire 921 lm

Beam Angle:	50°
h(m)	E(lx) D(m)
1	614 0.94
2	153 1.87
3	68 2.81
4	38 3.74
5	25 4.68

3000K
L: 1200 mm - 29W - 2663 lm
03.8424.40
03.8424.14

50°

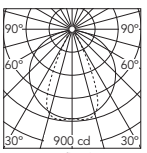


Luminous flux luminaire 1012 lm

Beam Angle:	50°
h(m)	E(lx) D(m)
1	675 0.94
2	169 1.87
3	75 2.81
4	42 3.74
5	27 4.68

2700K
L: 1500 mm - 35,5W - 2912 lm
03.8422.40
03.8422.14

50°



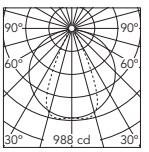
Luminous flux luminaire 1351 lm

Beam Angle:	50°
h(m)	E(lx) D(m)
1	900 0.94
2	225 1.87
3	100 2.81
4	56 3.74
5	36 4.68

@White (40)

3000K
L: 1500 mm - 35,5W - 3278 lm
03.8425.40
03.8425.14

50°

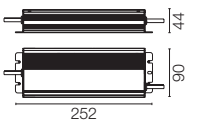
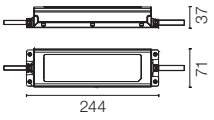
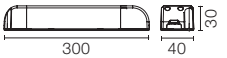
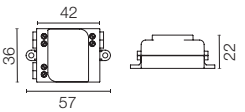
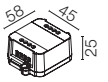
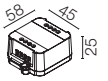


Luminous flux luminaire 1483 lm

Beam Angle:	50°
h(m)	E(lx) D(m)
1	988 0.94
2	247 1.87
3	110 2.81
4	62 3.74
5	40 4.68

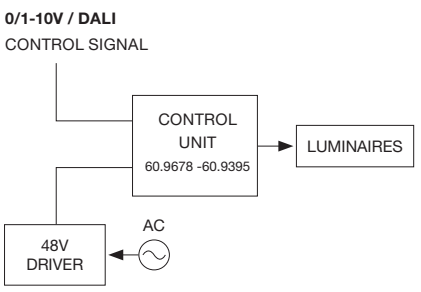
@White (40)

Drivers / Equipos

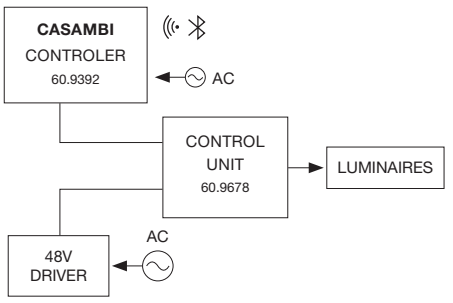
LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.			*60.8919
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.			*60.9607
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			*60.9170
Casambi Broadcast Casambi controller 220-240V. Driver and external interface required have to be ordered separately. Dimming range 20-100%.	Controlador Casambi 220-240V. Requiere fuente de alimentación y controlador, pedir por separado. Rango de regulación 20-100%.			60.9392
DALI Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).	Unidad de control dimable Dali de módulos LED, para equipos de 12 a 48V. No incluye fuente de alimentación.			60.9678
1-10V Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).	Unidad de control dimable 1/10V de módulos LED, para equipos de 12 a 48V. No incluye fuente de alimentación.			60.9395

Regulation Systems

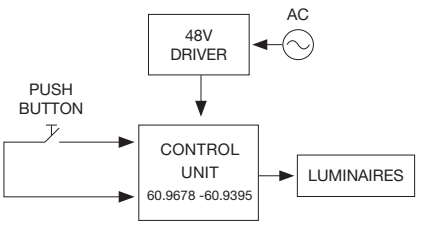
0/1-10V / DALI Installation



CASAMBI Installation



PUSH Installation

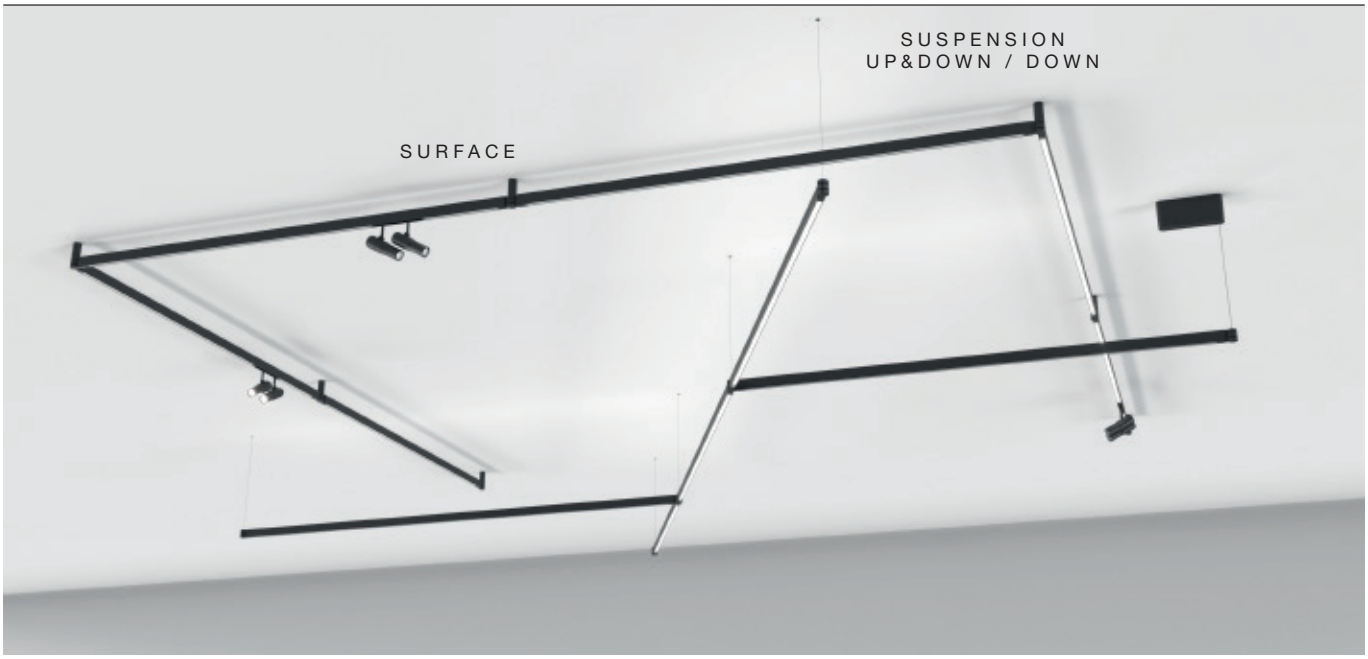


* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source. / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

** It needs an instalation box. Compatible DALI interface (IEC 62386-101/102) 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 / Necesita caja de instalación. Interfaz DALI compatible (IEC 62386-101/102) para el control de la iluminación indirecta. Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.

DIVERSION

DESIGNED BY PIERO LISSONI



Surface/Suspension Profiles

- 40 White / 40 Blanco
- 1A Anodic Ice / 1A Anodic Ice
- 14 Black / 14 Negro
- CZ Bronze / CZ Bronce

LIGHT MODULES STRUCTURES

DOWN



LIGHT SOURCE
TOP LED
13,5W/m
1540 lm/m
2700K/CRI 90
3000K/CRI 90

UP&DOWN



LIGHT SOURCE
TOP LED
20,5W/m
2284 lm/m
2700K/CRI 90
3000K/CRI 90

DOWN +SPOTS



LIGHT SOURCE
TOP LED
11W/m
1255 lm/m
2700K/CRI 90
3000K/CRI 90

UP&DOWN +SPOTS



LIGHT SOURCE
TOP LED
18W/m
1999 lm/m
2700K/CRI 90
3000K/CRI 90

LIGHT MODULES

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

Description
This innovative profile system for surface and suspended installation is characterized by its high flexibility. Profiles are equipped with integrated lighting available in direct and indirect emission with the possibility of adding two spots in order to combine accent and detail lighting. The spotlights available for this system are part of the Atom family designed by Piero Lissoni.
The key part of the system is the joint for powering and joining profiles together, which allows to create configurations in 360 °, every 45º, as well as to easily connect up to 8 profiles to the same joint piece. Herewith, the system offers an endless number of combinations. It can be composed to create any imaginable structure and can be adapted to different architectural spaces.
System of extruded aluminum profiles from 1m up to 2.5m in white, black, anodic ice and bronze finish.

Optic system
- Down linear profile - direct light output: General lighting.
- Up&down linear profile - direct/indirect light output: General lighting.
- Down linear profile + 2 spots - direct light output and accent lighting: General lighting, Spot, Medium.
- Up&down linear profile + 2 spots - direct/indirect light output and accent lighting: General lighting, Spot, Medium.

Power Supply
The system can be powered by a remote power supply which is not included.
Recommended drivers must be ordered separately.

Regulation System
System controlled by 1-10V, DALI or Casambi.
Broadcast control system. The light dimming for the up&down version can only happen simultaneously.
The upper and lower emission cannot be controlled individually.
For individual regulation via Casambi, use the Casambi version of spots, with non-dimmable power supply.

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.

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

Descripción
Este innovador sistema de perfiles para su instalación en superficie y suspensión se caracteriza por una extraordinaria flexibilidad. Los perfiles están dotados de iluminación integrada directa e indirecta y se ofrece la posibilidad de completar cada perfil con dos spots para iluminación de acento y detalle. Los spots disponibles para este sistema son parte de la familia Atom diseñada también por Piero Lissoni.
La pieza clave del sistema es la rótula de alimentación y unión entre perfiles, que permite realizar uniones en 360º, cada 45º, por lo que permite la conexión de hasta 8 perfiles a la misma rótula. Así, el sistema ofrece infinidad de combinaciones pudiendo realizarse casi cualquier tipo de composición imaginable y garantiza su adaptación a diversos espacios arquitectónicos.
Perfiles de extrusión de aluminio de longitudes entre 1 m y 2,5 m en decorados blanco, negro, anodic ice y bronce.

Sistema Óptico
- Perfil lineal down - emisión directa: General Lighting.
- Perfil lineal up&down - emisión directa/indirecta: General Lighting.
- Perfil lineal down + 2 spots - emisión directa y acento: General Lighting, Spot, Medium.
- Perfil lineal up&down + 2 spots - emisión directa/indirecta y acento: General Lighting, Spot, Medium.

Unidades de Alimentación
El sistema solo se puede alimentar mediante fuente de alimentación remota no incluida en los perfiles.
Los drivers recomendados tienen que pedirse por separado.

Sistema de Regulación
Sistema regulado mediante driver 1-10V, DALI o Casambi.
Sistema de control broadcast. La regulación para la versión up&down se realiza simultáneamente, no es posible independizar la emisión superior e inferior.
Para regulación individual vía Casambi usar los spots versión Casambi, con fuente de alimentación no regulable.

Información Adicional
Sistema eléctrico alimentado a 24Vdc y limitado a una corriente máxima de 5 A y 120W.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

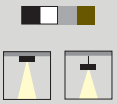
FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

DOWN PROFILE

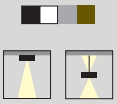




L: 1 / 1,5 / 2 / 2,5 m

UP&DOWN PROFILE

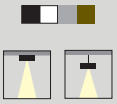




L: 1 / 1,5 / 2 / 2,5 m

DOWN + SPOTS PROFILE

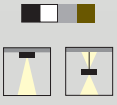




L: 1 / 1,5 / 2 / 2,5 m

UP&DOWN + SPOTS PROFILE





L: 1 / 1,5 / 2 / 2,5 m

2 COMPLETE WITH MOUNTING ACCESSORIES



Surface installation

Accessories

Surface joint



Mechanical



Surface installation
with remote driver

Accessories

Recessed power joint



Electrical and mechanical

or

Recessed power joint with rose



Electrical and mechanical

\+

Surface joint



Mechanical



Suspension installation

Accessories

Recessed joint



Mechanical



Suspension installation
with remote driver

Power suspension joint



Electrical and mechanical

or

Recessed power joint with rose



Electrical and mechanical

\+

Suspension joint



Mechanical



57W - 220 - 240 V

or



120W - 110 - 240 V

1-10V /Non Dimmable

(select the driver with the appropriate power according to the needs of your project)



57W - 220 - 240 V

or



120W - 110 - 240 V

1-10V

(select the driver with the appropriate power according to the needs of your project)

DIVERSION

3 SELECT POWER SUPPLY AND CONTROL OPTION

Surface installation

Surface power supply



1-10 / Dali broadcast / Casambi broadcast

Recessed installation

or



120W - 110 - 240 V

Dali broadcast

or



57W - 220 - 240 V

or



Casambi broadcast

(select the driver with the appropriate power according to the needs of your project)

Surface installation

Surface power supply



1-10V / Dali broadcast / Casambi broadcast

Suspension installation

or



120W - 110 - 240 V

Dali broadcast

or



57W - 220 - 240 V

or



120W - 110 - 240 V

Casambi broadcast

(select the driver with the appropriate power according to the needs of your project)

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Atom 90





S/M

Atom 120





S/M

Atom 90





S/M

Casambi

Atom 120





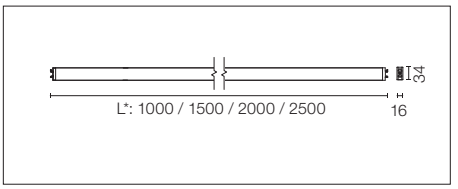
S/M

Casambi

Diversion Down

Light Source: Top LED 13,5 W/m - 1540 lm/m - 2700K/CRI 90 - 3000K/CRI 90





IP 20

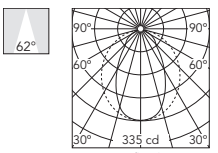
LED INCL

Electro-mechanical profile for indoor application with integrated direct linear light element for surface or suspended installation. With lengths varying from 1 to 2.5m* (distance between ball joint centers). Fixation by a joint with power kit. Power kit and mechanical joint must be ordered separately.
System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.

Perfil electro-mecánico de interior con iluminación lineal directa integrada para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m* (distancia entre centros de las rótulas). Con fijación mediante kit de alimentación con rótula. Necesario pedir por separado kit de alimentación y rótula mecánica.
Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.

2700K

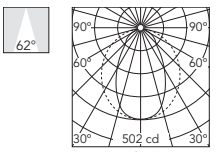
L: 1000 mm -13,5W - 1540 lm
- 09.8000.40
- 09.8000.1A
- 09.8000.14
- 09.8000.CZ



Luminous flux luminaire 634 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03

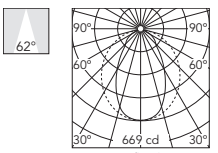
L: 1500 mm - 20,5W - 2310 lm
- 09.8002.40
- 09.8002.1A
- 09.8002.14
- 09.8002.CZ



Luminous flux luminaire 951 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03

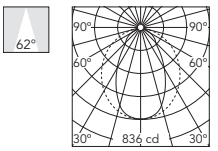
L: 2000 mm - 27,5W - 3080 lm
- 09.8004.40
- 09.8004.1A
- 09.8004.14
- 09.8004.CZ



Luminous flux luminaire 1267 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03

L: 2500 mm - 34,5W - 3850 lm
- 09.8006.40
- 09.8006.1A
- 09.8006.14
- 09.8006.CZ



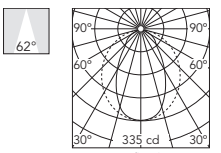
Luminous flux luminaire 1584 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	836	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

@White (40)

3000K

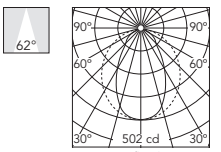
L: 1000 mm -13,5W - 1540 lm
- 09.8001.40
- 09.8001.1A
- 09.8001.14
- 09.8001.CZ



Luminous flux luminaire 634 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03

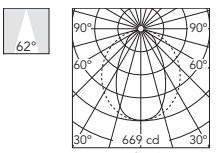
L: 1500 mm - 20,5W - 2310 lm
- 09.8003.40
- 09.8003.1A
- 09.8003.14
- 09.8003.CZ



Luminous flux luminaire 951 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03

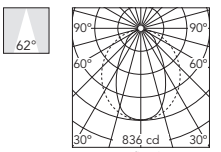
L: 2000 mm - 27,5W - 3080 lm
- 09.8005.40
- 09.8005.1A
- 09.8005.14
- 09.8005.CZ



Luminous flux luminaire 1267 lm

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03

L: 2500 mm - 34,5W - 3850 lm
- 09.8007.40
- 09.8007.1A
- 09.8007.14
- 09.8007.CZ



Luminous flux luminaire 1584 lm

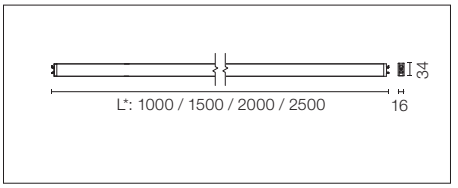
Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	836	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

@White (40)

Diversion Up&Down

Light Source: Top LED 20,5 W/m - 744 lm/m UP - 1540 lm/m DOWN - 2700K/CRI 90 - 3000K/CRI 90





IP 20

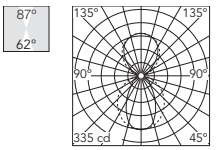
LED INCL

Electro-mechanical profile for indoor application with integrated direct and indirect linear light element for surface or suspended installation. With lengths varying from 1 to 2.5m* (distance between ball joint centers). Fixation by fed suspension kit and suspended by a joint. Power kit and mechanical joint must be ordered separately.
System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.

Perfil electro-mecánico de interior con iluminación lineal directa e indirecta integrada para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m* (distancia entre centros de las rótulas). Con fijación mediante kit de suspensión alimentado y suspendido mediante rótula. Necesario pedir por separado kit de alimentación y rótula mecánica. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.

2700K

L: 1000 mm - 20,5W
744 lm UP - 1540 lm DOWN
- 09.8010.40
- 09.8010.1A
- 09.8010.14
- 09.8010.CZ

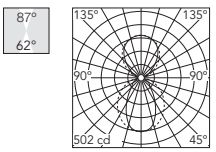


Beam Angle: 62°

h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03

Luminous flux luminaire 1244 lm

L: 1500 mm - 32W
1116 lm UP - 2310 lm DOWN
- 09.8012.40
- 09.8012.1A
- 09.8012.14
- 09.8012.CZ

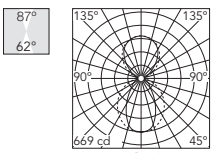


Beam Angle: 62°

h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03

Luminous flux luminaire 1867 lm

L: 2000 mm - 43W
1488 lm UP - 3080 lm DOWN
- 09.8014.40
- 09.8014.1A
- 09.8014.14
- 09.8014.CZ

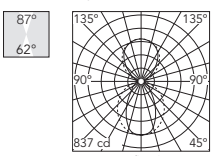


Beam Angle: 62°

h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03

Luminous flux luminaire 2489 lm

L: 2500 mm - 54,5W
1860 lm UP - 3850 lm DOWN
- 09.8016.40
- 09.8016.1A
- 09.8016.14
- 09.8016.CZ



Beam Angle: 62°

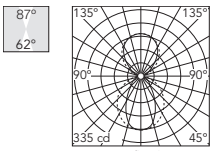
h(m)	E(lx)	D(m)
1	837	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

Luminous flux luminaire 3111 lm

@White (40)

3000K

L: 1000 mm - 20,5W
744 lm UP - 1540 lm DOWN
- 09.8011.40
- 09.8011.1A
- 09.8011.14
- 09.8011.CZ

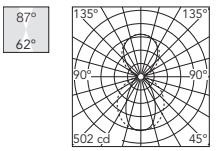


Beam Angle: 62°

h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03

Luminous flux luminaire 1244 lm

L: 1500 mm - 32W
1116 lm UP - 2310 lm DOWN
- 09.8013.40
- 09.8013.1A
- 09.8013.14
- 09.8013.CZ

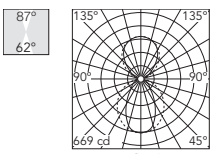


Beam Angle: 62°

h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03

Luminous flux luminaire 1867 lm

L: 2000 mm - 43W
1488 lm UP - 3080 lm DOWN
- 09.8015.40
- 09.8015.1A
- 09.8015.14
- 09.8015.CZ

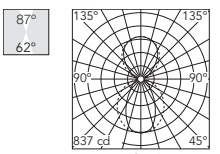


Beam Angle: 62°

h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03

Luminous flux luminaire 2489 lm

L: 2500 mm - 54,5W
1860 lm UP - 3850 lm DOWN
- 09.8017.40
- 09.8017.1A
- 09.8017.14
- 09.8017.CZ



Beam Angle: 62°

h(m)	E(lx)	D(m)
1	837	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

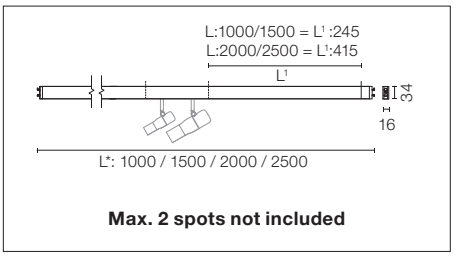
Luminous flux luminaire 3111 lm

@White (40)

Diversion Down + Spots

Light Source: Top LED 11W/m* - 1255 lm/m - 2700K/CRI 90 - 3000K/CRI 90





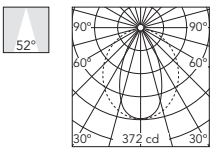
IP 20 · LED INCL

Electro-mechanical profile for indoor application with integrated direct linear light element and space for two spots, for surface or suspended installation. With lengths varying from 1 to 2.5m* (distance between ball joint centers). Fixation by fed suspension kit and suspended by a joint. Power kit and mechanical joint must be ordered separately.
System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.
For single profile structures, suspended version, balance the spot to avoid profile tilting.

Perfil electro-mecánico de interior con iluminación lineal directa integrada y espacio para dos spots, para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m* (distancia entre centros de las rótulas). Con fijación mediante kit de suspensión alimentado y suspendido mediante rótula. Necesario pedir por separado kit de alimentación y rótula mecánica.
Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.
En estructuras de suspensión compuestas por un único perfil, es necesario equilibrar los spots para evitar la inclinación del perfil.

2700K

L: 1000 mm - 11W - 1255 lm
- 09.8020.40
- 09.8020.1A
- 09.8020.14
- 09.8020.CZ

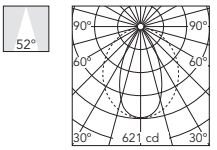


Luminous flux luminaire 516 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	372	0.97
2	93	1.93
3	41	2.90
4	23	3.87
5	15	4.84

L: 1500 mm - 18W - 2097 lm
- 09.8022.40
- 09.8022.1A
- 09.8022.14
- 09.8022.CZ

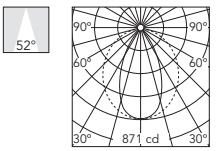


Luminous flux luminaire 863 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	621	0.97
2	155	1.93
3	69	2.90
4	39	3.87
5	25	4.84

L: 2000 mm - 25W - 2939 lm
- 09.8024.40
- 09.8024.1A
- 09.8024.14
- 09.8024.CZ

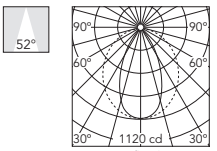


Luminous flux luminaire 1209 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	871	0.97
2	218	1.93
3	97	2.90
4	54	3.87
5	35	4.84

L: 2500 mm - 32W - 3781 lm
- 09.8026.40
- 09.8026.1A
- 09.8026.14
- 09.8026.CZ



Luminous flux luminaire 1556 lm

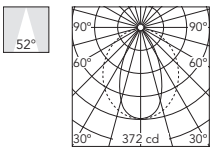
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1120	0.97
2	280	1.93
3	124	2.90
4	70	3.87
5	45	4.84

@White (40)

3000K

L: 1000 mm - 11W - 1255 lm
- 09.8021.40
- 09.8021.1A
- 09.8021.14
- 09.8021.CZ

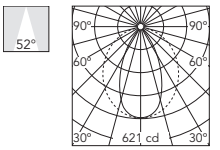


Luminous flux luminaire 516 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	372	0.97
2	93	1.93
3	41	2.90
4	23	3.87
5	15	4.84

L: 1500 mm - 18W - 2097 lm
- 09.8023.40
- 09.8023.1A
- 09.8023.14
- 09.8023.CZ

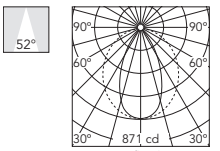


Luminous flux luminaire 863 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	621	0.97
2	155	1.93
3	69	2.90
4	39	3.87
5	25	4.84

L: 2000 mm - 25W - 2939 lm
- 09.8025.40
- 09.8025.1A
- 09.8025.14
- 09.8025.CZ

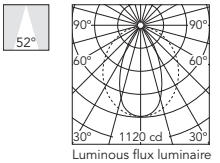


Luminous flux luminaire 1209 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	871	0.97
2	218	1.93
3	97	2.90
4	54	3.87
5	35	4.84

L: 2500 mm - 32W - 3781 lm
- 09.8027.40
- 09.8027.1A
- 09.8027.14
- 09.8027.CZ



Luminous flux luminaire 1556 lm

Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1120	0.97
2	280	1.93
3	124	2.90
4	70	3.87
5	45	4.84

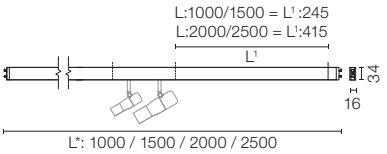
@White (40)

* Power without spots / Potencia sin spots.

Diversion Up&Down + Spots

Light Source: Top LED 18W/m* - 1999 lm/m - 2700K/CRI 90 - 3000K/CRI 90





Max. 2 spots not included

IP 20 — LED INCL

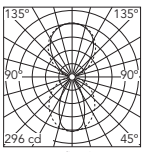
Electro-mechanical profile for indoor application with integrated direct linear light element and space for two spots, for surface or suspended installation. With lengths varying from 1 to 2.5m* (distance between ball joint centers). Fixation by fed suspension kit and suspended by a joint. Power kit and mechanical joint must be ordered separately.
System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.
For single profile structures, suspended version, balance the spot to avoid profile tilting.

Perfil electro-mecánico de interior con iluminación lineal directa integrada y espacio para dos spots, para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m* (distancia entre centros de las rótulas). Con fijación mediante kit de suspensión alimentado y suspendido mediante rótula. Necesario pedir por separado kit de alimentación y rótula mecánica.
Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.
En estructuras de suspensión compuestas por un único perfil, es necesario equilibrar los spots para evitar la inclinación del perfil.

2700K

L: 1000 mm - 18W
744 lm UP - 1255 lm DOWN
- 09.8030.40
- 09.8030.1A
- 09.8030.14
- 09.8030.CZ



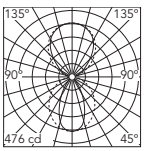


Luminous flux luminaire 1089 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	296	0.97
2	74	1.93
3	33	2.90
4	18	3.87
5	12	4.84

L: 1500 mm - 29,5W
1166 lm UP - 2097 lm DOWN
- 09.8032.40
- 09.8032.1A
- 09.8032.14
- 09.8032.CZ



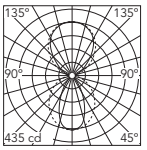


Luminous flux luminaire 1751 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	476	0.97
2	119	1.93
3	53	2.90
4	30	3.87
5	19	4.84

L: 2000 mm - 40,5W
1488 lm UP - 2939 lm DOWN
- 09.8034.40
- 09.8034.1A
- 09.8034.14
- 09.8034.CZ



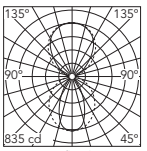


Luminous flux luminaire 1601 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	435	0.97
2	109	1.93
3	48	2.90
4	27	3.87
5	17	4.84

L: 2500 mm - 52W
1816 lm UP - 3781 lm DOWN
- 09.8036.40
- 09.8036.1A
- 09.8036.14
- 09.8036.CZ





Luminous flux luminaire 3074 lm

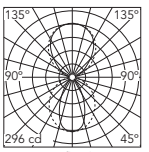
Beam Angle:		52°
h(m)	E(lx)	D(m)
1	835	0.97
2	209	1.93
3	93	2.90
4	52	3.87
5	33	4.84

@White (40)

3000K

L: 1000 mm - 18W
744 lm UP - 1255 lm DOWN
- 09.8031.40
- 09.8031.1A
- 09.8031.14
- 09.8031.CZ



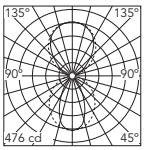


Luminous flux luminaire 1089 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	296	0.97
2	74	1.93
3	33	2.90
4	18	3.87
5	12	4.84

L: 1500 mm - 29,5W
1166 lm UP - 2097 lm DOWN
- 09.8033.40
- 09.8033.1A
- 09.8033.14
- 09.8033.CZ



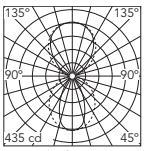


Luminous flux luminaire 1751 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	476	0.97
2	119	1.93
3	53	2.90
4	30	3.87
5	19	4.84

L: 2000 mm - 40,5W
1488 lm UP - 2939 lm DOWN
- 09.8035.40
- 09.8035.1A
- 09.8035.14
- 09.8035.CZ



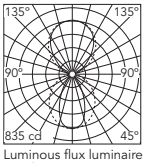


Luminous flux luminaire 1601 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	435	0.97
2	109	1.93
3	48	2.90
4	27	3.87
5	17	4.84

L: 2500 mm - 52W
1816 lm UP - 3781 lm DOWN
- 09.8037.40
- 09.8037.1A
- 09.8037.14
- 09.8037.CZ





Luminous flux luminaire 3074 lm

Beam Angle:		52°
h(m)	E(lx)	D(m)
1	835	0.97
2	209	1.93
3	93	2.90
4	52	3.87
5	33	4.84

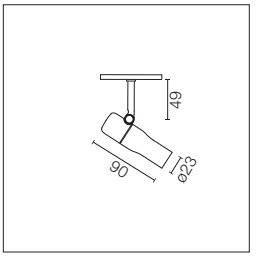
@White (40)

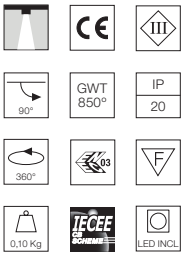
* Power without spots / Potencia sin spots.

Atom 90 Designed By Piero Lissoni

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







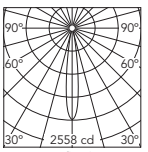
LED accent lighting module to be installed in the Diversion system. Electronic DC/DC converter incorporated. System controlled by 1-10V, DALI or Casambi. Broadcast control system. Dimmer not included. To individually control the spots via Casambi, choose the Casambi version of spots. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Diversion. Convertidor electrónico DC/DC incorporado. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido. Para controlar individualmente los spots vía Casambi seleccionar los spots versión Casambi. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3831.40A
- 09.3831.1AA
- 09.3831.14A
- 09.3831.CZA

Casambi
- 09.3931.40A
- 09.3931.14A
- 09.3931.CZA

14° SPOT



Luminous flux luminaire 224 lm

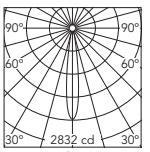
Beam Angle: 14°

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
- 09.3830.1AA
- 09.3830.14A
- 09.3830.CZA

Casambi
- 09.3930.40A
- 09.3930.14A
- 09.3930.CZA

14° SPOT



Luminous flux luminaire 247 lm

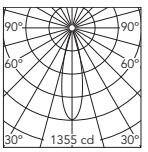
Beam Angle: 14°

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
- 09.3833.1AA
- 09.3833.14A
- 09.3833.CZA

Casambi
- 09.3933.40A
- 09.3933.14A
- 09.3933.CZA

25° MEDIUM



Luminous flux luminaire 261 lm

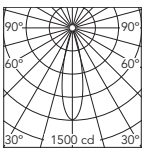
Beam Angle: 25°

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
- 09.3832.1AA
- 09.3832.14A
- 09.3832.CZA

Casambi
- 09.3932.40A
- 09.3932.14A
- 09.3932.CZA

25° MEDIUM



Luminous flux luminaire 289 lm

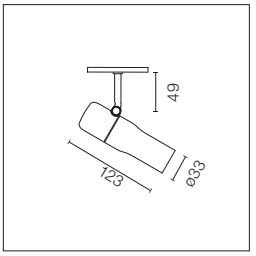
Beam Angle: 25°

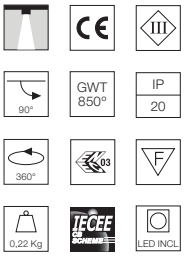
h(m)	E(lx)	D(m)
1	1500	0.45
2	375	0.89
3	167	1.34
4	94	1.79
5	60	2.23

Atom 120 Designed By Piero Lissoni

Light Source: Power LED 8W - 635 lm - 2700K/CRI 90 / 8W - 680 lm - 3000K/CRI 90







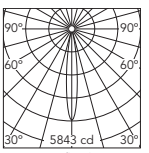
LED accent lighting module to be installed in the Diversion system. Electronic DC/DC converter incorporated. System controlled by 1-10V, DALI or Casambi. Broadcast control system. Dimmer not included. To individually control the spots via Casambi, choose the Casambi version of spots. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Diversion. Convertidor electrónico DC/DC incorporado. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.Para controlar individualmente los spots vía Casambi seleccionar los spots versión Casambi. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3841.40A
- 09.3841.1AA
- 09.3841.14A
- 09.3841.CZA

Casambi
- 09.3941.40A
- 09.3941.14A
- 09.3941.CZA

14° SPOT



Luminous flux luminaire 433 lm

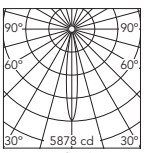
Beam Angle: 14°

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
- 09.3840.1AA
- 09.3840.14A
- 09.3840.CZA

Casambi
- 09.3940.40A
- 09.3940.14A
- 09.3940.CZA

14° SPOT



Luminous flux luminaire 440 lm

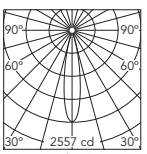
Beam Angle: 14°

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
- 09.3843.1AA
- 09.3843.14A
- 09.3843.CZA

Casambi
- 09.3943.40A
- 09.3943.14A
- 09.3943.CZA

20° MEDIUM



Luminous flux luminaire 364 lm

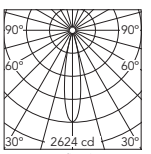
Beam Angle: 20°

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
- 09.3842.1AA
- 09.3842.14A
- 09.3842.CZA

Casambi
- 09.3942.40A
- 09.3942.14A
- 09.3942.CZA

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

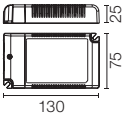
Drivers / Equipos

Remote Installation

Remote power supply. Dimmable through 1/10V protocol or Non Dimmable. 24V. Dimming range 20-100%

Fuente de alimentación remota. Dimable mediante protocolo 1/10V o No Dimable. 24V Rango de regulación 20-100%



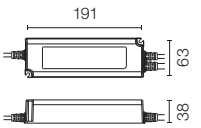


57W - 220/240V
60.9361

Remote power supply. Dimmable through 0-1/10V protocol. 24V. Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota. Dimable mediante protocolo 0-1/10V. 24V Rango de regulación 10-100%. Carga mínima 20W.



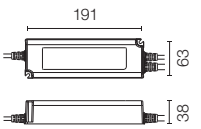


120W - 110*/240V
60.9681
*UL max 100W

Remote power supply. Dimmable through DALI protocol. 24V. Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota. Dimable mediante protocolo DALI 2. 24V. Rango de regulación 10-100%. Carga mínima 20W





120W - 110*/240V
60.9682
*UL max 100W

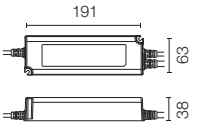
Casambi

Remote Installation

Remote power supply. Dimmable through Casambi protoco. 24V. Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota. Dimable mediante protocolo Casambi. 24V. Rango de regulación 10-100%. Carga mínima 20W



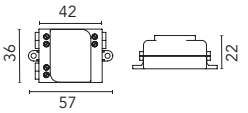


120W - 110*/240V
60.9683
*UL max 100W

Casambi controller. Use only with 60.9361. Requires 1-10V or Dali driver. It must be ordered separately. Dimming range 20-100%

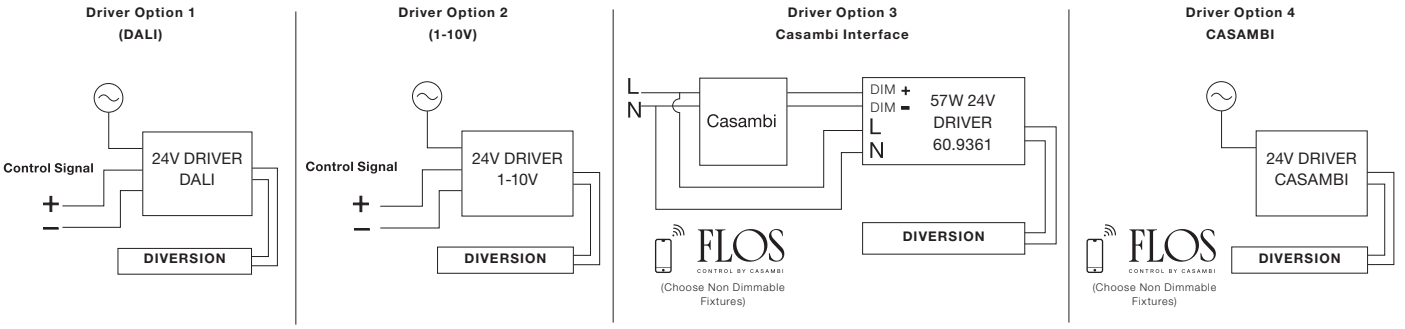
Controlador Casambi. Usar sólo con 60.9361. Requiere driver 1-10V o Dali, pedir por separado. Rango de regulación 20-100%



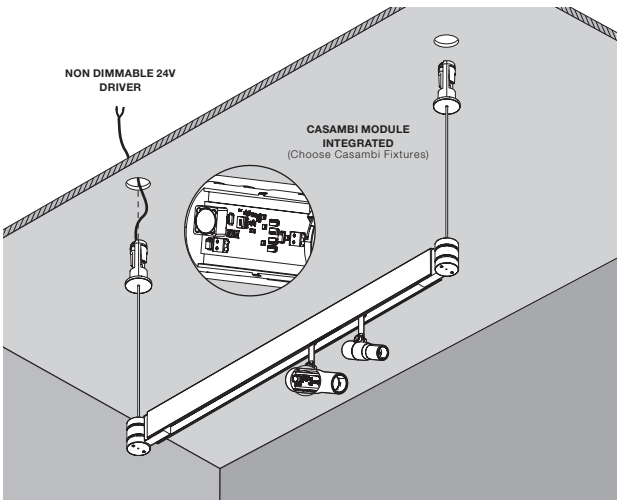


220-240Vac
60.9392

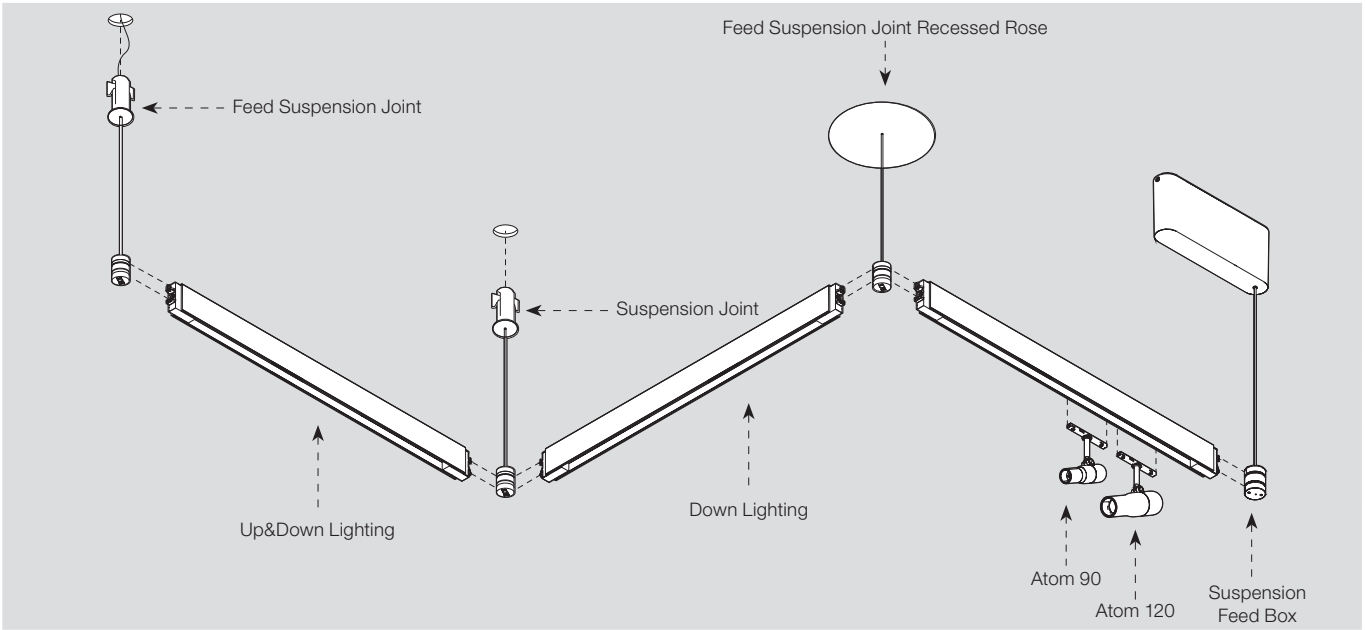
Remote Driver Installations - Broadcast



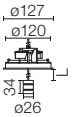
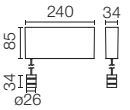
Spots CASAMBI Individual & NO DIM Linear Lights



SUSPENSION INSTALLATION

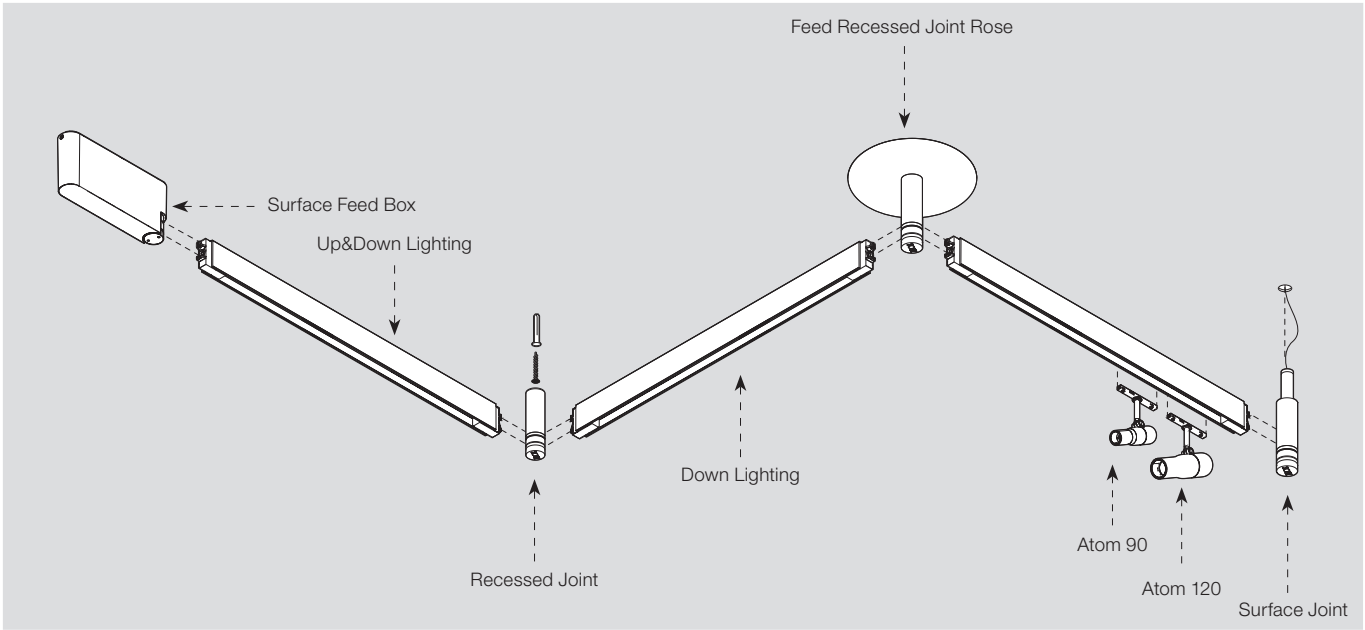


Accessories / Accesorios

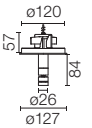
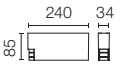
Feed suspension joint. 24V. Power cable: 3800 mm.	Rótula de alimentación de suspensión. 24V. Cable de alimentación: 3800 mm.			06.5300.40 06.5300.1A 06.5300.14 06.5300.CZ
Suspension joint. 0.6 mm thick, 3800 mm long steel wire.	Rótula de suspensión. Alambre de acero de 0,6 mm de espesor y longitud 3800 mm.			06.5301.40 06.5301.1A 06.5301.14 06.5301.CZ
Feed suspension joint with rose, for recessing. 24V. Power cable: 3800 mm.	Rótula de alimentación de suspensión para empotrar con rosetón. 24V. Cable de alimentación: 3800 mm.			06.5302.40 06.5302.1A 06.5302.14 06.5302.CZ
Suspension feed box, for surface installation. 24V. Power cable: 3800 mm. Driver included (1-10V/DALI/ Casambi).	Caja de alimentación de suspensión para instalación en superficie. 24V. Cable de alimentación: 3800 mm. Driver incluido (1-10V/DALI/ Casambi).			1-10V / 57W - 220-240Vac 06.5310.40 06.5310.1A 06.5310.14 06.5310.CZ *DALI / 57W - 220-240Vac 06.5314.40 06.5314.1A 06.5314.14 06.5314.CZ Casambi / 57W - 220-240Vac 06.5311.40 06.5311.1A 06.5311.14 06.5311.CZ
Suspension joint, for surface installation. 0.6 mm thick, 3800 mm long steel wire.	Rótula de suspensión para instalación en superficie. Alambre de acero de 0,6 mm de espesor y longitud 3800 mm.			06.5303.40 06.5303.1A 06.5303.14 06.5303.CZ

* Compatible DALI interface (IEC 62386-101/102). 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 / Interfaz DALI compatible (IEC 62386-101/102). Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.

SURFACE INSTALLATION



Accessories / Accesorios

Feed recessed joint. 24V	Rótula de alimentación empotrada. 24V.			06.5304.40 06.5304.1A 06.5304.14 06.5304.CZ
Recessed / surface joint.	Rótula empotrable y de superficie.			06.5305.40 06.5305.1A 06.5305.14 06.5305.CZ
Feed recessed joint rose. 24V.	Rótula de alimentación empotrada con rosetón. 24V.			06.5306.40 06.5306.1A 06.5306.14 06.5306.CZ
Surface feed box, for ceiling installation. 24V. Driver included (1-10V/DALI/ Casambi).	Caja de alimentación para instalación en superficie. 24V. Driver incluido (1-10V/DALI/ Casambi).			1-10V / 57W - 220-240Vac 06.5312.40 06.5312.1A 06.5312.14 06.5312.CZ *DALI / 57W - 220-240Vac 06.5315.40 06.5315.1A 06.5315.14 06.5315.CZ Casambi / 57W - 220-240Vac 06.5313.40 06.5313.1A 06.5313.14 06.5313.CZ

* Compatible DALI interface (IEC 62386-101/102). 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 / Interfaz DALI compatible (IEC 62386-101/102). Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.

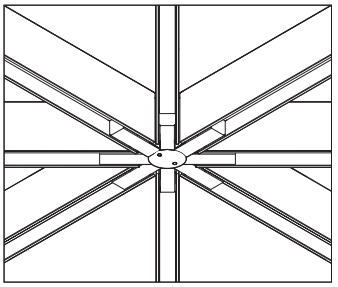
DIVERSION — FAQ

• How many profiles can I feed up with the same driver?
Power is the limit. When using the 120W driver model, the number of luminaires must be adjusted to that maximum consumption.

• How many profiles can I connect to one single joint?
It is possible to connect up to 8 profiles to the same joint.

• ¿Cuántos perfiles puedo alimentar con la misma fuente de alimentación?
La limitación es la potencia. Usando la fuente de alimentación de 120W hay que ajustar el número de luminarias a dicho máximo.

• ¿Cuántos perfiles puedo conectar a una sola rótula?
Se pueden conectar hasta 8 perfiles a una misma rótula.



• How many profiles can I feed up with one single feeding joint?
The maximum quantity is 8 pieces, one every 45°. The limit is represented by their total power consumption which has to be less than 120W.

- Example 1; when using 1m profiles with direct light emission (Down).
Lighting module power consumption = 13,5W.
120W/13,5W = 8,88 lighting modules, which means 8 modules maximum.
The joint could therefore feature up to 8 light modules single emission without spots.

- Example 2; when using 2,5m profiles featuring direct/indirect light emission (Up&Down) with 2 Atom 120 spots.
Lighting module power consumption including 2 spots = 54,5W + 2x8W = 70,5W.
120W/70,5W = 1,7 modules, which means 1 module maximum.
It is therefore possible to complete a joint attaching only one lighting module Up&Down equipped with two spots. In order to add more elements to the same joint, these will need to be fed by another dedicated joint located on the opposite side of the profile.

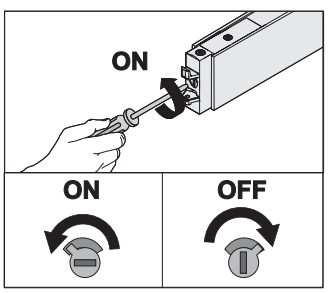
Please make sure to set the integrated switches located at the end of each profile. This will avoid switching multiple power supplies, which would cause the entire system to malfunction.

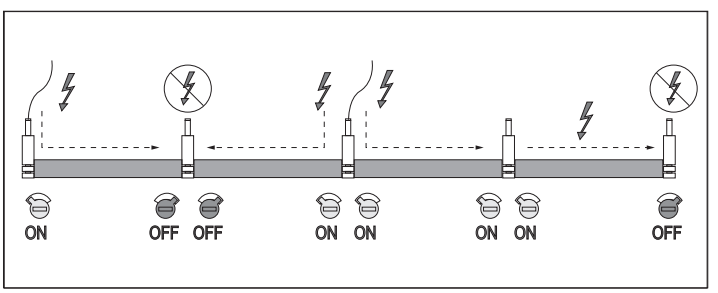
• ¿Cuántos perfiles puedo alimentar desde una sola rótula de alimentación?
El máximo es 8, uno cada 45º y la limitación es la potencia que tiene que ser menor de 120W.

- Ejemplo 1; usando los perfiles de 1m y de iluminación directa (Down).
Potencia Módulo de luz = 13,5W.
120W/13,5W = 8,88 módulos, ajustando al entero inferior resulta el máximo 8 módulos.
Por lo que se podrá completar la rótula con el máximo de 8 módulos lineales de luz sin spots.

- Ejemplo 2; usando los perfiles de 2,5m con emisión directa e indirecta (Up&Down) con 2 spots Atom 120.
Potencia Módulo de luz + 2 spots = 54,5W + 2x8W = 70,5W.
120W/70,5W = 1,7 módulos, ajustando al entero inferior resulta el máximo 1 módulo.
Por lo que se podrá completar la rótula con un único módulo lineal de luz con dos spots. Para añadir más elementos a la misma rótula, éstos deberán ser alimentados desde otra rótula en el extremo opuesto.

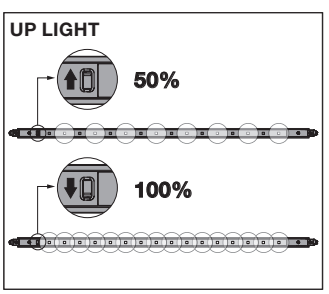
Es muy importante configurar los interruptores situados en los extremos de cada perfil, para evitar conmutar varias fuentes de alimentación, lo que provocaría que el sistema no funcionase correctamente.





• Can I control each luminaire individually?
No, the entire system is controlled simultaneously (broadcast). Direct and indirect lighting cannot be separated for independent control either.
Modules with indirect illumination are equipped with a switch to reduce the maximum power of 50%, establishing it as the maximum without affecting the DALI, 1-10V or Casambi dimming options.

• ¿Puedo controlar individualmente cada luminaria?
No, todo el sistema se controla simultáneamente (broadcast). La iluminación directa e indirecta tampoco se puede separar para su control independiente.
Los módulos con iluminación indirecta están dotados de un conmutador para reducir la potencia máxima de al 50%, estableciéndose éste como el máximo sin afectar a las opciones de regulación DALI, 1-10V o Casambi.



DIVERSION — FAQ

• Which is the biggest profile I can install with the surface power supply?
- Up&Down - 2500mm
- Up&Down + 2 Spots - 2000m
- Down - 2500mm
- Down + 2 Spots - 2500mm

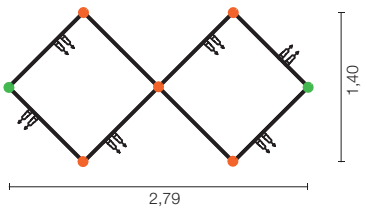
• Which kind of layouts can be designed with Diversion?
As an example, we show the following compositions; the possibilities of configuration with this system are almost endless considering that the minimum angle between two profiles is 45º and the maximum load depends on the feeding equipment selected.
(Feeding equipment is not included, depending on the installation, the equipment can be remote or with suspension or surface boxes).

• ¿Con la alimentación de superficie cuál es el mayor perfil que puedo instalar?
- Up&Down - 2500mm
- Up&Down + 2 Spots - 2000m
- Down - 2500mm
- Down + 2 Spots - 2500mm

• ¿Qué tipos de esquemas de distribución de elementos (layout) se pueden realizar con el sistema Diversion?
A modo de ejemplo mostramos las siguientes composiciones, las posibilidades son infinitas teniendo en cuenta que el ángulo mínimo entre dos perfiles es de 45º y la carga máxima del equipo de alimentación seleccionado.
(Equipos de alimentación no incluidos, en función de la instalación los equipos pueden ser remotos o con cajas de suspensión o de superficie).

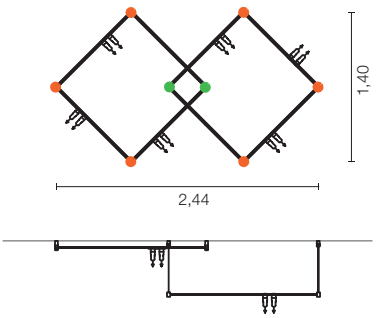
Example No.1

6 x Light Module Diversion Down + Spots - L 1000 mm
2 x Light Module Diversion Down - L 1000 mm
12 x Atom 120
5 x Joint
2 x Power Joint



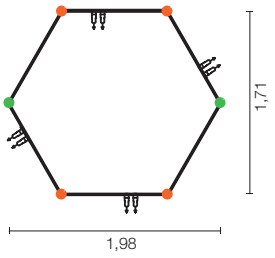
Example No.2

6 x Light Module Diversion Down + Spots - L 1000 mm
2 x Light Module Diversion Down - L 1000 mm
12 x Atom 90
1 x Power Joint Suspension
3 x Joint Suspension
1 x Power Joint Surface
3 x Joint Surface



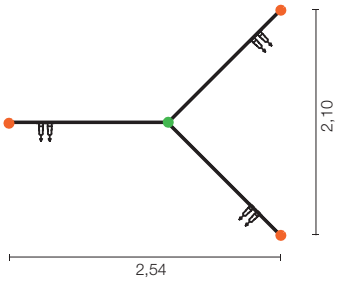
Example No.3

4 x Light Module Diversion Down + Spots - L 1000 mm
2 x Light Module Diversion Down - L 1000 mm
8 x Atom 120
4 x Joint
2 x Power Joint



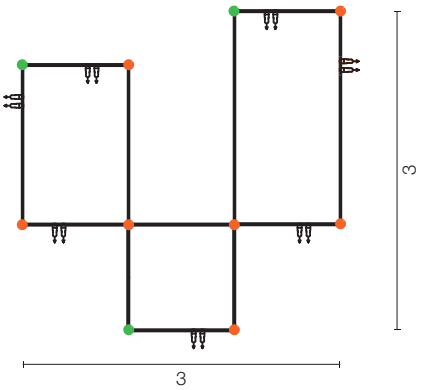
Example No.4

3 x Light Module Diversion Down + Spots - L 1000 mm
6 x Atom 90
3 x Joint
1 x Power Joint



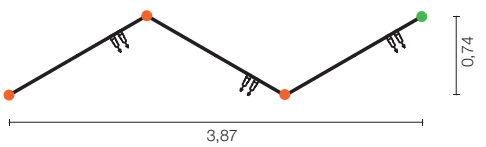
Example No.5

5 x Light Module Diversion Down + Spots - L 1000 mm
3 x Light Module Diversion Down - L 1000 mm
1 x Light Module Diversion Down + Spots - L 1500 mm
1 x Light Module Diversion Down - L 1500 mm
1 x Light Module Diversion Down + Spots - L 2000 mm
1 x Light Module Diversion Down - L 2000 mm
14 x Atom 90
6 x Joint
3 x Power Joint



Example No.6

3 x Light Module Diversion Up&Down + Spots - L 1500 mm
6 x Atom 90
3 x Joint
1 x Power Joint

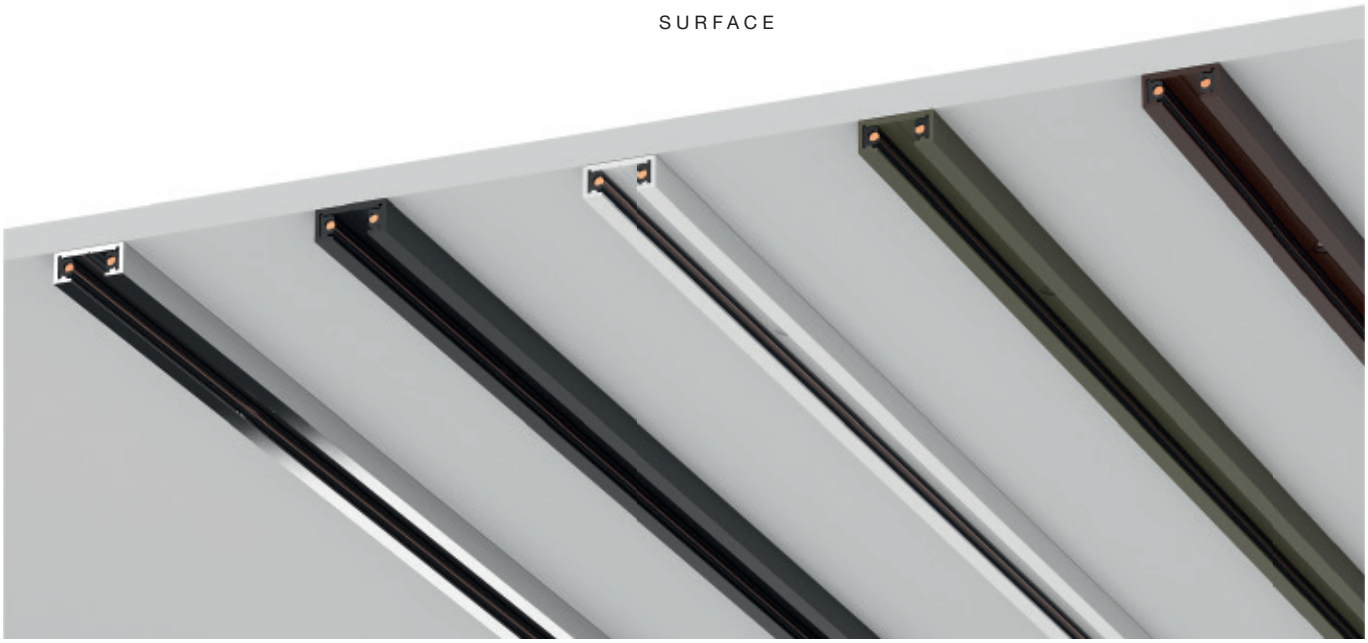




ZERO TRACK

DESIGNED BY FLOS ARCHITECTURAL

SURFACE



Surface Profiles

- 40 White / 40 Blanco
- 06 Chrome / 06 Cromo
- 14 Black / 14 Negro
- CZ Bronce / 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

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, controlled by 1-10V broadcast control systems.
Available remote power supplies dimmable through 1/10V, DALI and Casambi Broadcast systems. Surface feeding unit available with 1/10V protocol. Casambi system available for individual bluetooth dimming of each light unit through the app FLOS Control® powered by Casambi for mobile (available on 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 dimmable 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.

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

Descripción
Este nuevo sistema de perfiles para su instalación en superficie se caracteriza por sus dimensiones reducidas lo que le confiere una estética minimalista muy apreciada en diversos espacios arquitectónicos. Para soluciones en techos no accesibles, el sistema dispone de fuentes de alimentación atenuables integradas, mediante sistemas de control broadcast 1-10V.
Disponibles fuentes de alimentación remotas regulables mediante sistemas 1/10V, DALI y Casambi en modo broadcast. En superficie la regulación será mediante el protocolo 1/10V. Sistema Casambi para regulación individual bluetooth de cada punto de luz mediante APP FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
El sistema de carriles de aluminio de hasta 3m extruido en blanco, negro, deep brown, bronce y cromo.
Están dotados de pistas eléctricas para ser alimentadas a 24Vdc.

Sistema Óptico
- 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.

Unidades de Alimentación
El sistema puede alimentarse mediante fuente de alimentación remota no incluida o con los equipos de alimentación para insertar en el carril que sí incluyen una fuente de alimentación regulable.
El conector de alimentación inicial dispone de reserva para la entrada de los cables tanto por la parte superior como por el lateral. El conector de alimentación, el alimentador intermedio y las esquinas de 90° son alimentables solo por la parte trasera.
La longitud máxima del carril con un mismo driver es de 10 m.

Información Adicional
Sistema eléctrico alimentado a 24Vdc y limitado a una corriente máxima de 5A y 120W.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

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



25W / 36W / 57W



120W

Non Dimmable / 1-10V



120W

Dali broadcast



+



Non Dimmble / 1-10V
25W / 36W / 57W

or



Casambi
120W

Casambi broadcast



or



+



25W / 36W / 57W

120W

Casambi
integrated spots

Casambi individual

(select the driver with the appropriate power according to the needs of your project)

Surface installation



or



Non Dimmable / 1-10V



or

+



Casambi
integrated spots



Casambi individual

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

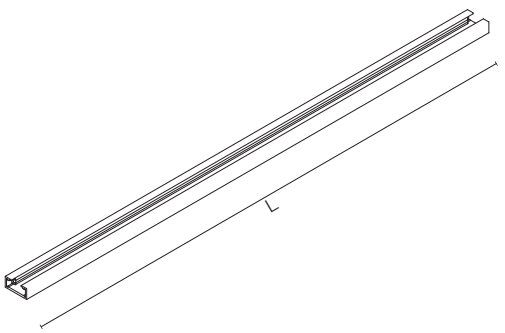
ZERO TRACK SURFACE — PROFILES

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 90º 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.

Perfiles

Perfil electromecánico de interior para su instalación en superficie (techo o pared) con fijación mediante tornillos tacos específicos servidos con el perfil. Con longitudes de 1 a 3m.
Necesario pedir por separado conector de alimentación, conectores intermedios y tapas.
Disponibles esquinas mecánicas alimentables de 90º y curva en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquina de 90º en distinto plano (techo-pared y pared-pared interior), así como uniones en “T” y cruces.
Para instalaciones verticales es necesario instalar el tope de fijación (stopper) que se tiene que pedir por separado.



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

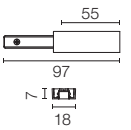
L: 2000 mm
06.2501.40
06.2501.06
06.2501.14
06.2501.CZ
06.2501.18

L: 3000 mm
06.2502.40
06.2502.06
06.2502.14
06.2502.CZ
06.2502.18

Feed unit for remote power supply unit. Power cable inserting is possible both from the top and the side.

Conector de alimentación para equipo remoto. Posible entrada del cable de alimentación tanto superior como lateral.



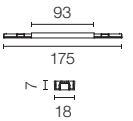


06.2540.40
06.2540.14
06.2540.CZ
06.2540.18

Feed intermediate connector. Upper feeding cable entry.

Conector de alimentación intermedio. Entrada del cable de alimentación superior.



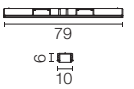


06.2541.40
06.2541.14
06.2541.CZ
06.2541.18

Intermediate connector.

Conector intermedio.



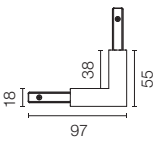


06.2506.40
06.2506.14

90º flat corner. Can be powered. It has a rear space for the supply connection.

Esquina plana 90º. Alimentable, con reserva para acometida por la parte trasera.



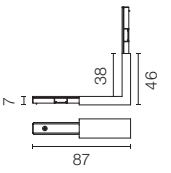


06.2542.40
06.2542.14
06.2542.CZ
06.2542.18

Ceiling/wall - wall/wall inner corner. Can be powered. It has two spaces for the supply connection located on each side at the rear.

Esquina interior techo/pared - pared/pared. Alimentable, con dos reservas para acometida por la parte trasera en cada lado.



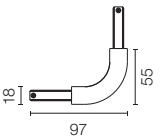


06.2543.40
06.2543.14
06.2543.CZ
06.2543.18

Interior ceiling/ceiling-wall/ wall curve. Can be powered via connections on the back.

Curva interior techo/techo - pared/pared. Alimentable, con acometida por la parte trasera.



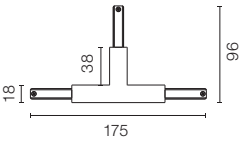


06.2544.40
06.2544.14
06.2544.CZ
06.2544.18

T-shaped connector. Can be powered via connections on the back.

Conector en forma de “T” . Alimentable, con acometida por la parte trasera.



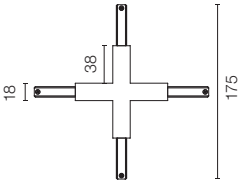


06.2545.40
06.2545.14
06.2545.CZ
06.2545.18

Cross-shaped connector. Can be powered via connections on the back.

Conector en forma de cruz . Alimentable, con acometida por la parte trasera.





06.2546.40
06.2546.14
06.2546.CZ
06.2546.18

End cap.

Terminal.





06.2509.40
06.2509.14
06.2509.CZ
06.2509.18

Stopper. For fixing luminaires in vertical track installations.

Stopper. Para fijación de luminarias en instalaciones de carril vertical.



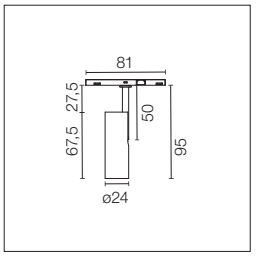


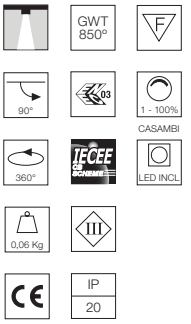
08.0630.40
08.0630.14

Find Me 0 Designed By Jorge Herrera

Light Source: Power LED 3,5W - 300 lm - 2700K/CRI 90 / 3,5W - 325 lm - 3000K/CRI 90







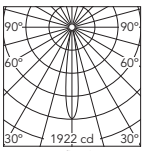
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3801.40A
- 09.3801.06A
- 09.3801.14A
- 09.3801.CZA
- 09.3801.18A

**Casambi integrated
- 09.3901.40A
- 09.3901.06A
- 09.3901.14A
- 09.3901.CZA
- 09.3901.18A

15° SPOT



Luminous flux luminaire 169 lm

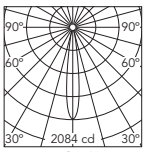
Beam Angle: 15°

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
- 09.3800.06A
- 09.3800.14A
- 09.3800.CZA
- 09.3800.18A

**Casambi integrated
- 09.3900.40A
- 09.3900.06A
- 09.3900.14A
- 09.3900.CZA
- 09.3900.18A

15° SPOT



Luminous flux luminaire 183 lm

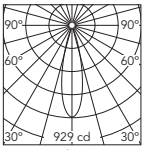
Beam Angle: 15°

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
- 09.3803.06A
- 09.3803.14A
- 09.3803.CZA
- 09.3803.18A

**Casambi integrated
- 09.3903.40A
- 09.3903.06A
- 09.3903.14A
- 09.3903.CZA
- 09.3903.18A

25° MEDIUM



Luminous flux luminaire 179 lm

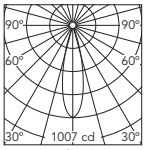
Beam Angle: 25°

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
- 09.3802.06A
- 09.3802.14A
- 09.3802.CZA
- 09.3802.18A

**Casambi integrated
- 09.3902.40A
- 09.3902.06A
- 09.3902.14A
- 09.3902.CZA
- 09.3902.18A

25° MEDIUM



Luminous flux luminaire 194 lm

Beam Angle: 25°

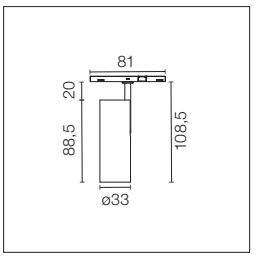
h(m)	E(lx)	D(m)
1	1007	0.45
2	252	0.89
3	112	1.34
4	63	1.79
5	40	2.23

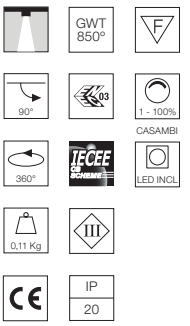
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

Find Me 1 Designed By Jorge Herrera

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







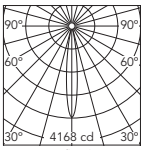
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3812.40A
- 09.3812.06A
- 09.3812.14A
- 09.3812.CZA
- 09.3812.18A

**Casambi integrated
- 09.3912.40A
- 09.3912.06A
- 09.3912.14A
- 09.3912.CZA
- 09.3912.18A

13° SPOT



Luminous flux luminaire 309 lm

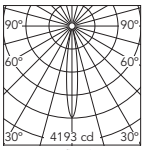
Beam Angle: 13°

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
- 09.3810.06A
- 09.3810.14A
- 09.3810.CZA
- 09.3810.18A

**Casambi integrated
- 09.3910.40A
- 09.3910.06A
- 09.3910.14A
- 09.3910.CZA
- 09.3910.18A

13° SPOT



Luminous flux luminaire 314 lm

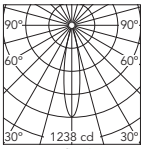
Beam Angle: 13°

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
- 09.3813.06A
- 09.3813.14A
- 09.3813.CZA
- 09.3813.18A

**Casambi integrated
- 09.3913.40A
- 09.3913.06A
- 09.3913.14A
- 09.3913.CZA
- 09.3913.18A

20° MEDIUM



Luminous flux luminaire 186 lm

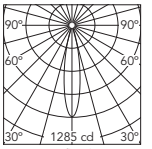
Beam Angle: 20°

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
- 09.3811.40A
- 09.3811.06A
- 09.3811.14A
- 09.3811.CZA
- 09.3811.18A

**Casambi integrated
- 09.3911.40A
- 09.3911.06A
- 09.3911.14A
- 09.3911.CZA
- 09.3911.18A

20° MEDIUM



Luminous flux luminaire 193 lm

Beam Angle: 20°

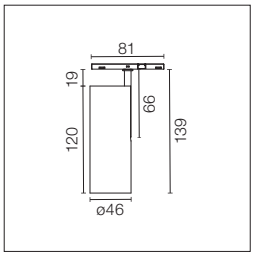
h(m)	E(lx)	D(m)
1	1285	0.35
2	321	0.70
3	143	1.06
4	80	1.41
5	51	1.76

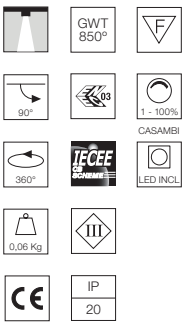
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

Find Me 2 Designed By Jorge Herrera

Light Source: Power LED 10,5W* - 650 lm - 2700K/CRI90 / 10,5W* - 700 lm - 3000K/CRI90







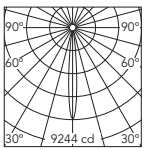
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3862.40A
- 09.3862.06A*
- 09.3862.14A
- 09.3862.CZA
- 09.3862.18A

**Casambi integrated
- 09.3962.40A
- 09.3962.06A*
- 09.3962.14A
- 09.3962.CZA
- 09.3962.18A

10° SPOT



Luminous flux luminaire
479 lm

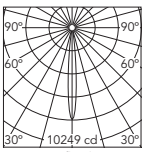
Beam Angle: 10°

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
- 09.3860.06A*
- 09.3860.14A
- 09.3860.CZA
- 09.3860.18A

**Casambi integrated
- 09.3960.40A
- 09.3960.06A*
- 09.3960.14A
- 09.3960.CZA
- 09.3960.18A

10° SPOT



Luminous flux luminaire
531 lm

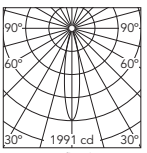
Beam Angle: 10°

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
- 09.3863.06A*
- 09.3863.14A
- 09.3863.CZA
- 09.3863.18A

**Casambi integrated
- 09.3963.40A
- 09.3963.06A*
- 09.3963.14A
- 09.3963.CZA
- 09.3963.18A

19° MEDIUM



Luminous flux luminaire
441 lm

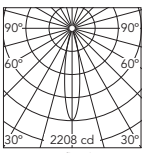
Beam Angle: 19°

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
- 09.3861.06A*
- 09.3861.14A
- 09.3861.CZA
- 09.3861.18A

**Casambi integrated
- 09.3961.40A
- 09.3961.06A*
- 09.3961.14A
- 09.3961.CZA
- 09.3961.18A

19° MEDIUM



Luminous flux luminaire
489 lm

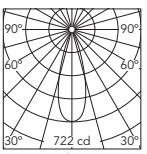
Beam Angle: 19°

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
- 09.3865.06A*
- 09.3865.14A
- 09.3865.CZA
- 09.3865.18A

**Casambi integrated
- 09.3965.40A
- 09.3965.06A*
- 09.3965.14A
- 09.3965.CZA
- 09.3965.18A

32° FLOOD



Luminous flux luminaire
364 lm

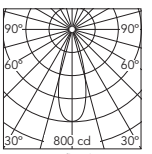
Beam Angle: 32°

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
- 09.3864.06A*
- 09.3864.14A
- 09.3864.CZA
- 09.3864.18A

**Casambi integrated
- 09.3964.40A
- 09.3964.06A*
- 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

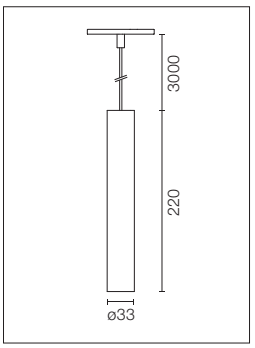
* For chrome finishes their power is 8W / Para el decorado cromo la potencia es 8W.

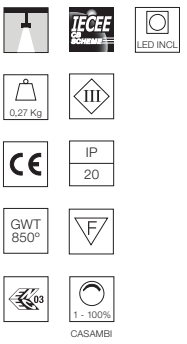
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

Find Me 1 Suspension Designed By Jorge Herrera

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







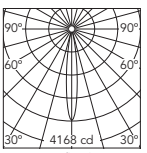
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Not suitable for vertical installations.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
No se puede instalar en carriles verticales.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3822.40A
- 09.3822.06A
- 09.3822.14A
- 09.3822.CZA
- 09.3822.18A

**Casambi integrated
- 09.3922.40A
- 09.3922.06A
- 09.3922.14A
- 09.3922.CZA
- 09.3922.18A

14° SPOT



Luminous flux luminaire
309 lm

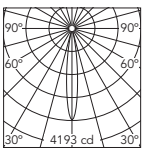
Beam Angle: 14°

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
- 09.3820.06A
- 09.3820.14A
- 09.3820.CZA
- 09.3820.18A

**Casambi integrated
- 09.3920.40A
- 09.3920.06A
- 09.3920.14A
- 09.3920.CZA
- 09.3920.18A

14° SPOT



Luminous flux luminaire
314 lm

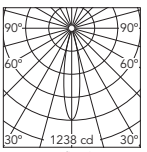
Beam Angle: 14°

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
- 09.3823.06A
- 09.3823.14A
- 09.3823.CZA
- 09.3823.18A

**Casambi integrated
- 09.3923.40A
- 09.3923.06A
- 09.3923.14A
- 09.3923.CZA
- 09.3923.18A

20° MEDIUM



Luminous flux luminaire
186 lm

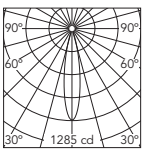
Beam Angle: 20°

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
- 09.3821.06A
- 09.3821.14A
- 09.3821.CZA
- 09.3821.18A

**Casambi integrated
- 09.3921.40A
- 09.3921.06A
- 09.3921.14A
- 09.3921.CZA
- 09.3921.18A

20° MEDIUM



Luminous flux luminaire
193 lm

Beam Angle: 20°

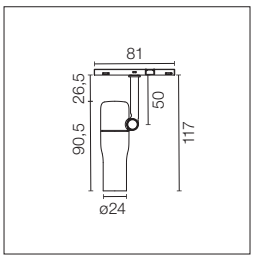
h(m)	E(lx)	D(m)
1	1285	0.35
2	321	0.70
3	143	1.06
4	80	1.41
5	51	1.76

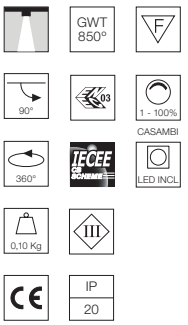
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

Atom 90 Designed By Piero Lissoni

Light Source: Power LED 5,5W* - 450 lm - 2700K/CRI 90 / 5,5W* - 485 lm - 3000K/CRI 90





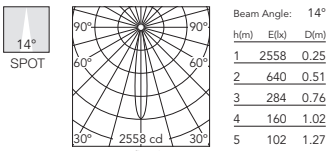


LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3831.40A
- 09.3831.06A*
- 09.3831.14A
- 09.3831.CZA
- 09.3831.18A

**Casambi integrated
- 09.3931.40A
- 09.3931.06A*
- 09.3931.14A
- 09.3931.CZA
- 09.3931.18A



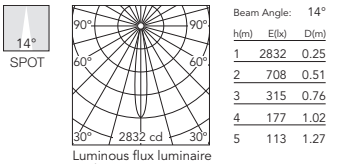
Luminous flux luminaire
224 lm

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
- 09.3830.06A*
- 09.3830.14A
- 09.3830.CZA
- 09.3830.18A

**Casambi integrated
- 09.3930.40A
- 09.3930.06A*
- 09.3930.14A
- 09.3930.CZA
- 09.3930.18A



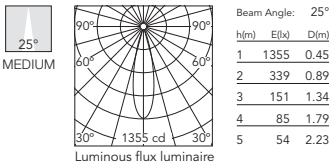
Luminous flux luminaire
247 lm

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
- 09.3833.06A*
- 09.3833.14A
- 09.3833.CZA
- 09.3833.18A

**Casambi integrated
- 09.3933.40A
- 09.3933.06A*
- 09.3933.14A
- 09.3933.CZA
- 09.3933.18A



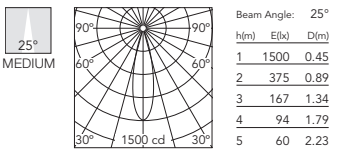
Luminous flux luminaire
261 lm

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
- 09.3832.06A*
- 09.3832.14A
- 09.3832.CZA
- 09.3832.18A

**Casambi integrated
- 09.3932.40A
- 09.3932.06A*
- 09.3932.14A
- 09.3932.CZA
- 09.3932.18A



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

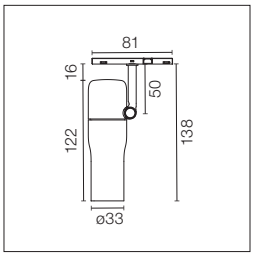
* For chrome finishes their power is 4.7W / Para el decorado cromo la potencia es 4.7W.

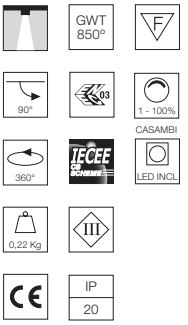
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

Atom 120 Designed By Piero Lissoni

Light Source: Power LED 8W* - 635 lm - 2700K/CRI 90 / 8W* - 680 lm - 3000K/CRI 90







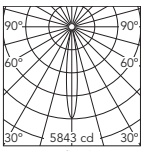
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3841.40A
- 09.3841.06A*
- 09.3841.14A
- 09.3841.CZA
- 09.3841.18A

**Casambi integrated
- 09.3941.40A
- 09.3941.06A*
- 09.3941.14A
- 09.3941.CZA
- 09.3941.18A

14° SPOT



Luminous flux luminaire 433 lm

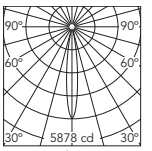
Beam Angle: 14°

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
- 09.3840.06A*
- 09.3840.14A
- 09.3840.CZA
- 09.3840.18A

**Casambi integrated
- 09.3940.40A
- 09.3940.06A*
- 09.3940.14A
- 09.3940.CZA
- 09.3940.18A

14° SPOT



Luminous flux luminaire 440 lm

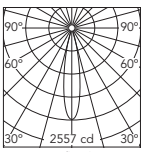
Beam Angle: 14°

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
- 09.3843.06A*
- 09.3843.14A
- 09.3843.CZA
- 09.3843.18A

**Casambi integrated
- 09.3943.40A
- 09.3943.06A*
- 09.3943.14A
- 09.3943.CZA
- 09.3943.18A

20° MEDIUM



Luminous flux luminaire 364 lm

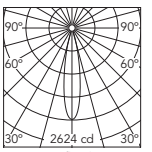
Beam Angle: 20°

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
- 09.3842.06A*
- 09.3842.14A
- 09.3842.CZA
- 09.3842.18A

**Casambi integrated
- 09.3942.40A
- 09.3942.06A*
- 09.3942.14A
- 09.3942.CZA
- 09.3942.18A

20° MEDIUM



Luminous flux luminaire 373 lm

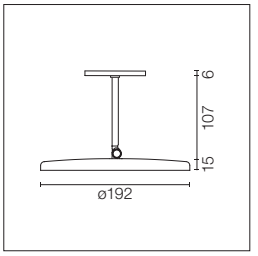
Beam Angle: 20°

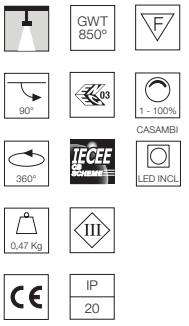
h(m)	E(lx)	D(m)
1	2624	0.35
2	656	0.70
3	292	1.06
4	164	1.41
5	105	1.76

Atom 200 Designed By Piero Lissoni

Light Source: Power LED 10,5W - 1050 lm - 2700K/CRI 90 / 10,5W - 1150 lm - 3000K/CRI 90







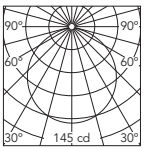
LED general lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Not suitable for vertical installations.

Módulo de iluminación LED general para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
No se puede instalar en carriles verticales.

2700K
- 09.3851.40
- 09.3851.06
- 09.3851.14
- 09.3851.CZ
- 09.3851.18

**Casambi integrated
- 09.3951.40
- 09.3951.06
- 09.3951.14
- 09.3951.CZ
- 09.3951.18

110°



Luminous flux luminaire 395 lm

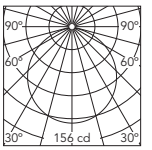
Beam Angle: 110°

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
- 09.3850.06
- 09.3850.14
- 09.3850.CZ
- 09.3850.18

**Casambi integrated
- 09.3950.40
- 09.3950.06
- 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

* For chrome finishes their power is 6W / Para el decorado cromo la potencia es 6W.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

Drivers / Equipos

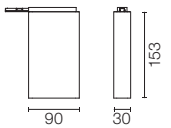
1-10V Broadcast / Non Dimmable

Surface Installation

Power supply surface end.
Dimmable through 1/10V protocol or Non Dimmable. Cannot be installed on wall tracks.
Dimming range 20-100%.

Fuente de alimentación inicial para instalación en superficie.
Dimable mediante protocolo 1/10V o No Dimable. No se puede instalar en carriles en pared.
Rango de regulación 20-100%.



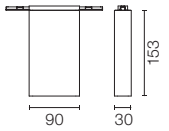


57W - 220/240V
06.2510.40
06.2510.06
06.2510.14
06.2510.CZ
06.2510.18

Power supply surface middle.
Dimmable through 1/10V protocol or Non Dimmable. Cannot be installed on wall tracks.
Dimming range 20-100%.

Fuente de alimentación intermedia para instalación en superficie.
Dimable mediante protocolo 1/10V o No Dimable. No se puede instalar en carriles en pared.
Rango de regulación 20-100%.





57W - 220/240V
06.2511.40
06.2511.06
06.2511.14
06.2511.CZ
06.2511.18

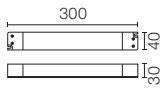
Non Dimmable

Remote Installation

Remote power supply.
Non Dimmable. 220/240V.

Fuente de alimentación remota.
No Dimable. 220/240V.





120W - 220/240V
60.9516

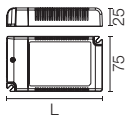
1-10V Broadcast / Non Dimmable

Remote Installation

Remote power supply. Dimmable through 1/10V protocol or Non Dimmable.
Dimming range 20-100%.

Fuente de alimentación remota.
Dimable mediante protocolo 1/10V o No Dimable.
Rango de regulación 20-100%.



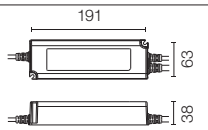


25W - 110/240V – L:110
60.9359
36W-110V / 45W-240V – L:120
60.9360
57W - 220/240V – L:130
60.9361

Remote power supply. Dimmable through 1/10V protocol or Non Dimmable.
Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota.
Dimable mediante protocolo 1/10V o No Dimable.
Rango de regulación 10-100%.
Carga mínima 20W





120W - 110*/240V
60.9681

*UL max 100W

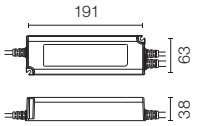
DALI

Remote Installation

Remote power supply. Dimmable through DALI 2 protocol.
Dimming range 10-100%.
Minimum load 20W

Fuente de alimentación remota.
Dimable mediante protocolo DALI 2.
Rango de regulación 10-100%.
Carga mínima 20W





120W - 110*/240V
60.9682

*UL max 100W

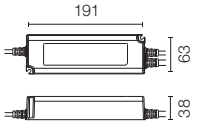
Casambi

Remote Installation

Remote power supply. Dimmable through Casambi protocol. 24V.
Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota.
Dimable mediante protocolo Casambi. 24V. Rango de regulación 10-100%. Carga mínima 20W





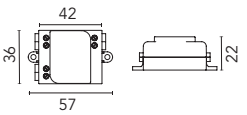
120W - 110*/240V
60.9683

*UL max 100W

Casambi controller 220-240V.
Requires 1-10V or Dali driver. It must be ordered separately. Use only with 60.9359-60.9360-60.9361
Dimming range 20-100%.

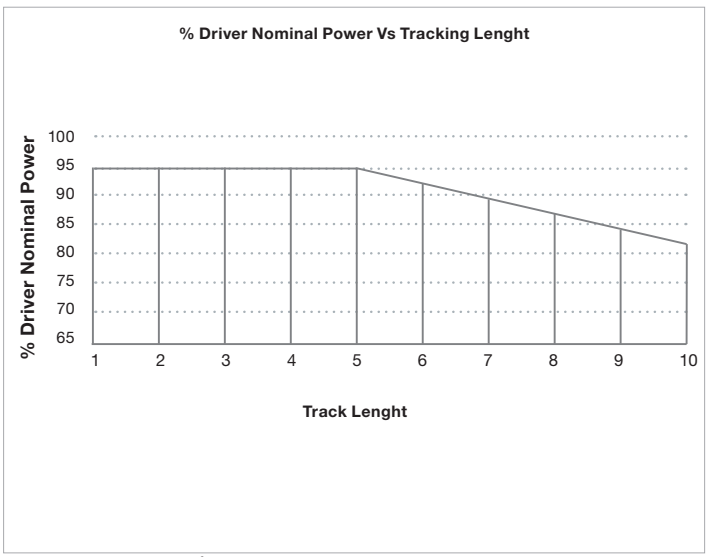
Controlador Casambi 220-240V.
Requiere driver 1-10V o Dali, pedir por separado. Usar sólo con 60.9359-60.9360-60.9361 Rango de regulación 20-100%.





60.9392

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

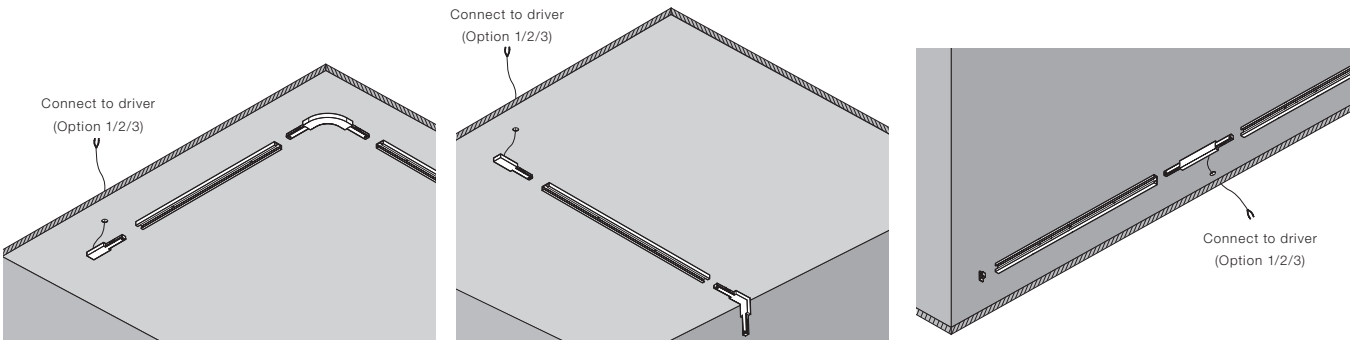


Example:
Ref. 60.9361: 57W / 4 m track
57W x 0,95 = 54,15W available

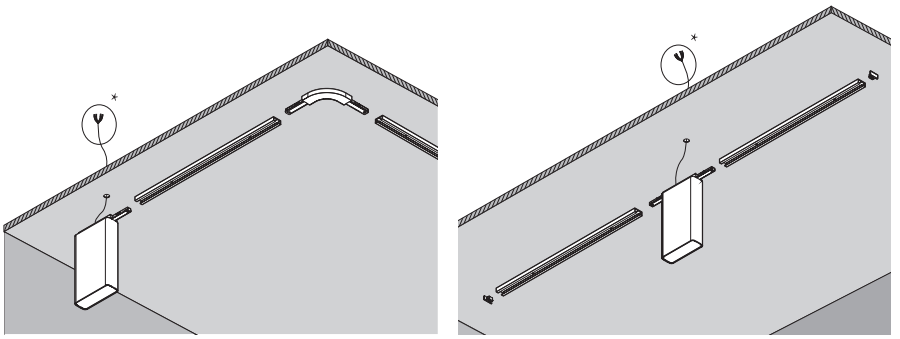
	W luminary	Nº luminaries	W luminaries
Find Me 0	3,5	3	10,5
Find Me 1	5,5	0	0
Find Me 2	10,5	0	0
Atom 90	5,5	3	16,5
Atom 120	8	2	16
Atom 200	10,5	1	10,5
	Total system power: 53,5W		

Maximum cable lenght: (driver to track): 5 m . **Cable section:** 2x1,5 mm² . **Maximum track lenght:** 10 m . **Maximum power:** 120W

Remote Driver Installations - Broadcast



Surface Driver Installations - Broadcast



Individual Control Casambi Bluetooth



THE MICRO RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles ■ 14 Black
14 Negro

Surface Profiles □ 40 White
40 Blanco

■ 14 Black
14 Negro

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



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

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

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 360°.
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: 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.

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

Descripción
Innovador programa de estructuras ultra miniaturizadas en versión empotrada y de superficie. Compatible con una amplia gama de soluciones de iluminación profesional mediante fijación magnética. The Micro Running Magnet es la solución definitiva para la iluminación de exposiciones. Un programa completo y profesional que además de dimensiones reducidas proporciona una luz equilibrada y atractiva para resaltar cada objeto de la mejor manera en 360°.
La quinta esencia de la luz integrada, obtenida gracias a un perfil de solo 5 mm que permite la integración total de micro dispositivos diseñados para combinarse con la estructura hasta casi desaparecer.
El increíble tamaño reducido del perfil que caracteriza el programa realza la flexibilidad de la luz y su relación con la arquitectura.
La instalación de los cuerpos iluminantes se realiza mediante un soporte magnético dentro del perfil para una facilidad de uso sin igual.
Fijación magnética de las luminarias, lo que permite su manipulación en caliente. Los cuerpos iluminantes se pueden orientar estando encendidos, consiguiendo así una gran flexibilidad y adaptabilidad de la configuración en cualquier momento.
Todos los perfiles estructurales de Micro Running Magnet han sido fabricados con perfilería de aluminio extruido en blanco y negro, provisto de pistas eléctricas alimentadas a 24V, sobre las cuales se instalan mediante un sistema de fijación magnética las luminarias LED.
Gama completa de micro proyectores disponibles en varias potencias y tamaños. Todos incluyen micro lentes profesionales estabilizadas en acrílico para un control máximo de los efectos de iluminación.

Control
- DALI: control broadcast, todas las luminarias a la vez.
- 1/10V: control remoto en broadcasting (dimado de todas las luminarias en grupo).
- Casambi: control broadcast a través de una aplicación para tablet o smartphone (FLOS Control®).
Necesaria app para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico
Los módulos de luz de acento se encuentran disponibles con óptica intensiva (spot lens) y con ópticas extensivas (medium, flood y wide flood).
Módulos de iluminación lineal de entre 300mm y hasta 1200mm en versiones de luz directa para iluminación general y bañador de pared.

Unidades de Alimentación
Fuente de alimentación remota de 24V no incluida.

Información Adicional
The Micro Running Magnet es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 5A y 120W para evitar sobrecargas. Cada vez que completemos los 120W deberemos realizar nuevamente la conexión mediante un perfil de alimentación.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.
Se recomienda su instalación en superficies de cartón yeso de 12,5mm de espesor para la versión Recessed. Deben utilizarse drivers regulables con tensión de salida PWM en frecuencias de entre 250 y 500 Hz.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

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 / 2,5 / 3 m

SURFACE/SUSPENSION DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector



Intermediate connector



Straight

End cap



90° Corner



Electrical / Mechanical joint

Inner corner



Electrical / Mechanical joint

Feed connector



Intermediate connector



Straight

End cap



90° Corner



Electrical / Mechanical

Inner corner



Electrical / Mechanical

3 SELECT POWER SUPPLY

Recessed installation
Remote power supply



or



25W / 45W / 57W

120W

1/10V or Non Dimmable

(select the driver with the appropriate power according to the needs of your project)



120W

Dali broadcast



+

or



120W



25W / 45W / 57W

Casambi broadcast

(select the driver with the appropriate power according to the needs of your project)

Recessed installation
Remote power supply



or



25W / 45W / 57W

120W

1/10V or Non Dimmable

(select the driver with the appropriate power according to the needs of your project)



120W

Dali broadcast



+

or



120W



25W / 45W / 57W

Casambi broadcast

(select the driver with the appropriate power according to the needs of your project)

4 SELECT A LIGHT MODULE

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



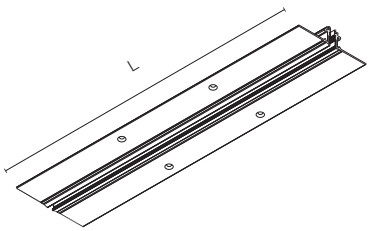
S/M/F/WF

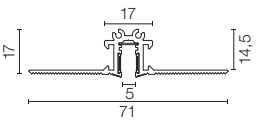
Profiles

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).

Perfiles

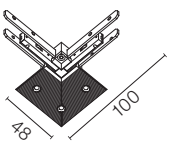
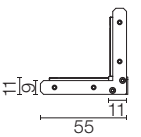
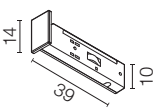
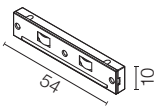
Perfil electro-mecánico de dimensiones mínimas para instalaciones empotradas en techos/paredes de cartón yeso con longitudes de 1 m a 3 m.
Accesorios de fijación incluidos en los perfiles.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).





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

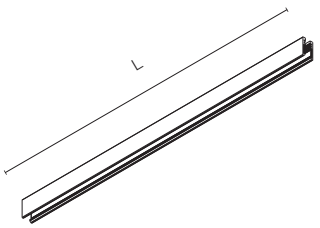
90° Corner. Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.	Esquina 90°. Conexión eléctrica/mecánica. No alimentable. No se pueden ubicar luminarias en las esquinas.			06.6030.14
Inner corner. Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.	Esquina interior. Conexión eléctrica/mecánica. No alimentable. No se pueden ubicar luminarias en las esquinas.			06.6032.14
Feed connector. 2m cable included. Electrical connection. Luminaires cannot be located in the connector.	Conector de alimentación. Cable de 2m incluido. Conexión eléctrica. No se pueden ubicar luminarias en el conector.			06.6034.14
Intermediate connector. Electrical connection. Luminaires cannot be located in the connector.	Conector intermedio. Conexión eléctrica. No se pueden ubicar luminarias en el conector.			06.6035.14
End cap. 1 unit kit.	Tapa. Kit de 1 unidad.			06.6036.14

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.

Perfiles

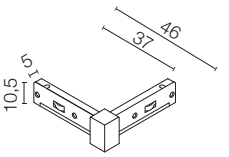
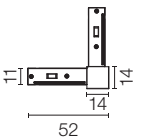
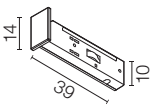
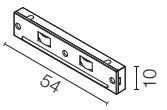
Perfil electro-mecánico de dimensiones mínimas para instalaciones en superficie (techo o pared) con longitudes de 1 m a 3 m.
Accesorios de fijación incluidos en los perfiles.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).
La parte interior del perfil se suministra siempre en negro.



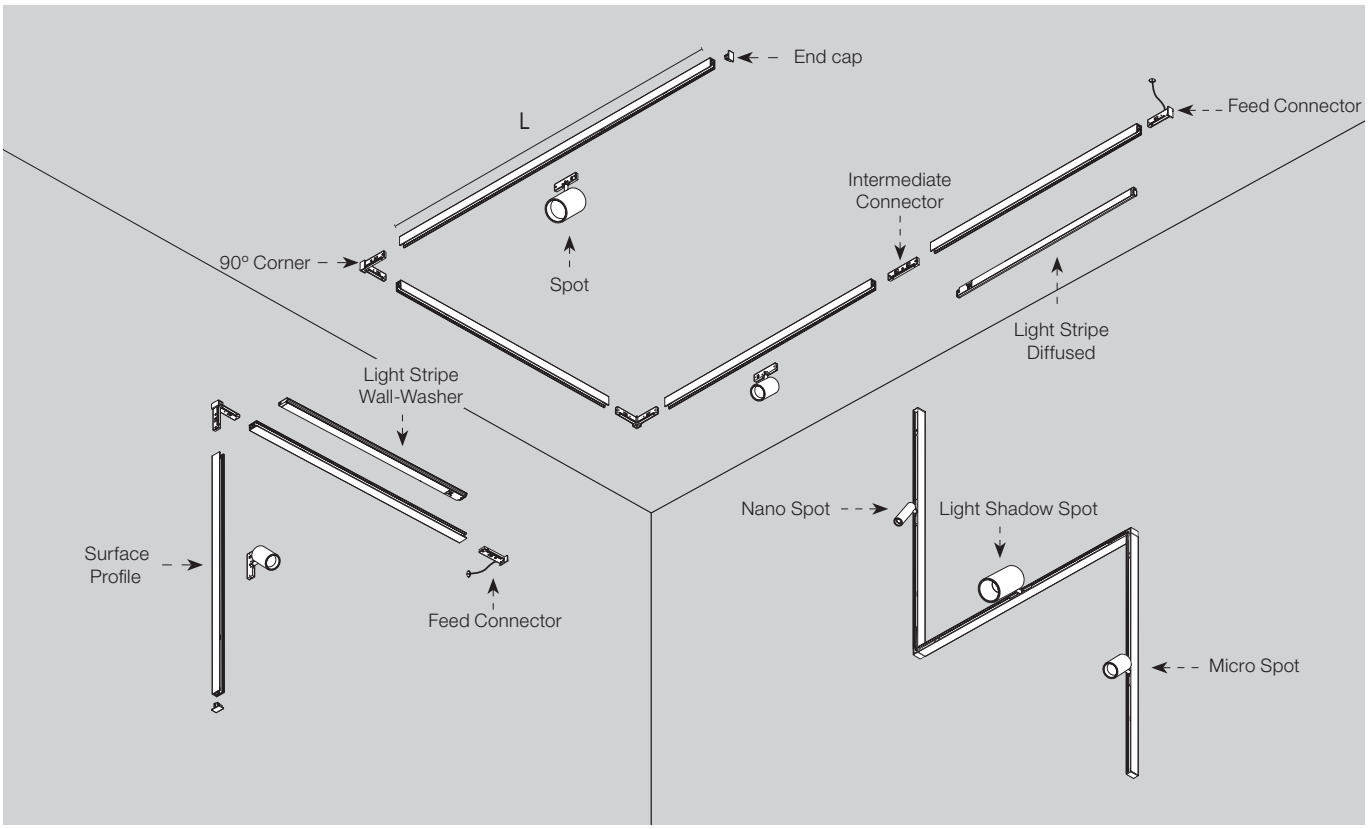


L: 1 m / 1,5 m / 2m / 2,5m / 3 m

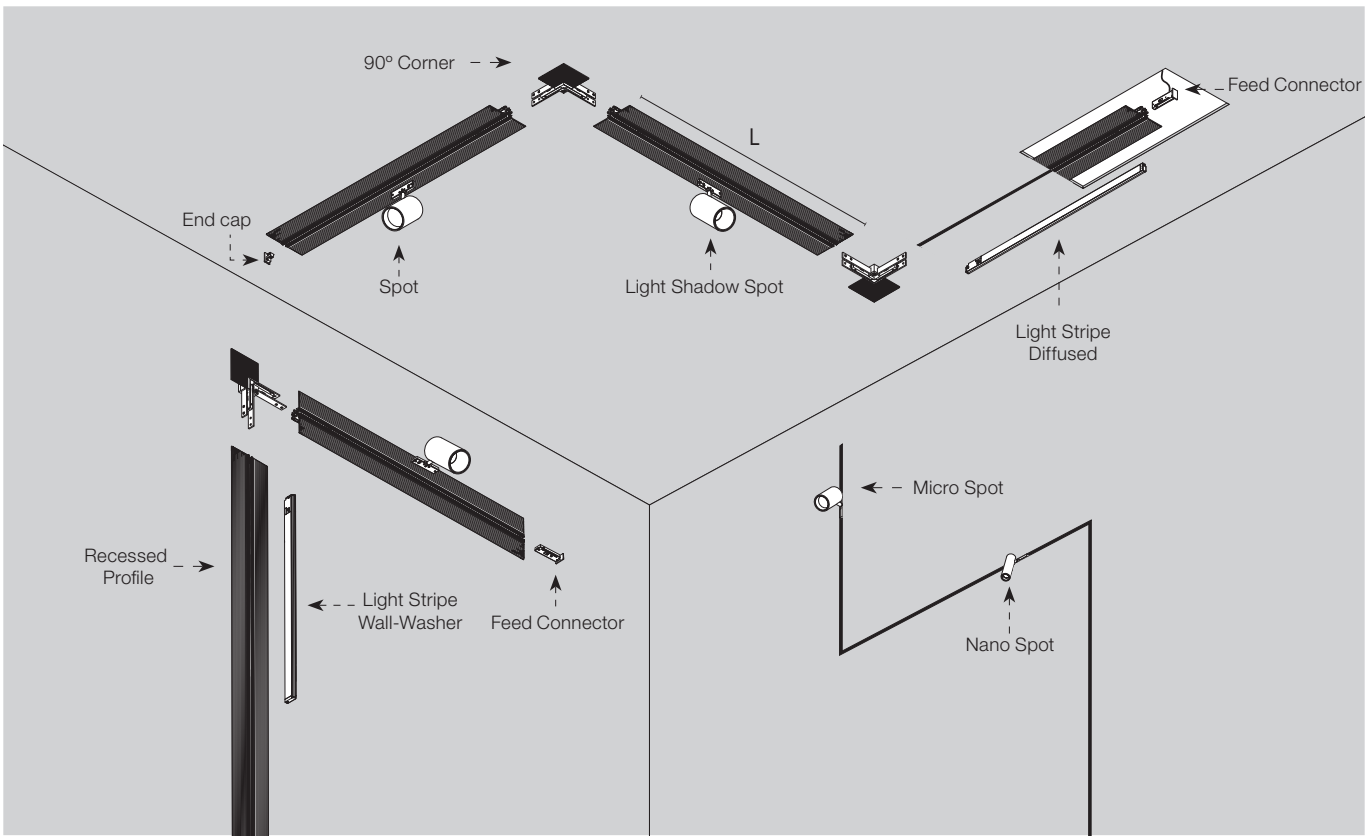
L: 1000 mm
06.6010.40
06.6010.14
L: 1500 mm
06.6011.40
06.6011.14
L: 2000 mm
06.6012.40
06.6012.14
L: 2500 mm
06.6013.40
06.6013.14
L: 3000 mm
06.6014.40
06.6014.14

90° Corner. Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.	Esquina 90°. Conexión eléctrica/mecánica. No alimentable. No se pueden ubicar luminarias en las esquinas.			06.6031.40 06.6031.14
Inner corner. Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.	Esquina interior. Conexión eléctrica/mecánica. No alimentable. No se pueden ubicar luminarias en las esquinas.			06.6033.40 06.6033.14
Feed connector. 2m cable included. Electrical connection. Luminaires cannot be located in the connector.	Conector de alimentación. Cable de 2m incluido. Conexión eléctrica. No se pueden ubicar luminarias en el conector.			06.6034.40 06.6034.14
Intermediate connector. Electrical connection. Luminaires cannot be located in the connector.	Conector intermedio. Conexión eléctrica. No se pueden ubicar luminarias en el conector.			06.6035.14
End cap. 1 unit kit.	Tapa. Kit de 1 unidad.			06.6036.40 06.6036.14

SURFACE INSTALLATION

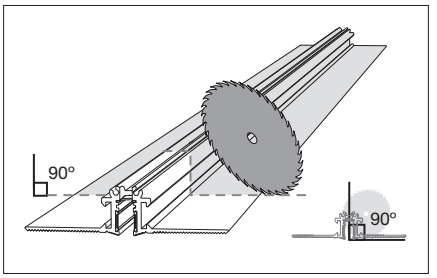


RECESSED INSTALLATION



• Can I cut the profiles?
Yes. The profiles can be cut at any point and the electrical connection continued using the intermediate connector.

• ¿Puedo cortar los perfiles?
Sí, los perfiles se pueden cortar en cualquier punto y se continúa la conexión eléctrica con el conector intermedio.



• 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.

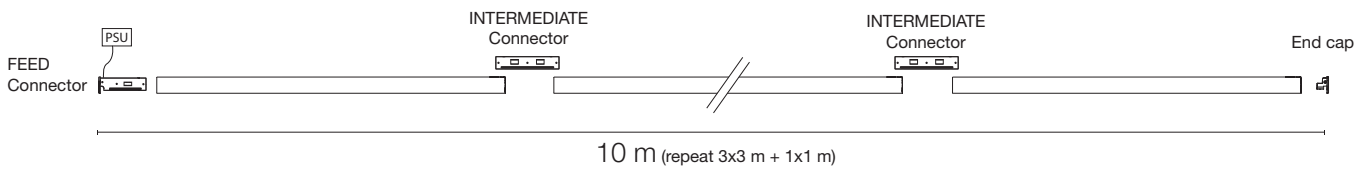
• ¿Puedo ubicar un foco en las esquinas o entre dos perfiles?
No, las piezas de las esquinas no tienen hueco libre para albergar las luminarias, la esquina y las uniones entre perfiles contienen las conexiones eléctricas a modo de conectores intermedios.

• Can I dim the luminaires individually?
No. By using the recommended equipment, they can be adjusted, but all at once.

• ¿Puedo atenuar la luz de las luminarias individualmente?
No, utilizando los equipos recomendados es posible regular, pero siempre se regularán todas las luminarias a la vez.

• 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.

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?
La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es de 10 metros.



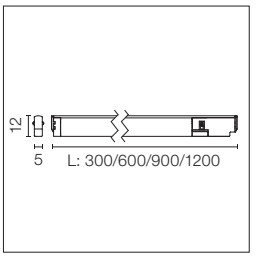
• Can I power a structure from a corner or intermediate connector?
No. The corners and intermediate connector of this system cannot be powered.

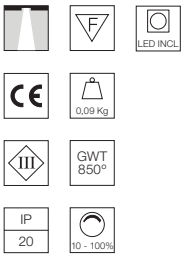
• ¿Puedo alimentar una estructura desde una esquina o conector intermedio?
No, las esquinas y el conector intermedio de este sistema no son alimentables.

Light Stripe Diffused

Light Source: 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



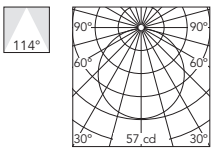




Diffused LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

2700K
L: 300 mm - 4,5W
03.2260.14

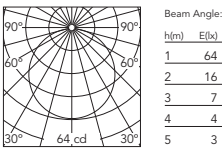


Luminous flux luminaire
205 lm

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

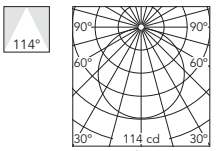


Luminous flux luminaire
230 lm

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

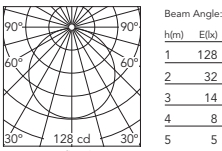


Luminous flux luminaire
411 lm

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

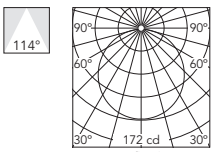


Luminous flux luminaire
460 lm

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

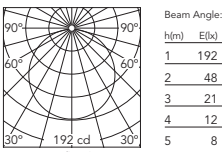


Luminous flux luminaire
616 lm

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

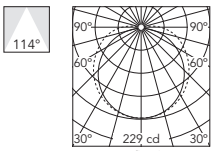


Luminous flux luminaire
689 lm

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

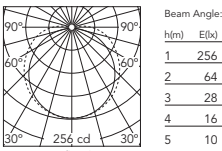


Luminous flux luminaire
821 lm

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

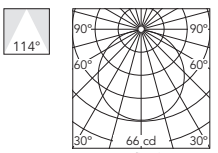


Luminous flux luminaire
919 lm

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

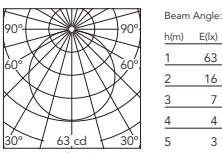


Luminous flux luminaire
237 lm

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

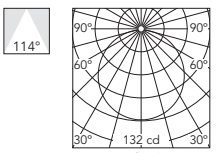


Luminous flux luminaire
226 lm

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

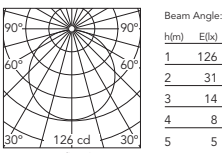


Luminous flux luminaire
473 lm

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

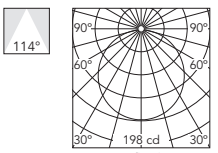


Luminous flux luminaire
452 lm

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

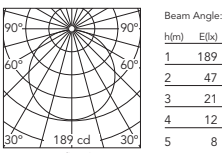


Luminous flux luminaire
710 lm

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

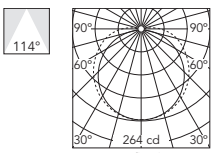


Luminous flux luminaire
678 lm

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

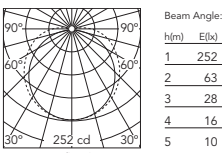


Luminous flux luminaire
947 lm

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

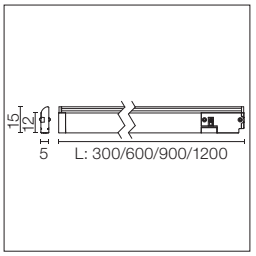
Beam Angle: 114°

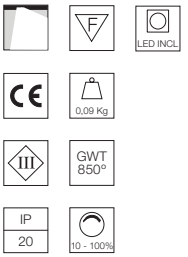
h(m)	E(lx)	D(m)
1	252	3.11
2	63	6.21
3	28	9.32
4	16	12.43
5	10	15.53

Light Stripe Wall-Washer

Light Source: 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



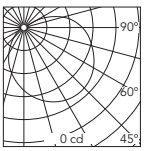




Asymmetric wall-washer LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

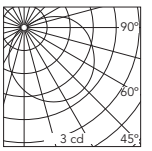
Módulo de iluminación LED de luz asimétrica wall-washer para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

2700K
L: 300 mm - 4,5W
03.2280.14



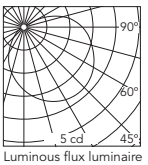
Luminous flux luminaire
185 lm

3000K
L: 300 mm - 4,5W
03.2281.14



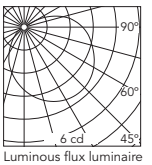
Luminous flux luminaire
207 lm

2700K
L: 600 mm - 9W
03.2284.14



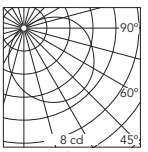
Luminous flux luminaire
370 lm

3000K
L: 600 mm - 9W
03.2285.14



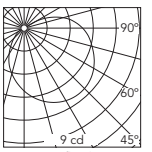
Luminous flux luminaire
414 lm

2700K
L: 900 mm - 13,5W
03.2288.14



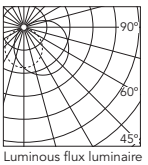
Luminous flux luminaire
555 lm

3000K
L: 900 mm - 13,5W
03.2289.14



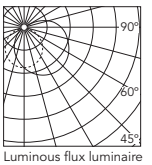
Luminous flux luminaire
621 lm

2700K
L: 1200 mm - 18W
03.2292.14



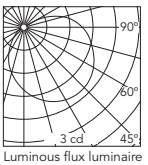
Luminous flux luminaire
740 lm

3000K
L: 1200 mm - 18W
03.2293.14



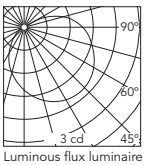
Luminous flux luminaire
829 lm

4000K
L: 300 mm - 4,5W
03.2282.14



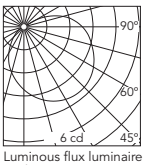
Luminous flux luminaire
213 lm

5000K
L: 300 mm - 4,5W
03.2283.14



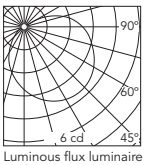
Luminous flux luminaire
204 lm

4000K
L: 600 mm - 9W
03.2286.14



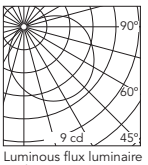
Luminous flux luminaire
427 lm

5000K
L: 600 mm - 9W
03.2287.14



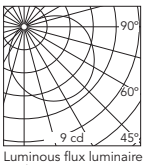
Luminous flux luminaire
408 lm

4000K
L: 900 mm - 13,5W
03.2290.14



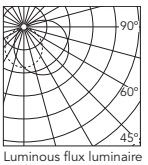
Luminous flux luminaire
640 lm

5000K
L: 900 mm - 13,5W
03.2291.14



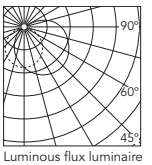
Luminous flux luminaire
611 lm

4000K
L: 1200 mm - 18W
03.2294.14



Luminous flux luminaire
853 lm

5000K
L: 1200 mm - 18W
03.2295.14

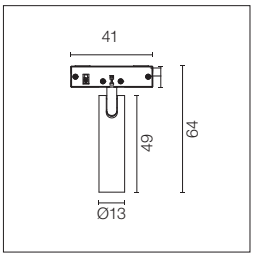


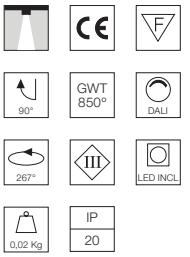
Luminous flux luminaire
815 lm

Nano Spot

Light Source: 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







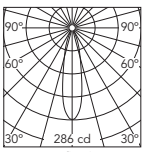
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Optic Medium

2700K
- 03.2210.40A
- 03.2210.14A

23° MEDIUM

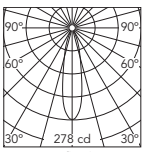


Luminous flux luminaire 73 lm

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

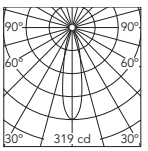


Luminous flux luminaire 70 lm

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

28° MEDIUM

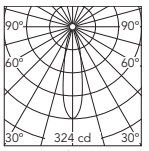


Luminous flux luminaire 81 lm

Beam Angle:	28°
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



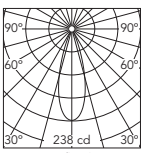
Luminous flux luminaire 82 lm

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

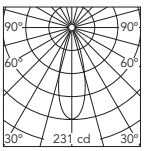


Luminous flux luminaire 77 lm

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

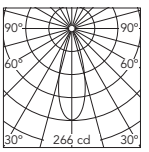


Luminous flux luminaire 75 lm

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

31° FLOOD

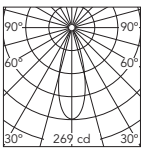


Luminous flux luminaire 86 lm

Beam Angle:	31°
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



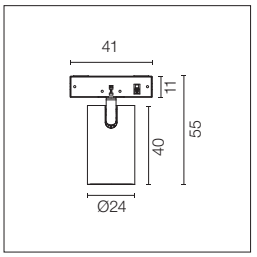
Luminous flux luminaire 87 lm

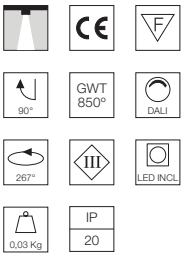
Beam Angle:	32°
h(m)	E(lx)	D(m)
1	269	0.57
2	67	1.15
3	30	1.72
4	17	2.29
5	11	2.87

Micro Spot

Light Source: 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







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.

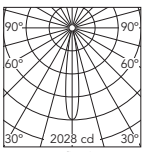
Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Accesorio honeycomb disponible. Se ha de pedir por separadao.

Optic Spot

2700K
- 03.2300.40A
- 03.2300.14A

16° SPOT



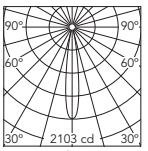
Luminous flux luminaire 216 lm

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



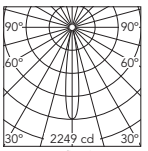
Luminous flux luminaire 224 lm

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



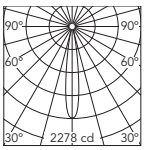
Luminous flux luminaire 240 lm

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

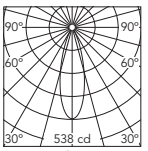
Beam Angle: 16°

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



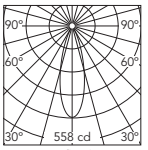
Luminous flux luminaire 183 lm

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



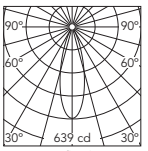
Luminous flux luminaire 189 lm

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



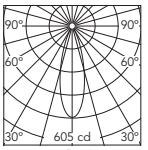
Luminous flux luminaire 217 lm

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

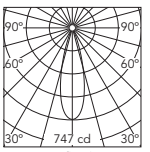
Beam Angle: 31°

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



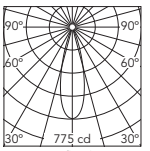
Luminous flux luminaire 200 lm

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



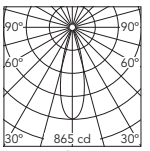
Luminous flux luminaire 207 lm

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



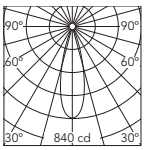
Luminous flux luminaire 231 lm

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

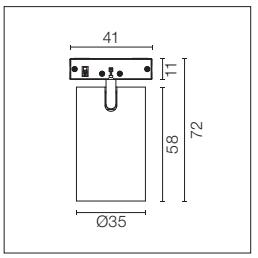
Beam Angle: 28°

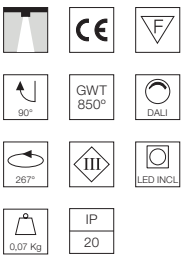
h(m)	E(lx)	D(m)
1	840	0.51
2	210	1.02
3	93	1.54
4	52	2.05
5	34	2.56

Spot

Light Source: 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







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

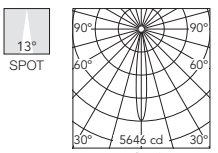
Honeycomb accessory available. Must be ordered separately.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Accesorio honeycomb disponible. Se ha de pedir por separadao.

Optic Spot

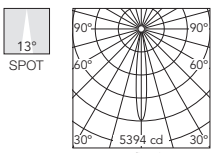
2700K
- 03.2230.40A
- 03.2230.14A



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

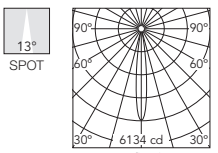
3000K
- 03.2231.40A
- 03.2231.14A



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

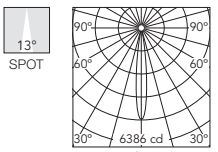
4000K
- 03.2232.40A
- 03.2232.14A



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

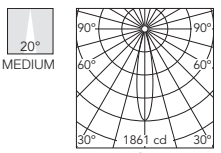


Luminous flux luminaire 384 lm

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

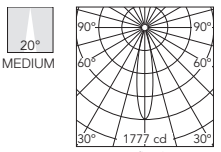
2700K
- 03.2235.40A
- 03.2235.14A



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

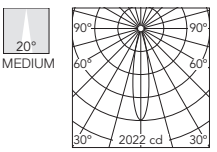
3000K
- 03.2236.40A
- 03.2236.14A



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

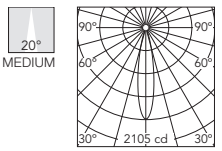
4000K
- 03.2237.40A
- 03.2237.14A



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



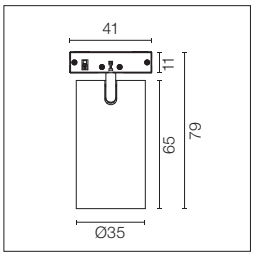
Luminous flux luminaire 356 lm

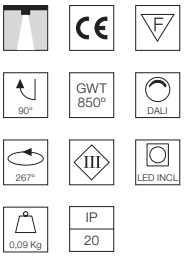
Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2105	0.35
2	526	0.71
3	234	1.06
4	132	1.41
5	84	1.77

Light Shadow Spot

Light Source: 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







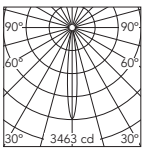
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Optic Spot

2700K
- 03.2240.40
- 03.2240.14

12° SPOT

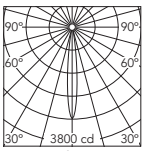


Beam Angle:	12°
h(m)	E(lx) D(m)
1	3463 0.21
2	866 0.42
3	385 0.63
4	216 0.84
5	139 1.05

Luminous flux luminaire 203 lm

3000K
- 03.2241.40
- 03.2241.14

12° SPOT

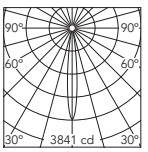


Beam Angle:	12°
h(m)	E(lx) D(m)
1	3800 0.21
2	950 0.42
3	422 0.63
4	237 0.84
5	152 1.05

Luminous flux luminaire 223 lm

4000K
- 03.2242.40
- 03.2242.14

12° SPOT

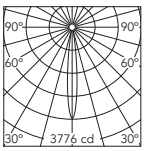


Beam Angle:	12°
h(m)	E(lx) D(m)
1	3841 0.21
2	960 0.42
3	427 0.63
4	240 0.84
5	154 1.05

Luminous flux luminaire 225 lm

5000K
- 03.2243.40
- 03.2243.14

12° SPOT



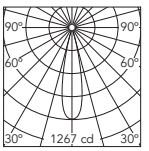
Beam Angle:	12°
h(m)	E(lx) D(m)
1	3776 0.21
2	944 0.42
3	420 0.63
4	236 0.84
5	151 1.05

Luminous flux luminaire 221 lm

Optic Medium

2700K
- 03.2245.40
- 03.2245.14

23° MEDIUM

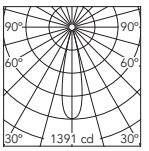


Beam Angle:	23°
h(m)	E(lx) D(m)
1	1267 0.40
2	317 0.80
3	141 1.20
4	79 1.60
5	51 2.00

Luminous flux luminaire 191 lm

3000K
- 03.2246.40
- 03.2246.14

23° MEDIUM

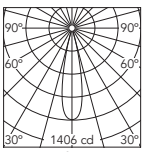


Beam Angle:	23°
h(m)	E(lx) D(m)
1	1391 0.40
2	348 0.80
3	155 1.20
4	87 1.60
5	56 2.00

Luminous flux luminaire 210 lm

4000K
- 03.2247.40
- 03.2247.14

23° MEDIUM

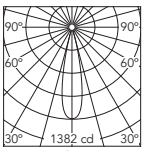


Beam Angle:	23°
h(m)	E(lx) D(m)
1	1406 0.40
2	351 0.80
3	156 1.20
4	88 1.60
5	56 2.00

Luminous flux luminaire 212 lm

5000K
- 03.2248.40
- 03.2248.14

23° MEDIUM



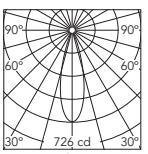
Beam Angle:	23°
h(m)	E(lx) D(m)
1	1382 0.40
2	345 0.80
3	154 1.20
4	86 1.60
5	55 2.00

Luminous flux luminaire 209 lm

Optic Flood

2700K
- 03.2250.40
- 03.2250.14

29° FLOOD

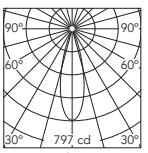


Beam Angle:	29°
h(m)	E(lx) D(m)
1	726 0.51
2	182 1.03
3	81 1.54
4	45 2.05
5	29 2.57

Luminous flux luminaire 186 lm

3000K
- 03.2251.40
- 03.2251.14

29° FLOOD

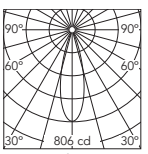


Beam Angle:	29°
h(m)	E(lx) D(m)
1	797 0.51
2	199 1.03
3	89 1.54
4	50 2.05
5	32 2.57

Luminous flux luminaire 204 lm

4000K
- 03.2252.40
- 03.2252.14

29° FLOOD

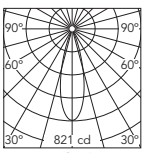


Beam Angle:	29°
h(m)	E(lx) D(m)
1	806 0.51
2	201 1.03
3	90 1.54
4	50 2.05
5	32 2.57

Luminous flux luminaire 206 lm

5000K
- 03.2253.40
- 03.2253.14

29° FLOOD



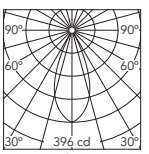
Beam Angle:	29°
h(m)	E(lx) D(m)
1	821 0.51
2	205 1.03
3	91 1.54
4	51 2.05
5	33 2.57

Luminous flux luminaire 210 lm

Optic Wide Flood

2700K
- 03.2255.40
- 03.2255.14

42° WIDE FLOOD

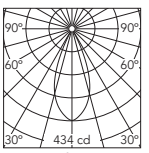


Beam Angle:	42°
h(m)	E(lx) D(m)
1	396 0.77
2	99 1.53
3	44 2.30
4	25 3.07
5	16 3.83

Luminous flux luminaire 175 lm

3000K
- 03.2256.40
- 03.2256.14

42° WIDE FLOOD

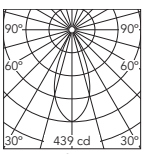


Beam Angle:	42°
h(m)	E(lx) D(m)
1	434 0.77
2	108 1.53
3	48 2.30
4	27 3.07
5	17 3.83

Luminous flux luminaire 192 lm

4000K
- 03.2257.40
- 03.2257.14

42° WIDE FLOOD

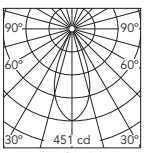


Beam Angle:	42°
h(m)	E(lx) D(m)
1	439 0.77
2	110 1.53
3	49 2.30
4	27 3.07
5	18 3.83

Luminous flux luminaire 194 lm

5000K
- 03.2258.40
- 03.2258.14

42° WIDE FLOOD



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

Luminous flux luminaire 200 lm

Accessories / Accesorios

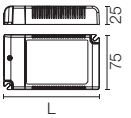
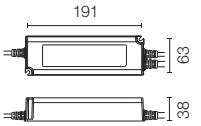
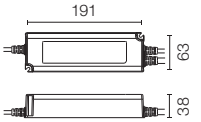
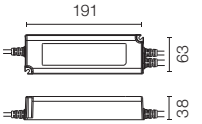
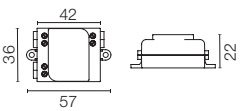
Micro Spot

Honeycomb.	Honeycomb.		08.0190.14

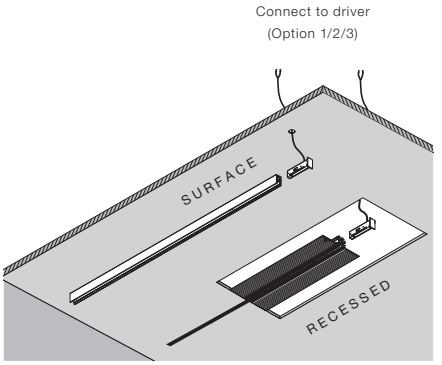
Spot

Honeycomb.	Honeycomb.		08.0191.14

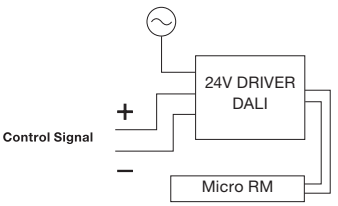
Drivers / Equipos

Remote Installation 24V remote power supply. Dimmable through 1/10V protocol or Non Dimmable. Dimming range 20-100%.	Fuente de alimentación remota 24V. Dimable mediante protocolo 1/10V o No Dimable. Rango de regulación 20-100%.			25W 110/240V – L:110 60.9359 36W-110V / 45W-240V – L:120 60.9360 57W 220/240V – L:130 60.9361
Remote Installation 24V remote power supply. Dimmable through 0/1-10V protocol. Dimming range 10-100%. Minimum load 20W.	Fuente de alimentación remota 24V. Dimable mediante protocolo 0/1-10V. Rango de regulación 10-100%. Carga mínima 20W.			120W 110*/240V 60.9681 *UL max 100W
DALI Remote Installation 24V remote power supply. Dimmable through DALI2 protocol. Dimming range 10-100%. Minimum load 20W.	Fuente de alimentación remota 24V. Dimable mediante protocolo DALI2. Rango de regulación 10-100%. Carga mínima 20W.			120W 110*/240V 60.9682 *UL max 100W
Casambi Remote Installation 24V remote power supply. Dimmable through Casambi protocol. Dimming range 10-100%. Minimum load 20W.	Fuente de alimentación remota. Dimable mediante protocolo Casambi. Rango de regulación 10-100%. Carga mínima 20W.			120W - 110*/240V 60.9683 *UL max 100W
Casambi Remote Installation Casambi controller 220-240V. Requires 24V, 1-10V or Dali driver. It must be ordered separately. Use only with 60.9359, 60.9360 or 60.9361. Dimming range 20-100%.	Controlador Casambi 220-240V. Requiere driver 24V, 1-10V o Dali, pedir por separado. Usar sólo con 60.9359, 60.9360 o 60.9361. Rango de regulación 20-100%.			60.9392

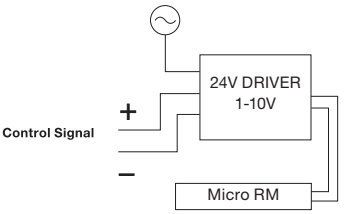
Remote Driver Installations - Broadcast



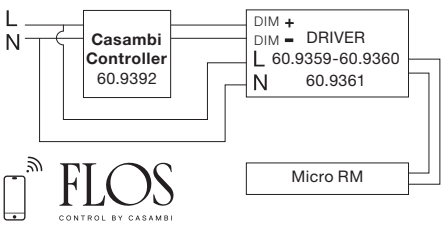
Driver Option 1
(DALI)



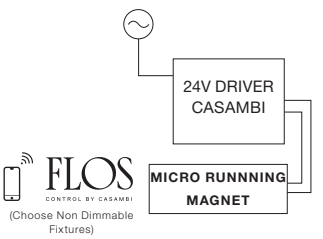
Driver Option 2
(1-10V)



Driver Option 3
Casambi Interface (Broadcast)



Driver Option 4
CASAMBI

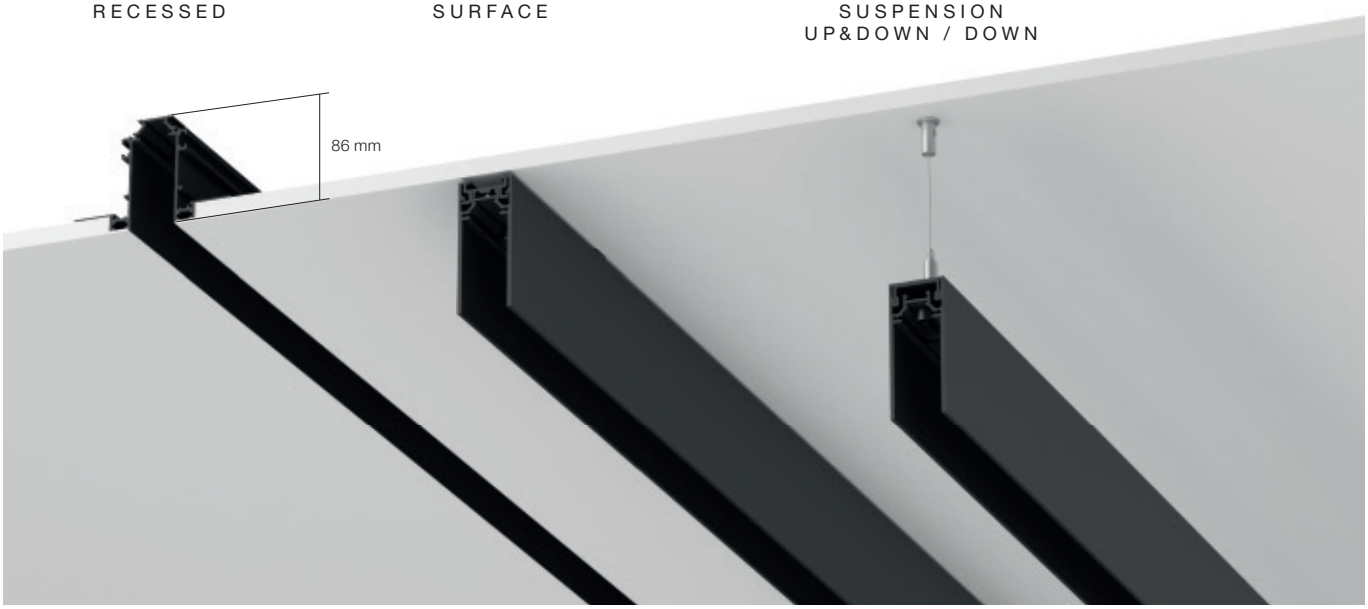


(Choose Non Dimmable Fixtures)

THE RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

RECESSED SURFACE SUSPENSION UP&DOWN / DOWN



Recessed Profiles ■ 14 Black 14 Negro

Surface/Suspension Profiles □ 40 White 40 Blanco ■ 14 Black 14 Negro

LIGHT MODULES

LIGHT STRIPE



LIGHT SOURCE
TOP LED
25W/m
2060 lm/m
2700K/CRI 90
2178 lm/m
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
985 lm
2700K/CRI 90
1060 lm
3000K/CRI 90

MULTI SPOT 4



LIGHT SOURCE
POWER LED
10W
4x226 lm
2700K/CRI 90
4x240 lm
3000K/CRI 90

LIGHT SHADOW



LIGHT SOURCE
POWER LED
10,8W
4x270 lm
2700K/CRI 90
4x285 lm
3000K/CRI 90

LIGHT SHADOW W-W



LIGHT SOURCE
POWER LED
10,8W
4x270 lm
2700K/CRI 90
4x285 lm
3000K/CRI 90

STRING LIGHT



LIGHT SOURCE
POWER LED
16W
1310 lm
2700K/CRI 90
1404 lm
3000K/CRI 90

MINI GLO-BALL



LIGHT SOURCE
POWER LED
3,5/7W
2700K/CRI 80
3000K/CRI 80

FIND ME SUSPENSION



LIGHT SOURCE
POWER LED
8W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

ANTHONY SPOT TRACK



LIGHT SOURCE
POWER LED
16W
1310 lm
2700K/CRI 90
1404 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

Light Stripe

Spot

Surface

Suspension

Recessed Flos Kit Installation

Recessed Conventional Installation

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).

Optic system
The accent light module is available with intensive optics (spot lens) and extensive optics (narrow and wide narrow lens).

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.

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.

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

Descripción
Innovador sistema de iluminación para interior en versiones superficie, suspendida o empotrada en pared/techo de cartón yeso. Compuesto por perfilería magnética donde se posicionan, mediante sistema de fijación magnética, módulos de iluminación.
Todos los perfiles estructurales de Running Magnet han sido fabricados con perfilería de aluminio extruido en blanco y negro, provisto de pistas elécticas de grafito alimentadas a 24V, sobre las cuales se instalan mediante un sistema de fijación magnética las luminarias LED.
La versión suspendida también está disponible para luz indirecta.
La familia The Running Magnet se completa con módulos de iluminación ambiental y de acento con diferentes ópticas además de una selección de luminarias decorativas extraídas y adaptadas de FLOS Home Collection.
Los módulos de iluminación incorporan un sistema de fijación magnética que permite una completa movilidad y flexibilidad. Todos los módulos de luz disponen de un potenciómetro instalado, regulación DALI o Casambi según se desee.

Control
- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.
Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico
El módulo de luz de acento se encuentra disponible con óptica intensiva (spot lens) y con ópticas extensivas (narrow y wide narrow lens).

Unidades de Alimentación
Fuente de alimentación remota de 24V no incluida.

Accesorios
- Diferentes lentes para Spot Module y Multi Spot 4.
- Aro exterior apantallador para Spot Module.
- Lente elíptica, flood y honeycomb para Anthony Spot track.
- Honeycomb y cruceta incluidos en Spot 120.

Información Adicional
Únicamente instalable en superficies de cartón yeso de 12,5mm de espesor para la versión Recessed.
The Running Magnet es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 8A y 185W para evitar sobrecargas.
Cada vez que completemos los 185W deberemos realizar nuevamente la conexión mediante un perfil de alimentación.
En la versión Up&Down la iluminación indirecta y el Perfil electro-mecánico tienen alimentaciones independientes.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

2 COMPLETE WITH MOUNTING ACCESSORIES

RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

End cap

Included with feed profile

90° Corner

Electrical / mechanical joint

Inner corner

Electrical / mechanical joint

Outer corner

Electrical / mechanical joint

Recessed installation

Accessories

Fixed ceiling kit

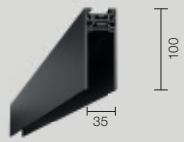


or

Adjustable ceiling kit



SURFACE/SUSPENSION DOWN PROFILE





L: 1 / 1,5 / 2 / 2,5 / 3 m

End cap

Included with feed profile

90° Corner

Electrical / mechanical joint

Inner corner

Electrical / mechanical joint

Surface installation

Accessories

Fixed ceiling kit

(Included)



Suspension Down installation

Suspension kit



Included with profile

Surface rose

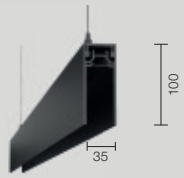


or

Recessed rose



SUSPENSION UP&DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

End cap

Included with feed profile

90° Corner

Electrical / mechanical joint

Suspension Up&Down installation

Accessories

Intermediate suspension kit



Included with profile

Surface rose



or

Recessed rose



THE RUNNING MAGNET

3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation

Remote power supply



60W 120W 200W

(select the driver with the appropriate power according to the needs of your project)

Surface installation

Remote power supply



60W 120W 200W

Non Dimmable / Dali / Spots Casambi

(select the driver with the appropriate power according to the needs of your project)

Suspension Down installation

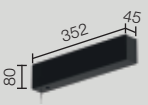
Remote power supply



60W 120W 200W

(select the driver with the appropriate power according to the needs of your project)

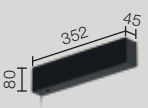
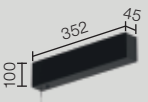
Surface power supply



185W

Non Dimmable / Dali / Spots Casambi

Suspension Up&Down installation

	Remote power supply		Surface power supply	
	Down instal.	**Up instal.**	**Down instal.**	**Up instal.**
Non Dim / Spots Casambi	 60W 120W 200W (select the driver with the appropriate power according to the needs of your project)		 185W	
Dali	 60W / 120W or  200W (select the driver with the appropriate power according to the needs of your project)	 60W / 120W (select the driver with the appropriate power according to the needs of your project) 	 185W	

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Non Dimmable / Dali / Casambi

Light Stripe



General lighting

Spot Module



S

Spot 120



S

Multi Spot 4



S/M

Light Shadow



S/M/F/WF

Light Shadow W-W



Wall - Washer

String Light



General lighting

Mini Glo-Ball



General lighting

Find Me Suspension



General lighting

Anthony Spot Track



S/M

Multifunction Smart Device

FLOS Control® by Casambi

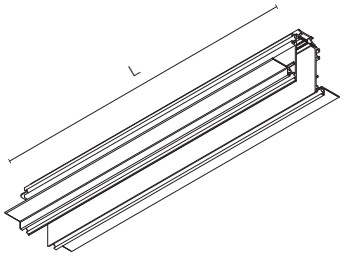


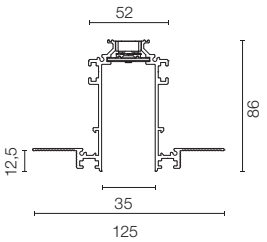
Profiles

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 cannot be installed before the suspended plasterboard ceiling.

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos/paredes de cartón yeso.
Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m. Tapas incluidas en los perfiles de alimentación.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), esquinas simétricas de 90° en distinto plano en interior y exterior. Provistos para conexión a driver.
Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Running Magnet antes que el falso techo de cartón yeso.





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

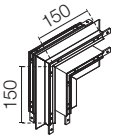
Intermediate Profiles
L: 1000 mm
06.1643.14
L: 1500 mm
06.1644.14
L: 2000 mm
06.1645.14
L: 2500 mm
06.1646.14
L: 3000 mm
06.1647.14

L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

90° Corner.
Can be powered.

Esquina 90°.
Alimentable.



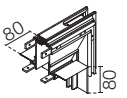


06.1648.14

Inner corner.
Can be powered.

Esquina interior.
Alimentable.



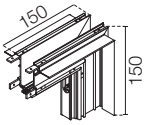


06.1650.14

Outer corner.
Can be powered.

Esquina exterior.
Alimentable.



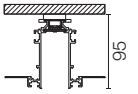


06.1651.14

Fixed ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo fijo (opcional). Kit de 2 unidades.



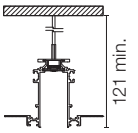


08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.





08.8867.14

Profile (mm)	Quantities Ceiling Kit (units)
1000 / 1500	2
2000 / 2500	3
3000	4

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.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.



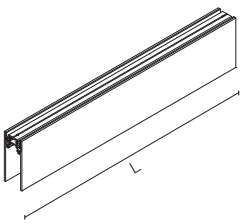
08.8865.14A

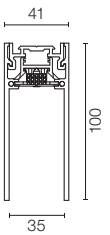
Profiles

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.

Perfiles

Perfil electro-mecánico para instalaciones en superficie.
Perfiles lineales disponibles en dos versiones: perfil de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
Tapas incluidas en los perfiles de alimentación. Accesorios de fijación incluidos en todos los productos.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquinas simétricas de 90° en distinto plano en interior, comunes en versiones Surface y Down. Provistos para conexión a driver.
La parte interior del perfil se suministra siempre en negro.





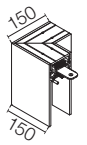
L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles	Intermediate Profiles
L: 1000 mm	L: 1000 mm
06.1600.40	06.1605.40
06.1600.14	06.1605.14
L: 1500 mm	L: 1500 mm
06.1601.40	06.1606.40
06.1601.14	06.1606.14
L: 2000 mm	L: 2000 mm
06.1602.40	06.1607.40
06.1602.14	06.1607.14
L: 2500 mm	L: 2500 mm
06.1603.40	06.1608.40
06.1603.14	06.1608.14
L: 3000 mm	L: 3000 mm
06.1604.40	06.1609.40
06.1604.14	06.1609.14

90° Corner.
Can be powered.

Esquina 90°.
Alimentable.



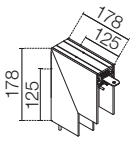


06.1610.40
06.1610.14

Inner corner.
Can be powered.

Esquina interior.
Alimentable.





06.1612.40
06.1612.14

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.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.



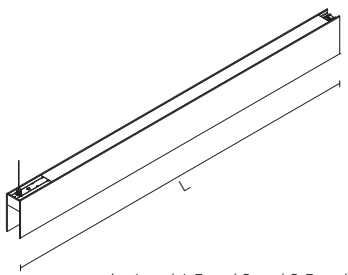
08.8887.40A
08.8887.14A

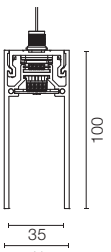
Profiles

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.

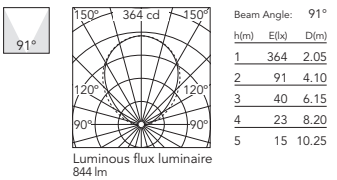
Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
Los elementos lineales en versión Up&Down incluyen iluminación LED indirecta en la parte superior del perfil. Pueden alimentarse con alimentación común o independiente.
Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
Tapas incluidas en los perfiles de alimentación. Accesorios para conexión (cable alimentación 4,2 m) y suspensión (cable de acero 4 m) a techo incluidos en todos los productos lineales de alimentación o intermedios.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha). No provistos para conexión a driver.
Las esquinas de las versiones Suspendidas del Running Magnet no incorporan iluminación indirecta. La iluminación indirecta puede ser controlada como un circuito separado si se alimenta con un equipo especial y, en el caso de una instalación DALI, equipada con un equipo opcional de control DALI se debe pedir por separado.
Los perfiles no se pueden cortar.
La parte interior del perfil se suministra siempre en negro.





L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m



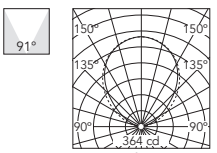
Beam Angle:	91°
h(m)	E(lx) D(m)
1	364 2.05
2	91 4.10
3	40 6.15
4	23 8.20
5	15 10.25

Luminous flux luminaire 844 lm

Light Source: Top LED 8,4W/m Up - 950 lm/m Up - 3000K/CRI 90

Feed Unit Profiles

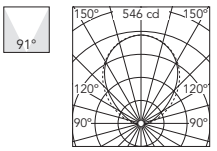
L: 1000 mm
06.1614.40A
06.1614.14A



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

Luminous flux luminaire 844 lm

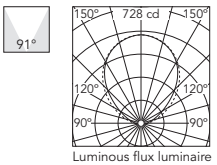
L: 1500 mm
06.1615.40A
06.1615.14A



Beam Angle:	91°
h(m)	E(lx) D(m)
1	546 2.05
2	136 4.10
3	61 6.15
4	34 8.20
5	22 10.25

Luminous flux luminaire 1266 lm

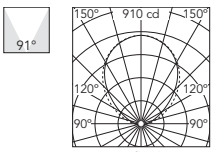
L: 2000 mm
06.1616.40A
06.1616.14A



Beam Angle:	91°
h(m)	E(lx) D(m)
1	728 2.05
2	182 4.10
3	81 6.15
4	45 8.20
5	29 10.25

Luminous flux luminaire 1688 lm

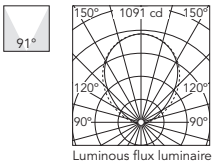
L: 2500 mm
06.1617.40A
06.1617.14A



Beam Angle:	91°
h(m)	E(lx) D(m)
1	910 2.05
2	227 4.10
3	101 6.15
4	57 8.20
5	36 10.25

Luminous flux luminaire 2109 lm

L: 3000 mm
06.1618.40A
06.1618.14A

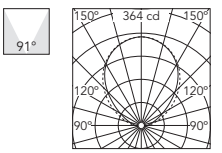


Beam Angle:	91°
h(m)	E(lx) D(m)
1	1091 2.05
2	273 4.10
3	121 6.15
4	68 8.20
5	44 10.25

Luminous flux luminaire 2531 lm

Intermediate Profiles

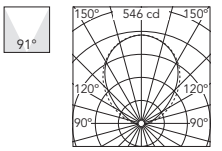
L: 1000 mm
06.1619.40A
06.1619.14A



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

Luminous flux luminaire 844 lm

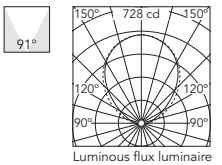
L: 1500 mm
06.1620.40A
06.1620.14A



Beam Angle:	91°
h(m)	E(lx) D(m)
1	546 2.05
2	136 4.10
3	61 6.15
4	34 8.20
5	22 10.25

Luminous flux luminaire 1266 lm

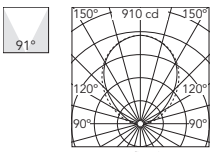
L: 2000 mm
06.1621.40A
06.1621.14A



Beam Angle:	91°
h(m)	E(lx) D(m)
1	728 2.05
2	182 4.10
3	81 6.15
4	45 8.20
5	29 10.25

Luminous flux luminaire 1688 lm

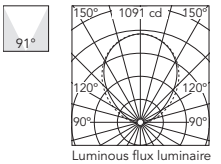
L: 2500 mm
06.1622.40A
06.1622.14A



Beam Angle:	91°
h(m)	E(lx) D(m)
1	910 2.05
2	227 4.10
3	101 6.15
4	57 8.20
5	36 10.25

Luminous flux luminaire 2109 lm

L: 3000 mm
06.1623.40A
06.1623.14A



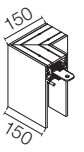
Beam Angle:	91°
h(m)	E(lx) D(m)
1	1091 2.05
2	273 4.10
3	121 6.15
4	68 8.20
5	44 10.25

Luminous flux luminaire 2531 lm

90° Corner.
Cannot be powered. Includes 1 cable suspension kit.

Esquina 90°.
No alimentable. Incluye 1 kit de suspensión con cable.





06.1624.40
06.1624.14

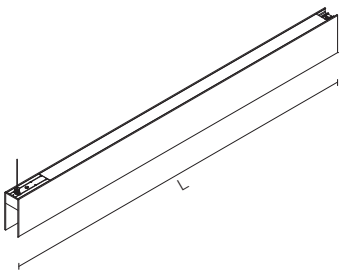
THE RUNNING MAGNET SUSPENSION DOWN — PROFILES

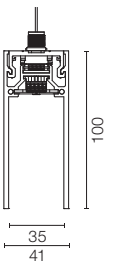
Profiles

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.

Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
Tapas incluidas en los perfiles de alimentación.
Accesorios para conexión (cable alimentación 4,2 m) y suspensión (cable de acero 4 m) a techo incluidos en todos los productos lineales de alimentación o intermedios.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), comunes en versiones Surface y Down.
Provistos para conexión a driver.
La parte interior del perfil se suministra siempre en negro.





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

90° Corner.

Cannot be powered. Includes 1 cable suspension kit.

Can be powered. Includes 2 cable suspension kits.

Esquina 90°.

No alimentable. Incluye 1 kit de suspensión con cable.

Alimentable. Incluye 2 kits de suspensión con cable.





Cannot be powered
06.1657.40
06.1657.14

Can be powered
06.1656.40
06.1656.14

The Running Magnet Suspension Up&Down / Down

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.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.



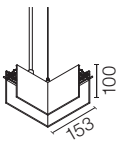
08.8887.40A
08.8887.14A

Down grid structures (square or rectangle shapes) / Para estructuras cerradas (cuadrados o rectángulos)

Corner 90º Grid.
Corner to build grig structures perfectly closed. Feed unit.
Dimensions 153x153.

Esquina 90º para estructuras en cuadrículas.
Esquina para la construcción de estructuras en cuadrícula perfectamente cerradas.
Alimentable. Dimensiones 153x153.



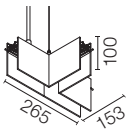


06.1740.14

T-Joint Grid Down.
T piece to build grid structures perfectly closed. Feed unit.
Dimensions 265x153.

Unión en T para estructuras en cuadrículas.
Pieza en forma de T, para la construcción de estructuras en cuadrícula perfectamente cerradas.
Alimentable. Dimensiones 265x153.



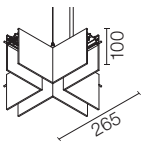


06.1741.14

X-Joint Grid Down.
Cross piece to build grid structures perfectly closed. Feed unit.
Dimensions 265x265.

Unión en cruz para estructuras en cuadrículas.
Pieza en forma de cruz, para la construcción de estructuras en cuadrícula perfectamente cerradas.
Alimentable. Dimensiones 265x265.

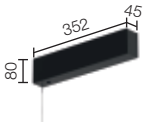
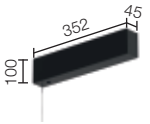




06.1742.14

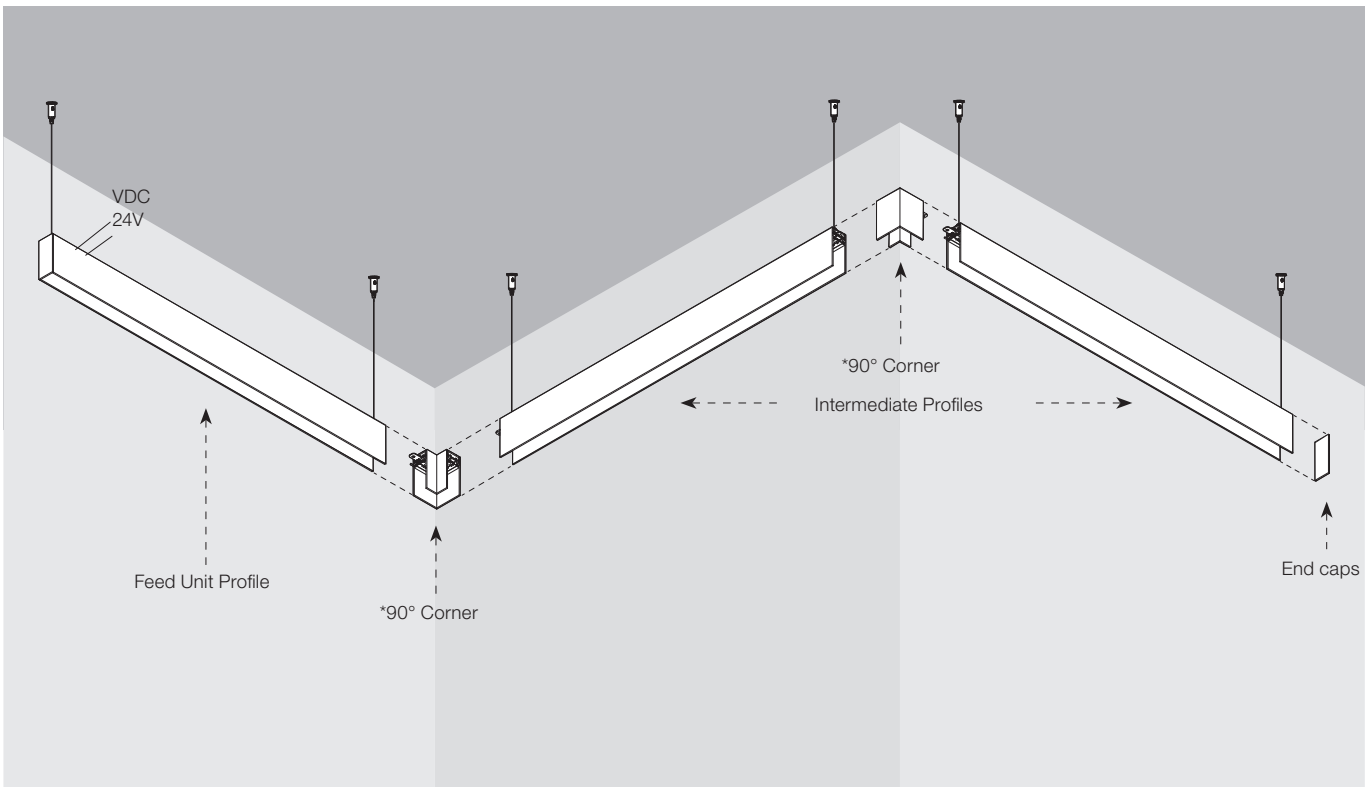
THE RUNNING MAGNET SUSPENSION

Accessories / Accesorios

Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.	Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.		08.8883.40A 08.8883.14A
Surface power supply for direct and indirect lighting with housing for the driver. 24V/185W - 110/240V equipment included. Cables not included.	Caja de alimentación de superficie tanto para luz directa como luz directa e indirecta con alojamiento para driver. Equipo 24V/185W - 110/240V incluido. Cables no incluidos.		08.8886.40 08.8886.14
DALI controller and 24V/185W - 110/240V equipment to supply and control both the direct and indirect lighting, included. Cables not included.	Controlador DALI y equipo 24V/185W - 110/240V para alimentar y controlar tanto la iluminación directa como la indirecta, incluido. Cables no incluidos.		08.8886.40.DA 08.8886.14.DA
Recessed power supply rose. Equipment not included. To be ordered separately.	Rosetón de alimentación empotrado. Equipo no incluido, pedir por separado.		08.8889.40 08.8889.14

THE RUNNING MAGNET — INSTALLATION PROFILES

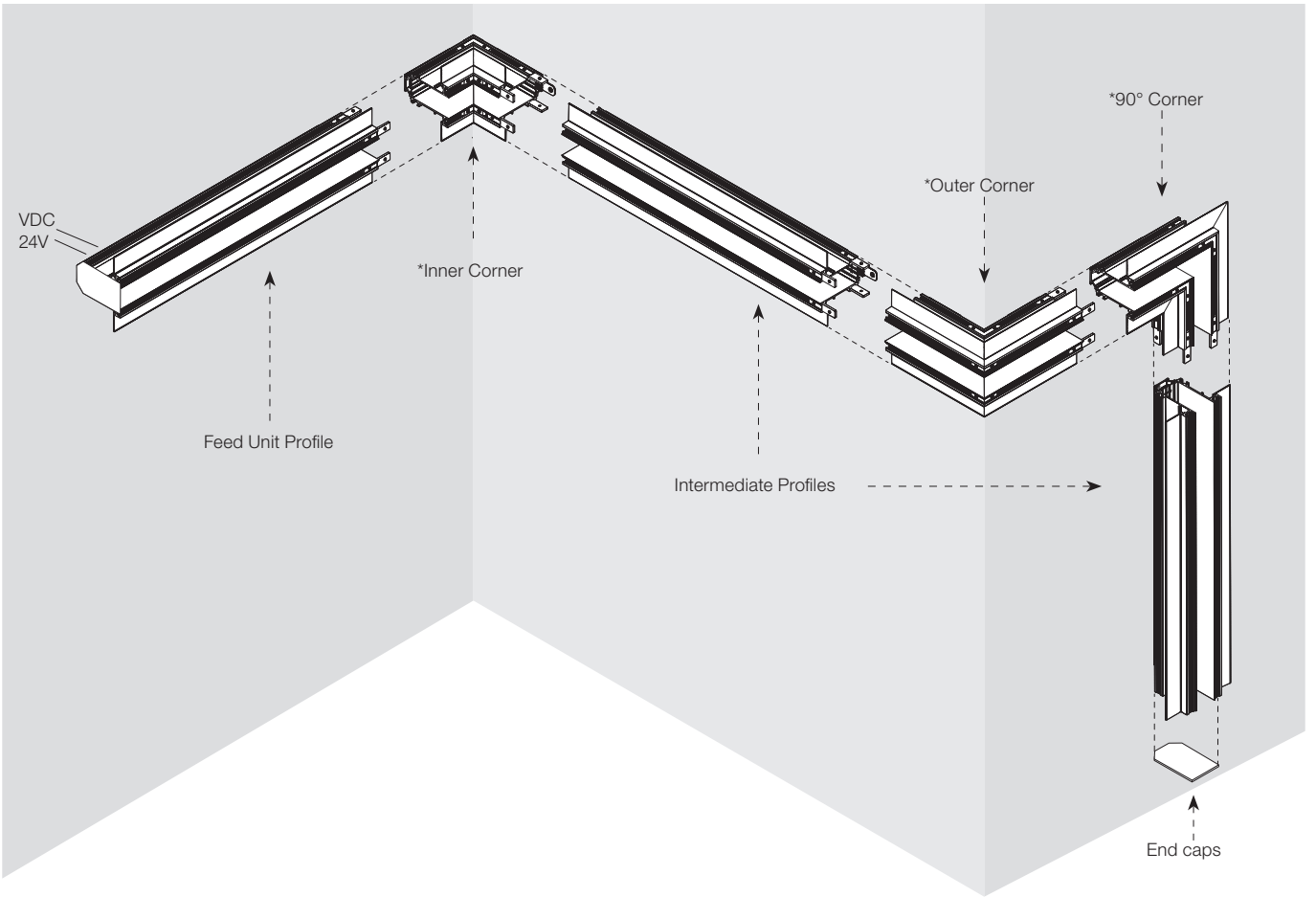
SUSPENSION INSTALLATION



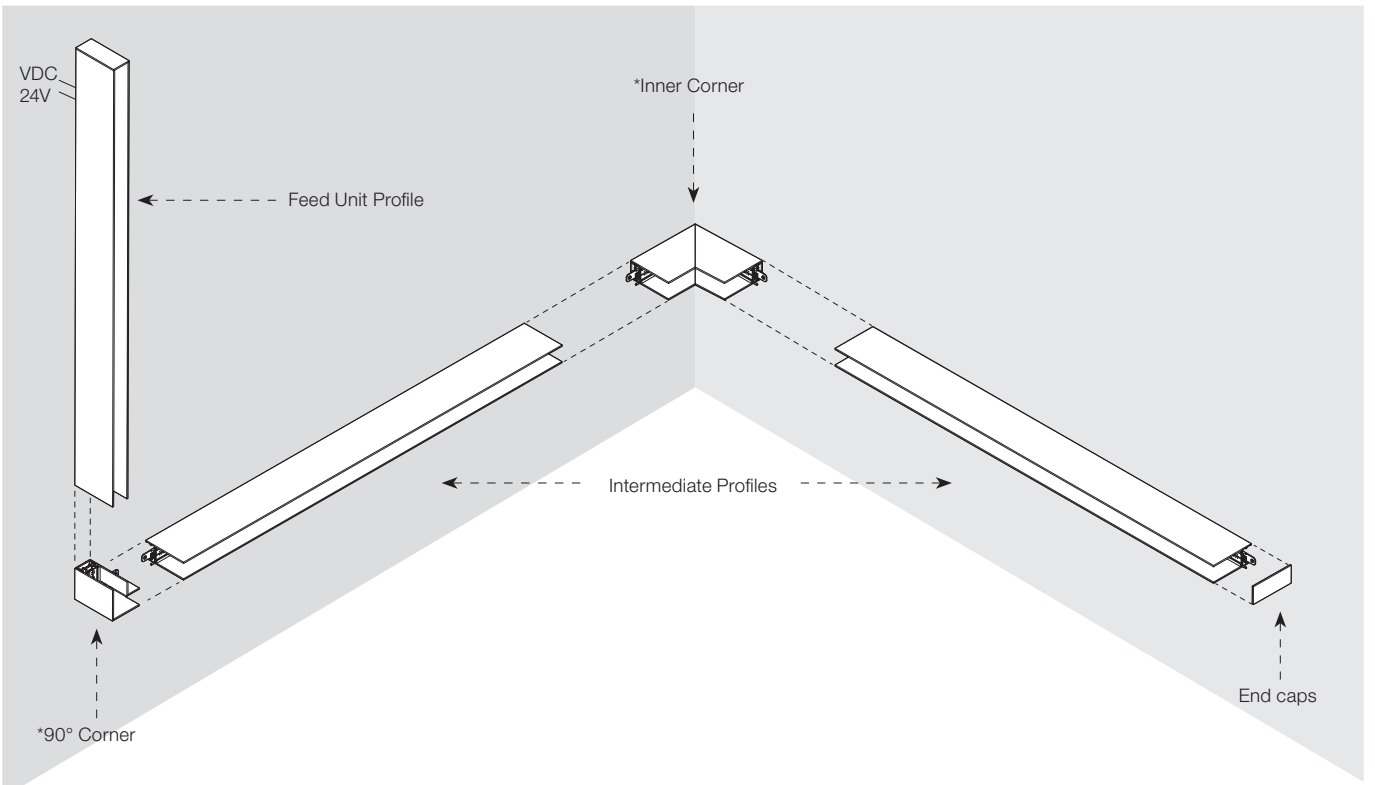
* Corners provided to feed the structure, only in the DOWN version / Esquinas provistas para alimentar la estructura, solo en versión DOWN.

THE RUNNING MAGNET — INSTALLATION PROFILES

RECESSED INSTALLATION



SURFACE INSTALLATION



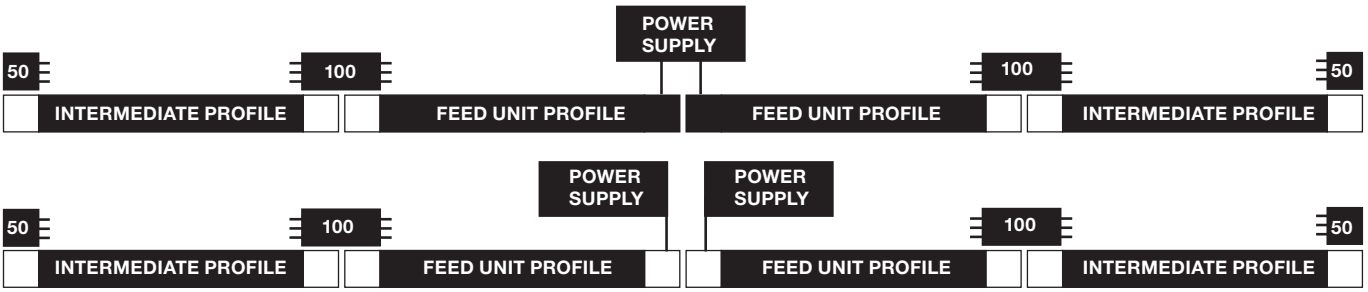
* Corners provided to feed the structure / Esquinas provistas para alimentar la estructura.

• 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.

• ¿Puedo alimentar una estructura directamente desde una esquina sin utilizar un perfil de alimentación?
Sí, las esquinas están preparadas para alimentar una estructura en ambas direcciones sin la necesidad de utilizar un perfil de alimentación. Simplemente se ha de tener en cuenta que se deberán pedir por separado las tapas de los perfiles ya que no están incluidas en las esquinas y perfiles intermedios.
Las esquinas en la versión Up&Down no se pueden alimentar.

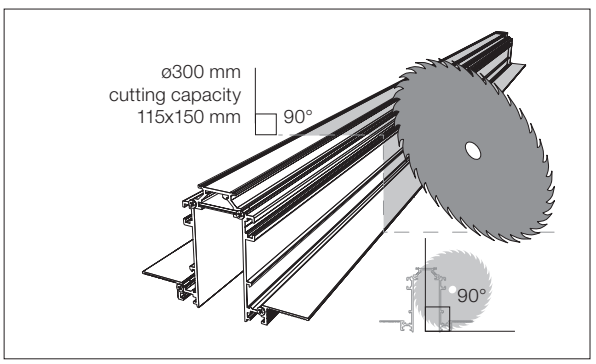
• Can I use a feed unit profile to feed a surface structure from the center?
Yes, to feed a surface structure from the center (in both directions), you'll need to use two feed unit profiles with two power supplies connected, one to each feed unit profile, or connect the same power supply to both feed unit profiles, respecting any potential electrical limitations. The mechanical connection can be made between profiles without any problem.

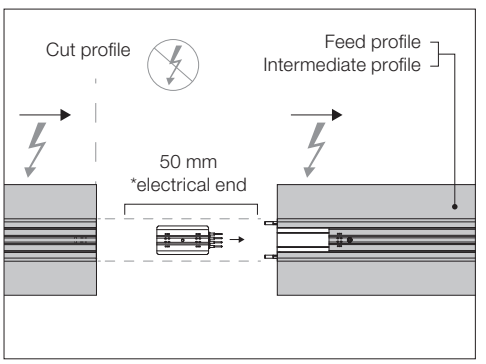
• ¿Puedo utilizar un perfil de alimentación para alimentar una estructura de superficie desde el centro?
Sí, para alimentar una estructura de superficie desde el centro (en ambas direcciones), se necesitarán dos perfiles de alimentación con dos fuentes de alimentación, una para cada perfil de alimentación, o la misma fuente de alimentación para ambos perfiles de alimentación, respetando las limitaciones eléctricas. La conexión mecánica entre los dos perfiles se puede realizar sin ningún problema.



• 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.

• ¿Puedo cortar un perfil?
Sí, los perfiles se pueden cortar a la medida deseada (excepto en la versión Up&Down). Una vez se corta un perfil se pierde la continuidad eléctrica. Si el perfil cortado no es el que cierra la estructura (en ese caso no se necesita continuidad eléctrica) el siguiente tramo se deberá volver a alimentar con una esquina o un perfil de alimentación.
Si el lado cortado es final, hay que aislar eléctricamente la tapa (end cap) metálica.

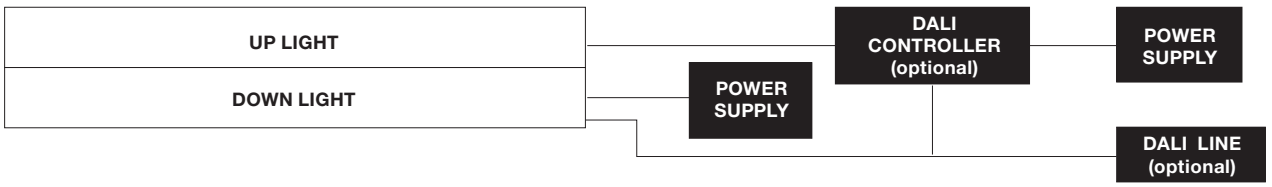




* Included with feed profiles or end caps /
Incluido en los perfiles de alimentación o end caps.

• 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 (60.9678).

• ¿Puedo controlar de manera independiente la iluminación directa e indirecta en la versión Up&Down?
Sí, para controlar la iluminación directa e indirecta de forma independiente simplemente se ha de conectar una fuente de alimentación a la conexión de iluminación indirecta y otra a la directa, permitiendo de esta forma controlar las diferentes fuentes de manera independiente.
Si se desea usar un sistema de regulación DALI, entonces la fuente de alimentación conectada a la iluminación indirecta tiene que conectarse a un controlador DALI (60.9678).



• 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.

• ¿Puedo controlar de manera independiente las luminarias instaladas en una estructura con un controlador DALI?
Sí, el sistema DALI identificará cada luminaria que se instale individualmente y permitirá su control de manera independiente.

• Do I need the Dimmable Dali controller 60.9678 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 60.9678 DALI Controller is only required to make the Up indirect Light controllable with a DALI system in the Up&Down version.

• ¿Necesito la unidad de control dimmable DALI 60.9678 para hacer la estructura DALI?
Las luminarias ya van equipadas con electrónica DALI, por lo que la unidad de control DALI no será necesaria.
La unidad de control DALI 60.9678 solo será necesaria para controlar la iluminación indirecta con un sistema DALI en la versión Up&Down.

• 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

• ¿Cuál es la distancia máxima permitida entre la fuente de alimentación y el perfil?
Con la fuente de alimentación de 200W (60.9352) de nuestro catálogo, la distancia máxima permitida es:
. Cable de Ø 1,5 mm^2 : 2,5 m
. Cable de Ø 2,5 mm^2 : 4 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.

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?
La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es 8 m.

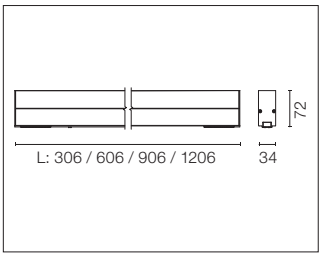
• Can I use a different, less powerful power supply?
All the information published on our website, and in our catalogue and installation instructions sheets is adjusted to the tests we perform with our 200W power supply (60.9352), which we recommend for our products.
However, a different power supply 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.

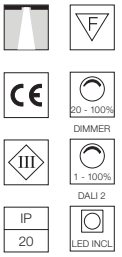
• ¿Puedo utilizar una fuente de alimentación diferente - menos potente?
Toda la información publicada en nuestra web, catálogo e instrucciones de instalación se ajusta a los tests realizados con nuestra fuente de alimentación de 200W (60.9352) recomendada para nuestros productos.
De todas formas, se puede utilizar una fuente de alimentación diferente para alimentar los perfiles, pero teniendo en cuenta las limitaciones eléctricas que debe cumplir.
Debe ser una fuente de alimentación de 24V con una corriente eléctrica máxima de 8A.

Light Stripe

Light Source: Top LED 25W/m - 2060 lm/m - 2700K/CRI 90 / 25W/m - 2178 lm/m - 3000K/CRI 90



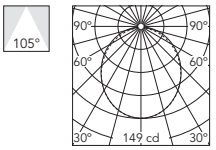




Diffused LED light module to be installed in The Running Magnet System. Opaline end caps to create continuous lines of light included. For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Running Magnet. Tapas opalinas para crear líneas de luz continuas incluidas. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

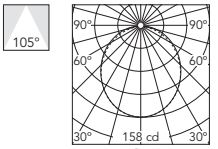
2700K
L: 300 mm - 7,5W - 618lm
On board dimmer
■ 03.7000.14
Dali Version
■ 03.7000.14ADA
**Casambi Integrated
■ 03.7000.14.CB



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

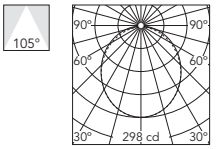
3000K
L: 300 mm - 7,5W - 653lm
On board dimmer
■ 03.7001.14
Dali Version
■ 03.7001.14ADA
**Casambi Integrated
■ 03.7001.14.CB



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

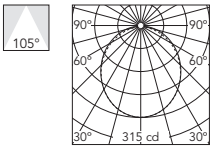
2700K
L: 600 mm - 15W - 1237lm
On board dimmer
■ 03.7002.14
Dali Version
■ 03.7002.14ADA
**Casambi Integrated
■ 03.7002.14.CB



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

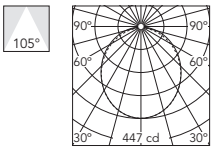
3000K
L: 600 mm - 15W - 1307lm
On board dimmer
■ 03.7003.14
Dali Version
■ 03.7003.14ADA
**Casambi Integrated
■ 03.7003.14.CB



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

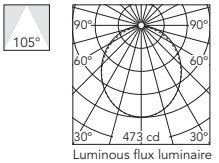
2700K
On board dimmer
L: 900 mm - 22,5W - 1855lm
■ 03.7004.14
Dali Version
■ 03.7004.14ADA
**Casambi Integrated
■ 03.7004.14.CB



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

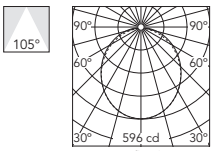
3000K
On board dimmer
L: 900 mm - 22,5W - 1960lm
■ 03.7005.14
Dali Version
■ 03.7005.14ADA
**Casambi Integrated
■ 03.7005.14.CB



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

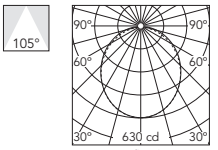
2700K
On board dimmer
L: 1200 mm - 30W - 2473lm
■ 03.7006.14
Dali Version
■ 03.7006.14ADA
**Casambi Integrated
■ 03.7006.14.CB



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 Version
■ 03.7007.14ADA
**Casambi Integrated
■ 03.7007.14.CB



Luminous flux luminaire
1760 lm

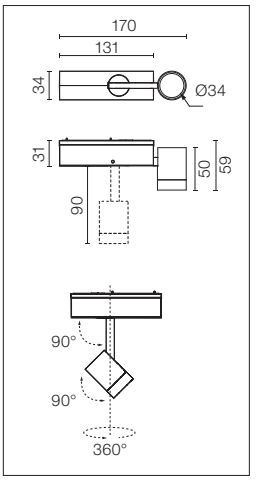
Beam Angle:	105°
h(m)	E(lx) D(m)
1	630 2.76
2	158 5.52
3	70 8.28
4	39 11.04
5	25 13.81

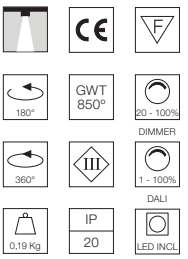
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot Module

Light Source: Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90







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.

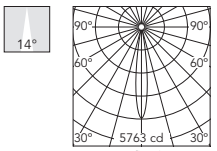
Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

Máximo 64 spots para un mismo controlador DALI.

Ver accesorios disponibles.

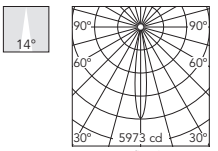
2700K
On board dimmer
03.6303.14B
Dali Version
03.6303.14CDA
**Casambi Integrated
03.6303.14BCB



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 Version
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

Accessories / Accesorios

Spot Module

Screening external ring for Running Magnet spot module in aluminium with a black finish to enhance the visual comfort.

Aro exterior apantallador para spot module Running Magnet realizado en aluminio y acabado en negro, para un incremento del confort visual.



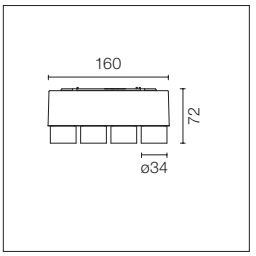
08.8427.14

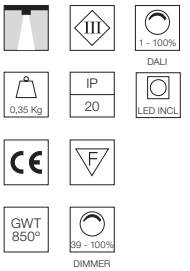
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Multi Spot 4

Light Source: Power LED 10W - 4x226 lm - 2700K/CRI 90 / 10W - 4x240 lm - 3000K/CRI 90







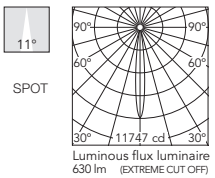
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Ver accesorios disponibles.

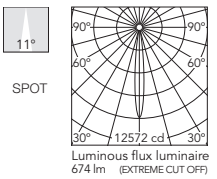
2700K
On board dimmer
03.6305.14
Dali Version
03.6305.14ADA
**Casambi Integrated
03.6305.14.CB



Luminous flux luminaire
630 lm (EXTREME CUT OFF)

Beam Angle:	11°
h(m) E(lx)	D(m)
1 11747	0.20
2 2937	0.40
3 1305	0.60
4 734	0.80
5 470	1.00

3000K
On board dimmer
03.6306.14
Dali Version
03.6306.14ADA
**Casambi Integrated
03.6306.14.CB



Luminous flux luminaire
674 lm (EXTREME CUT OFF)

Beam Angle:	11°
h(m) E(lx)	D(m)
1 12572	0.20
2 3143	0.40
3 1397	0.60
4 786	0.80
5 503	1.00

Accessories / Accesorios

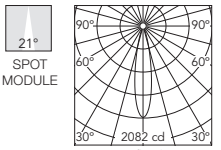
Spot Module & Multi Spot 4

Frosted medium lens.
Medium lens accessory.

Lente frosted medium.
Accesorio de óptica medium.

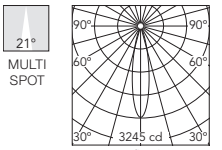


08.8760.00



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)

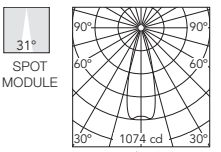
Beam Angle:	21°
h(m) E(lx)	D(m)
1 3245	0.37
2 811	0.75
3 361	1.12
4 203	1.50
5 130	1.87

Frosted flood lens.
Flood lens accessory.

Lente frosted flood.
Accesorio de óptica flood.

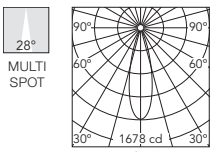


08.8761.00



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)

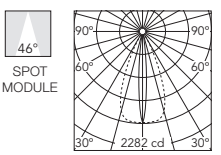
Beam Angle:	28°
h(m) E(lx)	D(m)
1 1678	0.50
2 420	1.00
3 186	1.51
4 105	2.01
5 67	2.51

Elliptical lens.

Lente elíptica.

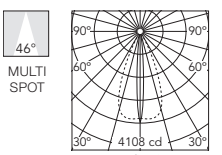


08.8759.00



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)

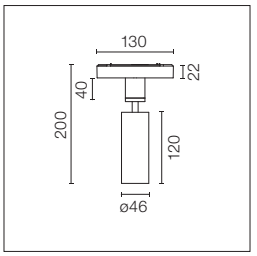
Beam Angle:	46°
h(m) E(lx)	D(m)
1 4108	0.15
2 1027	0.30
3 456	0.44
4 257	0.59
5 164	0.74

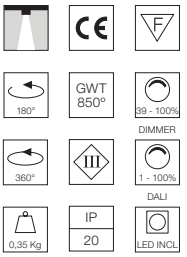
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 120

Light Source: Power LED 12,5W/14W DALI - 985 lm - 2700K/CRI 90 / 12,5W/14W DALI - 1060 lm - 3000K/CRI 90







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 14 spots for a single driver.
Spot Module DALI:
Maximum 11 spots for a single driver.

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 14 spots para un mismo driver.
Spot Module DALI:
Máximo 11 spots para un mismo driver.

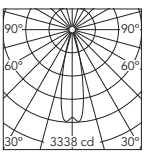
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
On board dimmer
- ☐ 03.6285.40
- ■ 03.6285.14

Dali Version
- ☐ 03.6285.40ADA
- ■ 03.6285.14ADA

**Casambi Integrated
- ☐ 03.6285.40.CB
- ■ 03.6285.14.CB





Luminous flux luminaire
707 lm (EXTREME CUT OFF)

Beam Angle: 25°

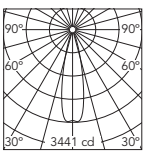
h(m)	E(lx)	D(m)
1	3338	0.44
2	835	0.89
3	371	1.33
4	209	1.78
5	134	2.22

3000K
On board dimmer
- ☐ 03.6284.40
- ■ 03.6284.14

Dali Version
- ☐ 03.6284.40ADA
- ■ 03.6284.14ADA

**Casambi Integrated
- ☐ 03.6284.40.CB
- ■ 03.6284.14.CB





Luminous flux luminaire
731 lm (EXTREME CUT OFF)

Beam Angle: 25°

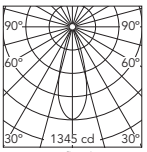
h(m)	E(lx)	D(m)
1	3441	0.45
2	860	0.89
3	382	1.34
4	215	1.78
5	138	2.23

2700K
On board dimmer
- ☐ 03.6286.40
- ■ 03.6286.14

Dali Version
- ☐ 03.6286.40ADA
- ■ 03.6286.14ADA

**Casambi Integrated
- ☐ 03.6286.40.CB
- ■ 03.6286.14.CB





Luminous flux luminaire
430 lm (EXTREME CUT OFF)

Beam Angle: 33°

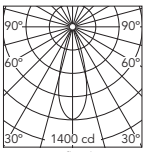
h(m)	E(lx)	D(m)
1	1345	0.59
2	336	1.17
3	149	1.76
4	84	2.34
5	54	2.93

3000K
On board dimmer
- ☐ 03.6287.40
- ■ 03.6287.14

Dali Version
- ☐ 03.6287.40ADA
- ■ 03.6287.14ADA

**Casambi Integrated
- ☐ 03.6287.40.CB
- ■ 03.6287.14.CB





Luminous flux luminaire
444 lm (EXTREME CUT OFF)

Beam Angle: 33°

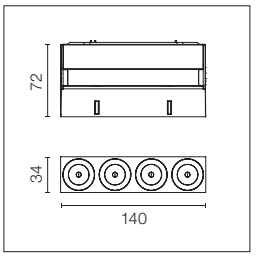
h(m)	E(lx)	D(m)
1	1400	0.58
2	350	1.16
3	156	1.75
4	88	2.33
5	56	2.91

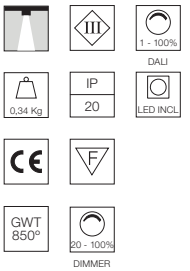
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Shadow

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90







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

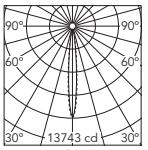
Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I On board dimmer
03.8948.40A
03.8948.14A
E I Dali Version
03.8948.40BDA
03.8948.14BDA
E I **Casambi Integrated
03.8948.40ACB
03.8948.14ACB

10° SPOT



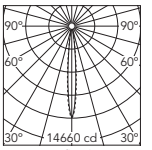
Luminous flux luminaire 751 lm (EXTREME CUT OFF)

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 Version
03.8952.40BDA
03.8952.14BDA
E I **Casambi Integrated
03.8952.40ACB
03.8952.14ACB

10° SPOT



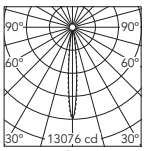
Luminous flux luminaire 801 lm (EXTREME CUT OFF)

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 Version
03.8949.40BDA
03.8949.14BDA
E I **Casambi Integrated
03.8949.40ACB
03.8949.14ACB

10° SPOT



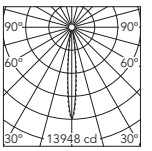
Luminous flux luminaire 724 lm (EXTREME CUT OFF)

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 Version
03.8953.40BDA
03.8953.14BDA
E I **Casambi Integrated
03.8953.40ACB
03.8953.14ACB

10° SPOT



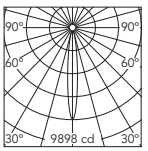
Luminous flux luminaire 773 lm (EXTREME CUT OFF)

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 Version
05.1800.40ADA
05.1800.14ADA
E I **Casambi Integrated
05.1800.40ACB
05.1800.14ACB

12° SPOT



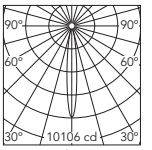
Luminous flux luminaire 789 lm (EXTREME CUT OFF)

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 Version
05.1805.40ADA
05.1805.14ADA
E I **Casambi Integrated
05.1805.40ACB
05.1805.14ACB

12° SPOT



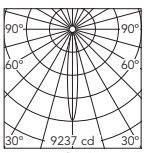
Luminous flux luminaire 805 lm (EXTREME CUT OFF)

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 Version
05.1801.40ADA
05.1801.14ADA
E I **Casambi Integrated
05.1801.40ACB
05.1801.14ACB

13° SPOT



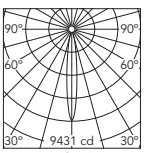
Luminous flux luminaire 784 lm (EXTREME CUT OFF)

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 Version
05.1806.40ADA
05.1806.14ADA
E I **Casambi Integrated
05.1806.40ACB
05.1806.14ACB

13° SPOT



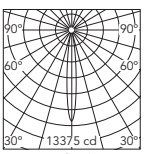
Luminous flux luminaire 800 lm (EXTREME CUT OFF)

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 Version
05.1802.40ADA
05.1802.14ADA
E I **Casambi Integrated
05.1802.40ACB
05.1802.14ACB

12° SPOT



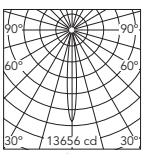
Luminous flux luminaire 841 lm (EXTREME CUT OFF)

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 Version
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

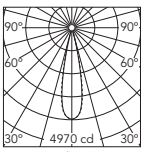
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

NEW

Optic Medium
2700K

E I On board dimmer
03.9620.40A
03.9620.14A
E I Dali Version
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)

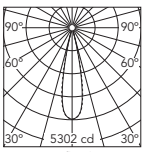
Beam Angle: 22°

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 Version
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)

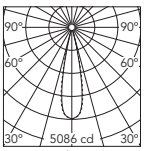
Beam Angle: 22°

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 Version
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)

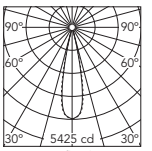
Beam Angle: 22°

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 Version
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)

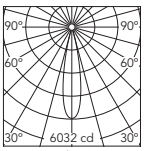
Beam Angle: 22°

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 Version
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)

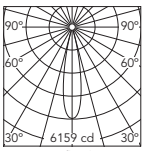
Beam Angle: 21°

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 Version
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)

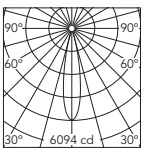
Beam Angle: 21°

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 Version
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)

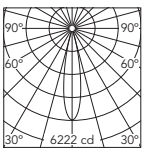
Beam Angle: 21°

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 Version
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)

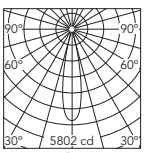
Beam Angle: 21°

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 Version
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)

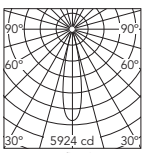
Beam Angle: 22°

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 Version
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°

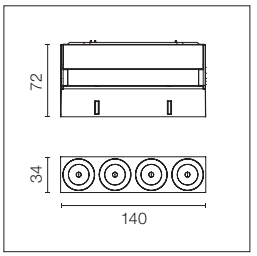
h(m)	E(lx)	D(m)
1	5924	0.38
2	1481	0.76
3	658	1.14
4	370	1.52
5	237	1.91

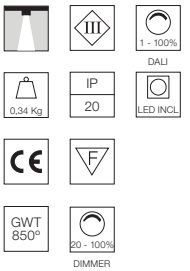
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Shadow

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90







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.

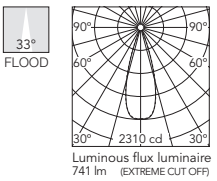
E= External Finish
I= Internal Finish

Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I On board dimmer
03.9625.40A
03.9625.14A
E I Dali Version
03.9625.40BDA
03.9625.14BDA
E I **Casambi Integrated
03.9625.40ACB
03.9625.14ACB



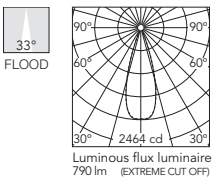
Luminous flux luminaire
741 lm (EXTREME CUT OFF)

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

Optic Flood 3000K

E I On board dimmer
03.9635.40A
03.9635.14A
E I Dali Version
03.9635.40BDA
03.9635.14BDA
E I **Casambi Integrated
03.9635.40ACB
03.9635.14ACB



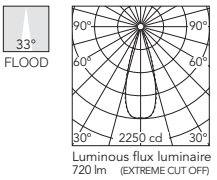
Luminous flux luminaire
790 lm (EXTREME CUT OFF)

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

2700K

E I On board dimmer
03.9626.40A
03.9626.14A
E I Dali Version
03.9626.40BDA
03.9626.14BDA
E I **Casambi Integrated
03.9626.40ACB
03.9626.14ACB



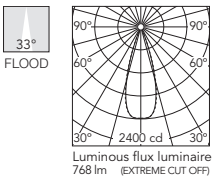
Luminous flux luminaire
720 lm (EXTREME CUT OFF)

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 Version
03.9636.40BDA
03.9636.14BDA
E I **Casambi Integrated
03.9636.40ACB
03.9636.14ACB



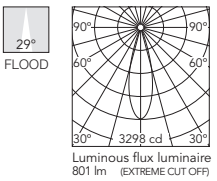
Luminous flux luminaire
768 lm (EXTREME CUT OFF)

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 Version
05.1820.40ADA
05.1820.14ADA
E I **Casambi Integrated
05.1820.40ACB
05.1820.14ACB



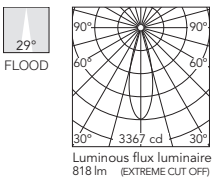
Luminous flux luminaire
801 lm (EXTREME CUT OFF)

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 Version
05.1825.40ADA
05.1825.14ADA
E I **Casambi Integrated
05.1825.40ACB
05.1825.14ACB



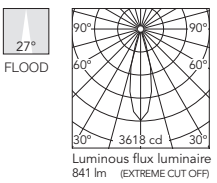
Luminous flux luminaire
818 lm (EXTREME CUT OFF)

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 Version
05.1821.40ADA
05.1821.14ADA
E I **Casambi Integrated
05.1821.40ACB
05.1821.14ACB



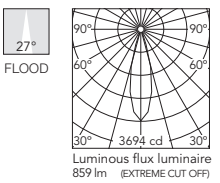
Luminous flux luminaire
841 lm (EXTREME CUT OFF)

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 Version
05.1826.40ADA
05.1826.14ADA
E I **Casambi Integrated
05.1826.40ACB
05.1826.14ACB



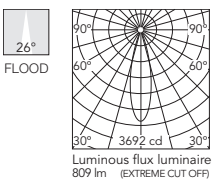
Luminous flux luminaire
859 lm (EXTREME CUT OFF)

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 Version
05.1822.40ADA
05.1822.14ADA
E I **Casambi Integrated
05.1822.40ACB
05.1822.14ACB



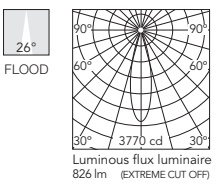
Luminous flux luminaire
809 lm (EXTREME CUT OFF)

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 Version
05.1827.40ADA
05.1827.14ADA
E I **Casambi Integrated
05.1827.40ACB
05.1827.14ACB



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

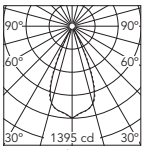
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

NEW

Optic Wide Flood
2700K

E I On board dimmer
03.9660.40A
03.9660.14A
E I Dali Version
03.9660.40BDA
03.9660.14BDA
E I **Casambi Integrated
03.9660.40ACB
03.9660.14ACB



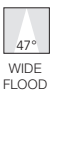


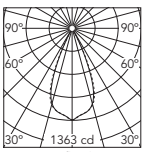
Luminous flux luminaire
735 lm

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

2700K

E I On board dimmer
03.9661.40A
03.9661.14A
E I Dali Version
03.9661.40BDA
03.9661.14BDA
E I **Casambi Integrated
03.9661.40ACB
03.9661.14ACB





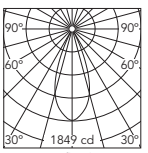
Luminous flux luminaire
731 lm

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

2700K

E I On board dimmer
05.1830.40A
05.1830.14A
E I Dali Version
05.1830.40ADA
05.1830.14ADA
E I **Casambi Integrated
05.1830.40ACB
05.1830.14ACB





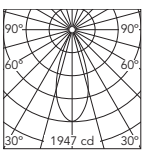
Luminous flux luminaire
789 lm (EXTREME CUT OFF)

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

2700K

E I On board dimmer
05.1831.40A
05.1831.14A
E I Dali Version
05.1831.40ADA
05.1831.14ADA
E I **Casambi Integrated
05.1831.40ACB
05.1831.14ACB





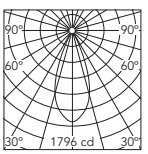
Luminous flux luminaire
786 lm (EXTREME CUT OFF)

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

2700K

E I On board dimmer
05.1832.40A
05.1832.14A
E I Dali Version
05.1832.40ADA
05.1832.14ADA
E I **Casambi Integrated
05.1832.40ACB
05.1832.14ACB



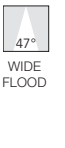


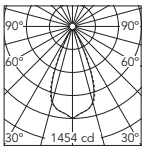
Luminous flux luminaire
767 lm (EXTREME CUT OFF)

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

Optic Wide Flood
3000K

E I On board dimmer
03.9664.40A
03.9664.14A
E I Dali Version
03.9664.40BDA
03.9664.14BDA
E I **Casambi Integrated
03.9664.40ACB
03.9664.14ACB





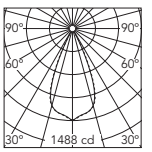
Luminous flux luminaire
780 lm

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

3000K

E I On board dimmer
03.9665.40A
03.9665.14A
E I Dali Version
03.9665.40BDA
03.9665.14BDA
E I **Casambi Integrated
03.9665.40ACB
03.9665.14ACB





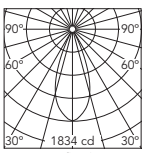
Luminous flux luminaire
784 lm

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

3000K

E I On board dimmer
05.1835.40A
05.1835.14A
E I Dali Version
05.1835.40ADA
05.1835.14ADA
E I **Casambi Integrated
05.1835.40ACB
05.1835.14ACB





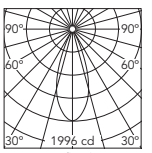
Luminous flux luminaire
783 lm (EXTREME CUT OFF)

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

3000K

E I On board dimmer
05.1836.40A
05.1836.14A
E I Dali Version
05.1836.40ADA
05.1836.14ADA
E I **Casambi Integrated
05.1836.40ACB
05.1836.14ACB





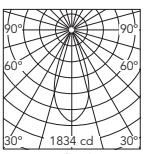
Luminous flux luminaire
806 lm (EXTREME CUT OFF)

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

3000K

E I On board dimmer
05.1837.40A
05.1837.14A
E I Dali Version
05.1837.40ADA
05.1837.14ADA
E I **Casambi Integrated
05.1837.40ACB
05.1837.14ACB





Luminous flux luminaire
783 lm (EXTREME CUT OFF)

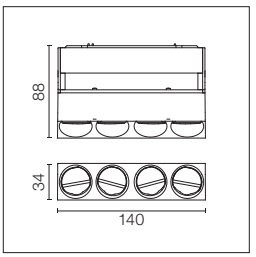
Beam Angle:	41°
h(m)	E(lx)	D(m)
1	1834	0.74
2	458	1.48
3	204	2.22
4	115	2.96
5	73	3.70

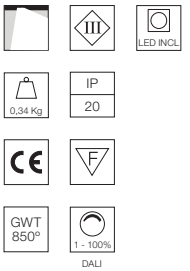
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Shadow Wall-Washer

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90







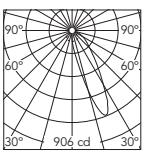
LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K
On board dimmer
- 03.9905.40A
- 03.9905.14A

Dali Version
- 03.9905.40BDA
- 03.9905.14BDA

**Casambi Integrated
- 03.9905.40ACB
- 03.9905.14ACB



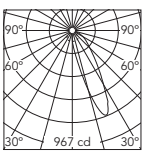
Luminous flux luminaire
684 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	906	0.48
2	227	0.97
3	101	1.45
4	57	1.94
5	36	2.42

3000K
On board dimmer
- 03.9904.40A
- 03.9904.14A

Dali Version
- 03.9904.40BDA
- 03.9904.14BDA

**Casambi Integrated
- 03.9904.40ACB
- 03.9904.14ACB



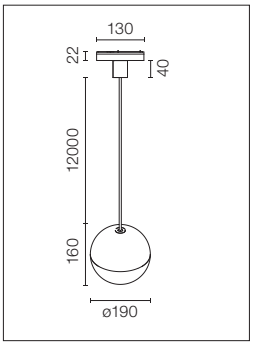
Luminous flux luminaire
730 lm

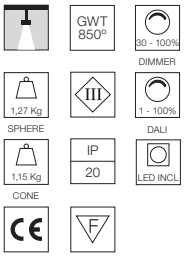
Beam Angle:	46°
h(m)	E(lx)	D(m)
1	967	0.48
2	242	0.97
3	107	1.45
4	60	1.94
5	39	2.42

String Light Sphere

Light Source: Power LED 16W - 1310 lm - 2700K/CRI 90 / 16W - 1404 lm - 3000K/CRI 90







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.

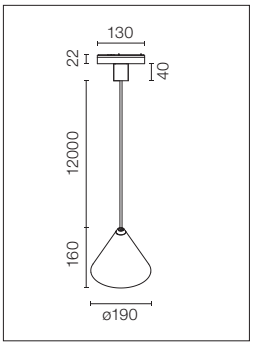
Spot Module No DALI:
Maximum 9 spots for a single driver.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 9 spots para un mismo driver.

String Light Cone

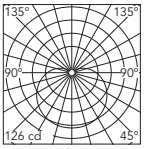




String Light Sphere 2700K
On board dimmer
- 03.6295.14

Dali Version
- 03.6295.14.DA

**Casambi Integrated
- 03.6295.14.CB

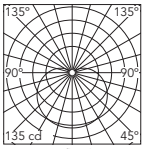


Luminous flux luminaire
780 lm

String Light Sphere 3000K
On board dimmer
- 03.6296.14

Dali Version
- 03.6296.14.DA

**Casambi Integrated
- 03.6296.14.CB



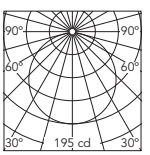
Luminous flux luminaire
836 lm

String Light Cone 2700K
On board dimmer
- 03.6297.14

Dali Version
- 03.6297.14.DA

**Casambi Integrated
- 03.6297.14.CB





Luminous flux luminaire
570 lm

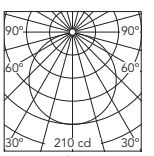
Beam Angle:	114°
h(m)	E(lx)	D(m)
1	195	3.09
2	49	6.17
3	22	9.26
4	12	12.34
5	8	15.43

String Light Cone 3000K
On board dimmer
- 03.6298.14

Dali Version
- 03.6298.14.DA

**Casambi Integrated
- 03.6298.14.CB





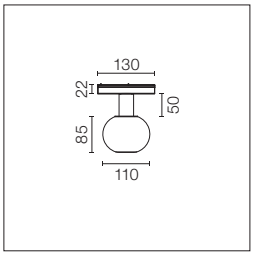
Luminous flux luminaire
611 lm

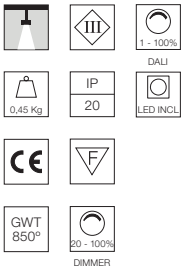
Beam Angle:	114°
h(m)	E(lx)	D(m)
1	210	3.09
2	52	6.17
3	23	9.26
4	13	12.34
5	8	15.43

Mini Glo-Ball

Light Source: Power LED 7W - 800 lm - 2700K/CRI 80 / 7W - 880 lm - 3000K/CRI 80







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.

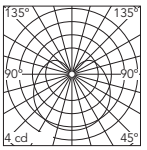
Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

2700K
On board dimmer
- 03.6260.14B

Dali Version
- 03.6260.14ADA

*Casambi Integrated
- 03.6260.14.CB

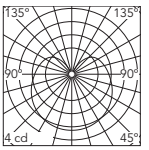


Luminous flux luminaire
446 lm

3000K
On board dimmer
- 03.6261.14B

Dali Version
- 03.6261.14ADA

*Casambi Integrated
- 03.6261.14.CB

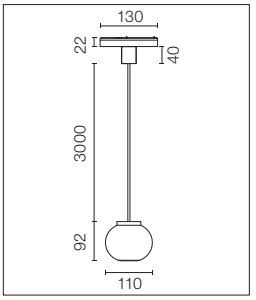


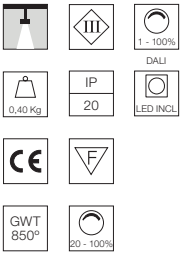
Luminous flux luminaire
508 lm

Mini Glo-Ball S

Light Source: Power LED 3,5W - 400 lm - 2700K/CRI 80 / 3,5W - 440 lm - 3000K/CRI 80







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.

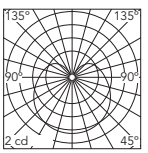
Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

2700K
On board dimmer
- 03.6262.14B

Dali Version
- 03.6262.14ADA

**Casambi Integrated
- 03.6262.14.CB

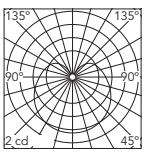


Luminous flux luminaire
258 lm

3000K
On board dimmer
- 03.6263.14B

Dali Version
- 03.6263.14ADA

**Casambi Integrated
- 03.6263.14.CB



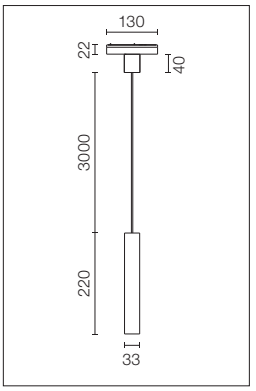
Luminous flux luminaire
271 lm

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Find Me 1 Suspension

Light Source: Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90







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.

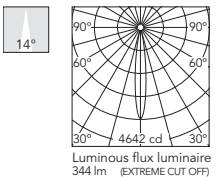
Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

2700K
On board dimmer
- 03.6272.30D
- 03.6272.06D
- 03.6272.14D

Dali Version
- 03.6272.30EDA
- 03.6272.06EDA
- 03.6272.14EDA

**Casambi Integrated
- 03.6272.30DCB
- 03.6272.06DCB
- 03.6272.14DCB



Luminous flux luminaire
344 lm (EXTREME CUT OFF)

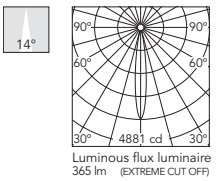
Beam Angle: 14°

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
- 03.6273.06D
- 03.6273.14D

Dali Version
- 03.6273.30EDA
- 03.6273.06EDA
- 03.6273.14EDA

**Casambi Integrated
- 03.6273.30DCB
- 03.6273.06DCB
- 03.6273.14DCB



Luminous flux luminaire
365 lm (EXTREME CUT OFF)

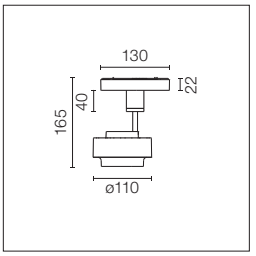
Beam Angle: 14°

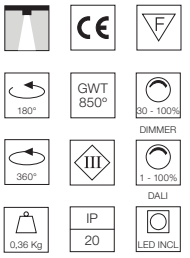
h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

Anthony Spot Track By Antonio Citterio

Light Source: Power LED 16W - 1310 lm - 2700K/CRI 90 / 16W - 1404 lm - 3000K/CRI 90







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.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

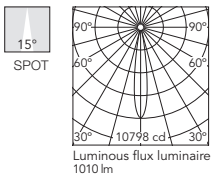
Spot Module No DALI:
Máximo 9 spots para un mismo driver.

Ver accesorios disponibles.

2700K
On board dimmer
- 03.6277.40A
- 03.6277.14A

Dali Version
- 03.6277.40ADA
- 03.6277.14ADA

**Casambi Integrated
- 03.6277.40ACB
- 03.6277.14ACB



Luminous flux luminaire
1010 lm

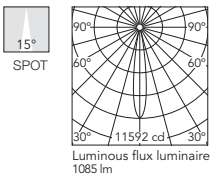
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10798	0.27
2	2700	0.54
3	1200	0.81
4	675	1.09
5	432	1.36

3000K
On board dimmer
- 03.6274.40A
- 03.6274.14A

Dali Version
- 03.6274.40ADA
- 03.6274.14ADA

**Casambi Integrated
- 03.6274.40ACB
- 03.6274.14ACB



Luminous flux luminaire
1085 lm

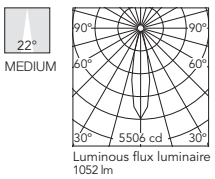
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11592	0.27
2	2898	0.54
3	1288	0.81
4	724	1.09
5	464	1.36

2700K
On board dimmer
- 03.6278.40A
- 03.6278.14A

Dali Version
- 03.6278.40ADA
- 03.6278.14ADA

**Casambi Integrated
- 03.6278.40ACB
- 03.6278.14ACB



Luminous flux luminaire
1052 lm

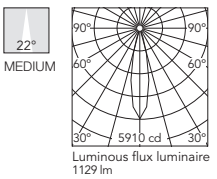
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5506	0.40
2	1376	0.79
3	612	1.19
4	344	1.58
5	220	1.98

3000K
On board dimmer
- 03.6275.40A
- 03.6275.14A

Dali Version
- 03.6275.40ADA
- 03.6275.14ADA

**Casambi Integrated
- 03.6275.40ACB
- 03.6275.14ACB



Luminous flux luminaire
1129 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5910	0.40
2	1478	0.79
3	657	1.19
4	369	1.58
5	236	1.98

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

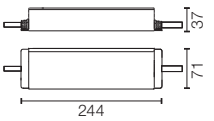
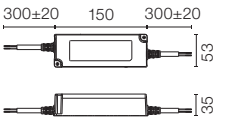
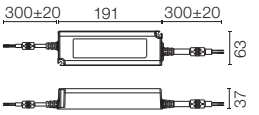
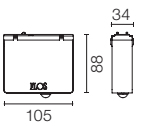
NEW

Accessories / Accesorios

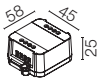
Anthony Spot Track

Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35º) order Anthony Spot Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35º) pedir Anthony Spot Medium + lente flood.		08.0050.00

Drivers / Equipos

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.	Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.			60.9352
Electronic transformer with constant voltage (24V) for LED. 100/240V.	Transformador electrónico de tensión constante (24V) para LED. 100/240V.			60W 60.9089 Up lighting max 6m
Electronic transformer with constant voltage (24V) for LED. 100/240V.	Transformador electrónico de tensión constante (24V) para LED. 100/240V.			120W 60.9407 Up lighting max 8m
Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.	Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia. FLOS Control® by Casambi.			06.1987.40 06.1987.14

The Running Magnet Up&Down version

Dimmable Dali control unit for 12 to 48V LED modules. Power supply not included.	Unidad de control dimable Dali para la regulación de módulos LED, para equipos de 12 a 48V. No incluye fuente de alimentación.			60.9678

For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

THE TRACKING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

FLOS CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

RECESSED

SURFACE

SUSPENSION
UP&DOWN/DOWN



Recessed Profiles
14 Black
14 Negro

Surface/Suspension Profiles
40 White
40 Blanco
05 Polished Aluminium
05 Aluminio Pulido
14 Black
14 Negro

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
2000 lm
2700K/CRI 90
2115 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

WALLEE



LIGHT SOURCE
TOP LED
10W
773 lm
2700K/CRI 90
818 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

Surface Flos Kit Installation

Recessed Flos Kit Installation

Recessed Conventional Installation

Anthony Spot

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: 3 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).

Optic system
- Light Stripe: diffuse ambient light.
- Spot 50: Medium.
- Spot 90: 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.
- Anthony Spot: Spot, Medium, Flood (with flood filter).
- Wallee: Wall frame lighting.

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 6.6A and 320W to avoid overloads.
Maximum length with a single power source is 20 m.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Renovado sistema de iluminación para interior en versiones superficie, suspendida o empotrada en pared/techo de cartón yeso.
En la nueva propuesta, además de la ya conocida versión “On Board Dimmer”, FLOS ha dado un paso más, añadiendo perfiles y luminarias que pueden controlarse con varios sistemas de control remoto: DALI, 1-10V y Casambi.
Existen tres versiones de perfil (empotrada, superficie/suspensión y Up&Down), todos fabricados con perfilería de aluminio máx. 3 m, extruido en blanco, negro o aluminio pulido, provistos de pistas eléctricas alimentadas a 48V.
Además, las versiones controlables como sistema (DALI, 1-10V) llevan bus de datos en grafito para su regulación. Las luminarias se instalan mediante un sistema de fijación magnética.
La familia Tracking Magnet se completa con módulos de iluminación ambiental y de acento, con diferentes ópticas. Los módulos de luz disponen de un potenciómetro instalado, regulación DALI, 1-10V o Casambi según se desee.

Control
- Para instalaciones de luminaria con sistema de dimado “On Board Dimmer” y FLOS Control®, usar perfil en versión “On Board Dimmer”. Las luminarias DALI y 1-10V solo son compatibles con perfil versión DALI, 1-10V. Las luminarias Casambi son compatibles con todos los perfiles.
- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para la gestión 1-10V es necesario que el sistema de control sea activo (SOURCE, el controlador genera la señal de tensión) y conectar el bus de datos de control directamente al perfil. Si el controlador es de tipo pasivo (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril) que hay que pedir por separado en el apartado de accesorios. En el sistema de gestión 1-10V todas las luminarias se regulan a la vez (en bloque o broadcast).
- Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.
Necesaria APP FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
Número máximo de interconexiones de carriles para garantizar la comunicación de la señal DALI o 1-10V será de 20 interconexiones incluyendo los cortes ó 20 metros.
Número máximo de cortes de carril para garantizar la comunicación de la señal DALI o 1-10V será 3 cortes.
La versión UP&DOWN equipa un interfaz DALI compatible para el control de la iluminación indirecta. Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.
La versión UP&DOWN puede ser controlada independientemente vía DALI.
Compatibilidad con “BTcino My home” (consultar con Front Office).

Sistema Óptico
- Light Stripe: luz ambiental difusa.
- Spot 50: Medium.
- Spot 90: Medium.
- Spot 120 Power LED (misma fuente de luz de los Spot 50 y Spot 90): Spot, Medium.
- Spot 120 LED Array (misma fuente de luz del Spot 150): Medium, Flood.
- Spot 150: Spot, Medium, Flood.
- Anthony Spot: Spot, Medium, Flood (con filtro fllood).
- Wallee: Iluminación de cuadros en pared.

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida.

Accesorios
Para el módulo de iluminación Anthony Spot existen lentes elípticas, flood (para usarse con Anthony Spot Medium) y elementos apantalladores.
Para los módulos de iluminación Spot tracking los accesorios honeycomb y cruceta de apantallamiento incorporados en el producto, salvo para el acabado cromo.
Las versiones Suspensión ofrecen dos sistemas de suspensión, que deben pedirse por separado: varillas rígidas para evitar la inclinación del Perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido, y cable de acero recomendado si una esquina está incluida en la estructura, donde la inclinación no aparecerá en ningún caso.

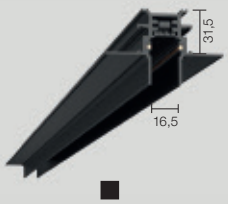
Información Adicional
La versión Recessed únicamente instalable en superficies de cartón-yeso de 12,5mm de espesor.
The Tracking Magnet es un sistema eléctrico alimentado a 48V y limitado a una corriente máxima de 6.6A y 320W para evitar sobrecargas.
Longitud máxima con una sola fuente de alimentación 20m.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

HOW TO ORDER

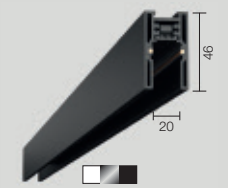
1 CHOOSE YOUR PROFILE AND LENGTH

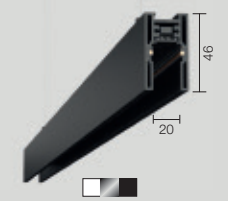
RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

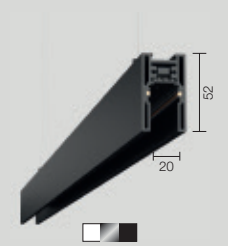
SURFACE/SUSPENSION DOWN PROFILE





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

RECESSED PROFILE

- Feed connector
- End cap
- Intermediate connector — Straight Flexible/Electrical corner
- 90° Corner — mechanical joint
- Inner corner — mechanical joint
- Outer corner — mechanical joint

Recessed installation

Accessories

- Fixed ceiling kit
- or
- Adjustable ceiling kit

SURFACE/SUSPENSION DOWN PROFILE

- Feed connector
- End cap
- Intermediate connector — Straight Flexible/Electrical corner
- 90° Corner — mechanical joint
- Inner corner — mechanical joint

Surface installation

Accessories

- Fixed ceiling kit

Suspension Down installation

- Suspension kit
- \+
- Surface rose
- or
- Recessed rose
- Power cable
- Rigid rod
- or
- Suspension cable

SUSPENSION UP&DOWN PROFILE

- Power connector profile
- End cap
- Intermediate connector — Straight Flexible/Electrical corner
- 90° Corner — mechanical joint
- Intermediate suspension kit

Suspension Up&Down installation

Accessories

- Surface rose
- or
- Recessed rose
- Power cable
- Rigid rod
- or
- Suspension cable

3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation

Remote power supply



185W *or* 320W

(select the driver with the appropriate power according to the needs of your project)

On board dimmer / Casambi / Dali



185W *or* 320W

(select the driver with the appropriate power according to the needs of your project)

\+



1-10V control box

(needed only to transform sink into source control signal)

1-10V

Surface installation

Remote power supply



185W *or* 320W

(select the driver with the appropriate power according to the needs of your project)

On board dimmer / Casambi / Dali



185W *or* 320W

(select the driver with the appropriate power according to the needs of your project)

\+



1-10V control box

(needed only to transform sink into source control signal)

1-10V

Suspension Down installation

Remote power supply



185W *or* 320W

(select the driver with the appropriate power according to the needs of your project)

On board dimmer / Casambi / Dali



185W *or* 320W

(select the driver with the appropriate power according to the needs of your project)

\+

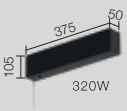


1-10V control box

(needed only to transform sink into source control signal)

1-10V

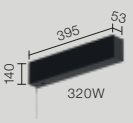
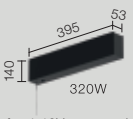
Surface power supply



(only for 1-10V source signal)

On board dimmer / Casambi / Dali / 1-10V

Suspension Up&Down installation

	Remote power supply		Surface power supply	
	Down instal.	**Up instal.**	**Down instal.**	**Up instal.**
On board dimmer	 185W *or* 320W		 395, 53, 140, 320W	
Casambi				
Dali	 185W *or* 320W			
		\+  DALI Push		
1-10V	 185W *or* 320W		 395, 53, 140, 320W (only for 1-10V source signal)	
	\+  1-10V control box (needed only to transform sink into source control signal)	\+  1-10V Push		

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Dali / 1-10V / Casambi / On board dimmer

Light Stripe





General lighting

Spot 50





M

Spot 90





S/M

Spot 120





S/M/F

Spot 150





S/M/F

Anthony Spot Track





S/M

Wallee





General lighting

Multifunction Smart Device

FLOS Control® by Casambi

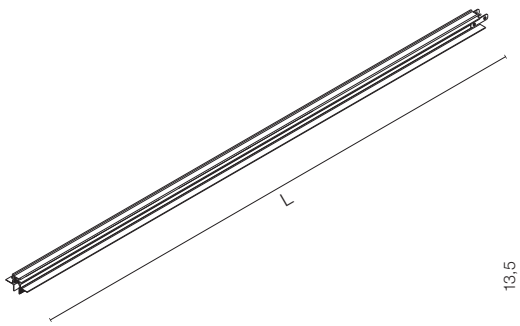


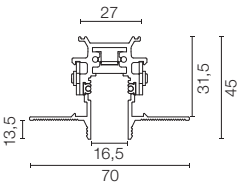
Profiles

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.

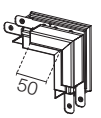
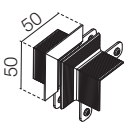
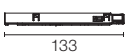
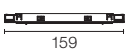
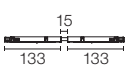
Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos/paredes de cartón yeso con longitudes de 1m a 3m.
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi. Versión compatible con luminarias controlables como sistema DALI y 1-10V. Esquinas, conectores y accesorios comunes para las dos versiones.
Necesario pedir por separado conector de alimentación, conectores intermedios y tapas.
Disponibles esquinas mecánicas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), esquinas simétricas de 90° en distinto plano en interior y exterior.
Necesario pedir por separado conector flexible para asegurar continuidad eléctrica en las esquinas.
No es posible instalar spots en las esquinas.
Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Tracking Magnet antes que el falso techo de cartón yeso.





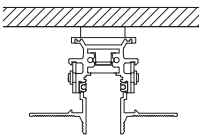
L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

				Casambi / On board dimmer compatible	Casambi / DALI / 1-10V compatible
				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
90° mechanical corner. To create electrical continuity, order with the flexible intermediate connector.	Esquina mecánica 90°. Para crear continuidad eléctrica pedir con el conector intermedio flexible.				06.5045.14
Inner mechanical corner. To create electrical continuity, order with the flexible intermediate connector.	Esquina mecánica interior. Para crear continuidad eléctrica pedir con el conector intermedio flexible.				06.5046.14
Outer mechanical corner. To create electrical continuity, order with the flexible intermediate connector.	Esquina mecánica exterior. Para crear continuidad eléctrica pedir con el conector intermedio flexible.				06.5047.14
Feed connector.	Conector alimentación.				08.0611.14
Intermediate connector.	Conector intermedio.			Straight	08.0612.14
				Flexible/Electrical corner	08.0614.14

Fixed ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo fijo
(opcional). Kit de 2 unidades.



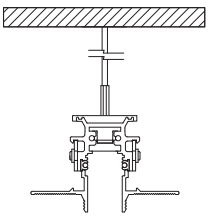


08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable
(opcional). Kit de 2 unidades.





08.8867.14

Profile (mm)	Quantities Ceiling Kit
1000 / 1500	1
2000 / 2500	2
3000	2

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por
separado. Kit de 2 unidades.



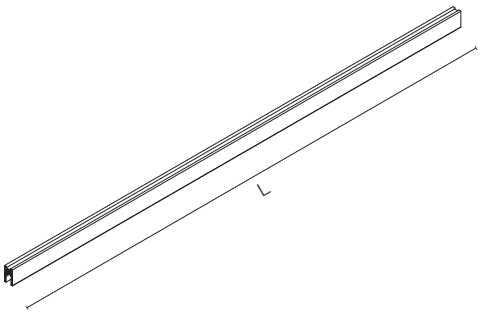
06.5008.14

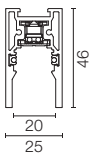
Profiles

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.

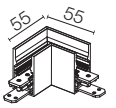
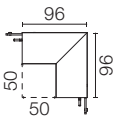
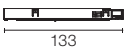
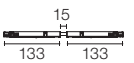
Perfiles

Perfil electro-mecánico para instalaciones en superficie o suspendidas, con longitudes de 1m a 3m.
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi.
Versión compatible con luminarias controlables como sistema DALI y 1-10V.
Esquinas, conectores y accesorios comunes para las dos versiones.
Necesario pedir por separado conector de alimentación, conectores intermedios, tapas y accesorios de fijación.
Disponibles esquinas mecánicas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquinas simétricas de 90° en distinto plano en interior.
Necesario pedir por separado conector flexible para asegurar continuidad eléctrica en las esquinas.
No es posible instalar spots en las esquinas.





L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

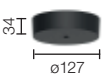
				Casambi / On board dimmer compatible	**Casambi / DALI / 1-10V compatible**
				L: 1000 mm 06.5060.40 06.5060.05 06.5060.14 L: 1500 mm 06.5061.40 06.5061.05 06.5061.14 L: 2000 mm 06.5062.40 06.5062.05 06.5062.14 L: 2500 mm 06.5063.40 06.5063.05 06.5063.14 L: 3000 mm 06.5064.40 06.5064.14	L: 1000 mm 06.5010.40 06.5010.05 06.5010.14 L: 1500 mm 06.5011.40 06.5011.05 06.5011.14 L: 2000 mm 06.5012.40 06.5012.05 06.5012.14 L: 2500 mm 06.5013.40 06.5013.05 06.5013.14 L: 3000 mm 06.5014.40 06.5014.14
90° mechanical corner. To create electrical continuity, order with the flexible intermediate connector.	Esquina mecánica 90°. Para crear continuidad eléctrica pedir con el conector intermedio flexible.				06.5015.40 06.5015.05 06.5015.14
Inner mechanical corner. Only for surface version.	Esquina mecánica interior. Solo para versión surface.				06.5016.40 06.5016.05 06.5016.14
Feed connector.	Conector de alimentación.				08.0611.14
Intermediate connector.	Conector intermedio.				Straight 08.0612.14
					Flexible/Electrical corner 08.0614.14
End caps. To be ordered separately. 2 unit kit.	Tapas. Se deben pedir por separado. Kit de 2 unidades.				06.5017.40 06.5017.05 06.5017.14

Accessories / Accesorios

Suspension

Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.
Not suitable for installations with suspension rods.

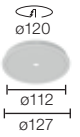
Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.
No válido para instalaciones con varillas de suspensión.



08.8883.40A
08.8883.14A

Recessed power supply rose. Equipment, power cable and suspension cable not included. They must be ordered separately.
Not suitable for installations with suspension rods.

Rosetón de alimentación empotrado. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.
No válido para instalaciones con varillas de suspensión.



08.8889.40
08.8889.14

4-pole, 0.75 mm² section, 4-meter long, transparent power cable.

Cable de alimentación transparente de 4 polos, 0,75 mm² de sección y 4m de longitud.



06.0157.00

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.
Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

1 m suspension rod with ceiling rose. M6 thread. Not applicable with a Surface power box.

Varilla de suspensión de 1 m con rosetón con fileteado m6. No aplicable con caja de alimentación de superficie.



60.3014.11
60.3014.14

1m suspension rod extension set m6 thread.

Alargo para varilla de suspensión de 1 m con fileteado m6.

60.3097.11
60.3097.14

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.

Cable de acero de suspensión de 4 m, recomendado si la estructura incluye una o más esquinas, ya que en estas estructuras el carril no se inclina, aunque no se equilibre el peso de las luminarias.



08.8634.00

Amount of fastening elements necessary (cables or rods):
for the union of rectilinear profiles, the necessary amounts shall be the sum of the necessary elements for each profile, acccording to the table, one less for each joint.

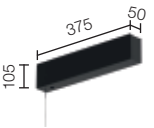
Cantidad de elementos de fijación necesarios (cables o varillas):
cuando se realice la unión de perfiles rectilíneos, la cantidad necesaria resultará de la suma de los elementos necesarios por cada perfil, según tabla, menos uno por cada unión.

Profile (mm)	Quantities Ceiling Kit
1000 / 1500	2
2000 / 2500	3
3000	4

Suspension

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.

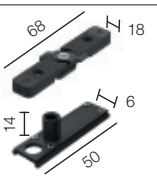
Caja de alimentación de superficie con equipo incluido 320W / 48Vdc. Cable transparente de 4 polos y 4m incluido. No válido para instalaciones con varillas de suspensión. Para control 1-10V usar solo señales activas.



08.0600.40
08.0600.14

Ceiling fixing kit. 2 unit kit.

Kit de sujeción a techo. Kit de 2 unidades.



Surface
08.0615.00

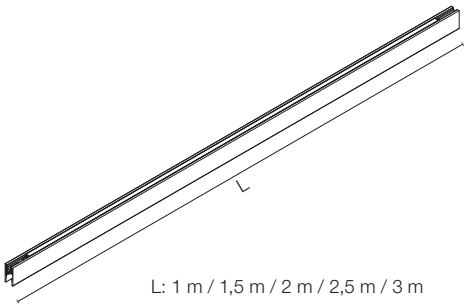
Suspension
08.0616.00

Profiles

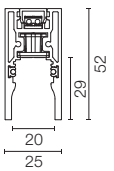
Electrical/mechanical profile for suspended installations.
The linear elements in the Up&Down version include indirect LED lighting in the upper part of the profile.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as 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.

Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
Los elementos lineales en versión Up&Down incluyen iluminación LED indirecta en la parte superior del perfil.
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi.
Versión compatible con luminarias controlables como sistema DALI y 1-10V.
Los perfiles no se pueden cortar. Las tapas se deben pedir por separado.
Accesorios de suspensión (cable de acero y varillas) se deben pedir por separado.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).
Las esquinas no llevan iluminación indirecta. La luz indirecta se puede controlar a través del mismo circuito que la luz directa o de forma independiente.
La versión Up&Down puede ser controlada independientemente vía DALI.



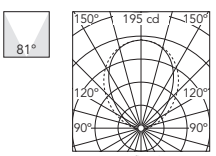
L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m



Light Source: Top LED 6,5W/m Up - 630 lm/m Up - 3000K/CRI 80

Casambi / On board dimmer compatible

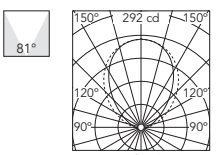
L: 1000 mm
06.5070.40
06.5070.05
06.5070.14



Luminous flux luminaire 419 lm

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

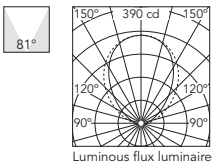
L: 1500 mm
06.5071.40
06.5071.05
06.5071.14



Luminous flux luminaire 629 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	292 1.72
2	73 3.44
3	32 5.15
4	18 6.87
5	12 8.59

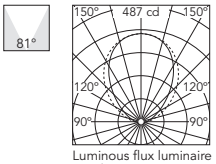
L: 2000 mm
06.5072.40
06.5072.05
06.5072.14



Luminous flux luminaire 838 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	390 1.72
2	97 3.44
3	43 5.15
4	24 6.87
5	16 8.59

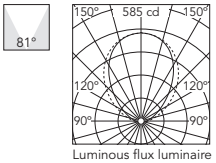
L: 2500 mm
06.5073.40
06.5073.05
06.5073.14



Luminous flux luminaire 1048 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	487 1.72
2	122 3.44
3	54 5.15
4	30 6.87
5	19 8.59

L: 3000 mm
06.5074.40
06.5074.14

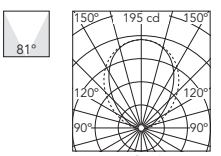


Luminous flux luminaire 1257 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	585 1.72
2	146 3.44
3	65 5.15
4	37 6.87
5	23 8.59

Casambi / DALI / 1-10V compatible

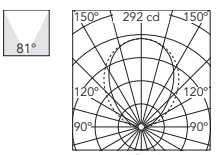
L: 1000 mm
06.5020.40
06.5020.05
06.5020.14



Luminous flux luminaire 419 lm

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

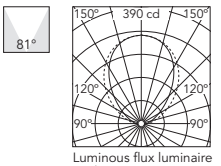
L: 1500 mm
06.5021.40
06.5021.05
06.5021.14



Luminous flux luminaire 629 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	292 1.72
2	73 3.44
3	32 5.15
4	18 6.87
5	12 8.59

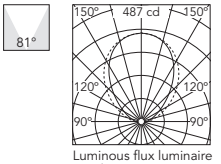
L: 2000 mm
06.5022.40
06.5022.05
06.5022.14



Luminous flux luminaire 838 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	390 1.72
2	97 3.44
3	43 5.15
4	24 6.87
5	16 8.59

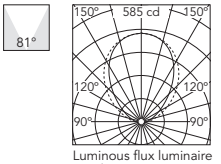
L: 2500 mm
06.5023.40
06.5023.05
06.5023.14



Luminous flux luminaire 1048 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	487 1.72
2	122 3.44
3	54 5.15
4	30 6.87
5	19 8.59

L: 3000 mm
06.5024.40
06.5024.14



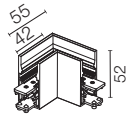
Luminous flux luminaire 1257 lm

Beam Angle:	81°
h(m)	E(lx) D(m)
1	585 1.72
2	146 3.44
3	65 5.15
4	37 6.87
5	23 8.59

Accessories / Accesorios

90° mechanical angle.
Two end suspension connections included. Steel cable not included. No lighting on the upper part. Upper part connections included.

Esquina mecánica 90°.
Dos conexiones finales de suspensión incluidas. Cable de acero no incluido. Sin iluminación en la parte superior. Conexiones de la parte superior incluidas.

☐ 06.5025.40
▨ 06.5025.05
■ 06.5025.14

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.

Kit de suspensión intermedio para unión de perfiles. Incluye la conexión eléctrica de la parte superior. Necesario conector intermedio, pedir por separado. Cable de acero no incluido.



■ 08.0627.00

Power connector. 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.

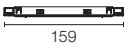
Conector alimentación. Incluye dos accesorios de suspensión para los extremos del perfil y cable eléctrico de 6 polos y 4 m. Cable de acero no incluido. Los accesorios de suspensión centrales vienen incluidos en el perfil.

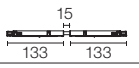



■ 08.0626.00

Intermediate connector.

Conector intermedio.



Straight
■ 08.0612.14

Flexible/Electrical corner
■ 08.0614.14

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado.
Kit de 2 unidades.



☐ 06.5026.40
▨ 06.5026.05
■ 06.5026.14

Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.

Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.



☐ 08.8883.40A
■ 08.8883.14A

Recessed power supply rose. Equipment, power cable and suspension cable not included. They must be ordered separately.

Rosetón de alimentación empotrado. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.



☐ 08.8889.40
■ 08.8889.14

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.
Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

Suspension rod with 1 m rose. m6 thread. Not applicable with a surface power box.

Varilla de suspensión de 1m con rosetón con fileteado m6. No aplicable con caja de alimentación de superficie.



☐ 60.3014.11
■ 60.3014.14

1m suspension rod extension set m6 thread.

Alargo para varilla de suspensión de 1m con fileteado m6.



☐ 60.3097.11
■ 60.3097.14

Number of fastening elements necessary (cables and connections): when linear profiles are joined, the number necessary for recessed installation is equal to the sum of the elements necessary for each profile minus one for each junction.
For surface installation, the number is equal to the sum of the elements.

Cantidad de elementos de fijación necesarios (cables o varillas): cuando se realice la unión de perfiles rectilíneos, la cantidad necesaria para instalaciones recessed resultará de la suma de los elementos necesarios por cada perfil menos uno por cada unión. Mientras que para las instalaciones "Surface" resultará de la suma de los elementos.

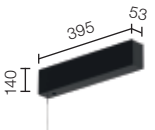


08.8634.00

Profile (mm)	Quantities Ceiling Kit
1000 / 1500	2
2000 / 2500	3
3000	4

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.

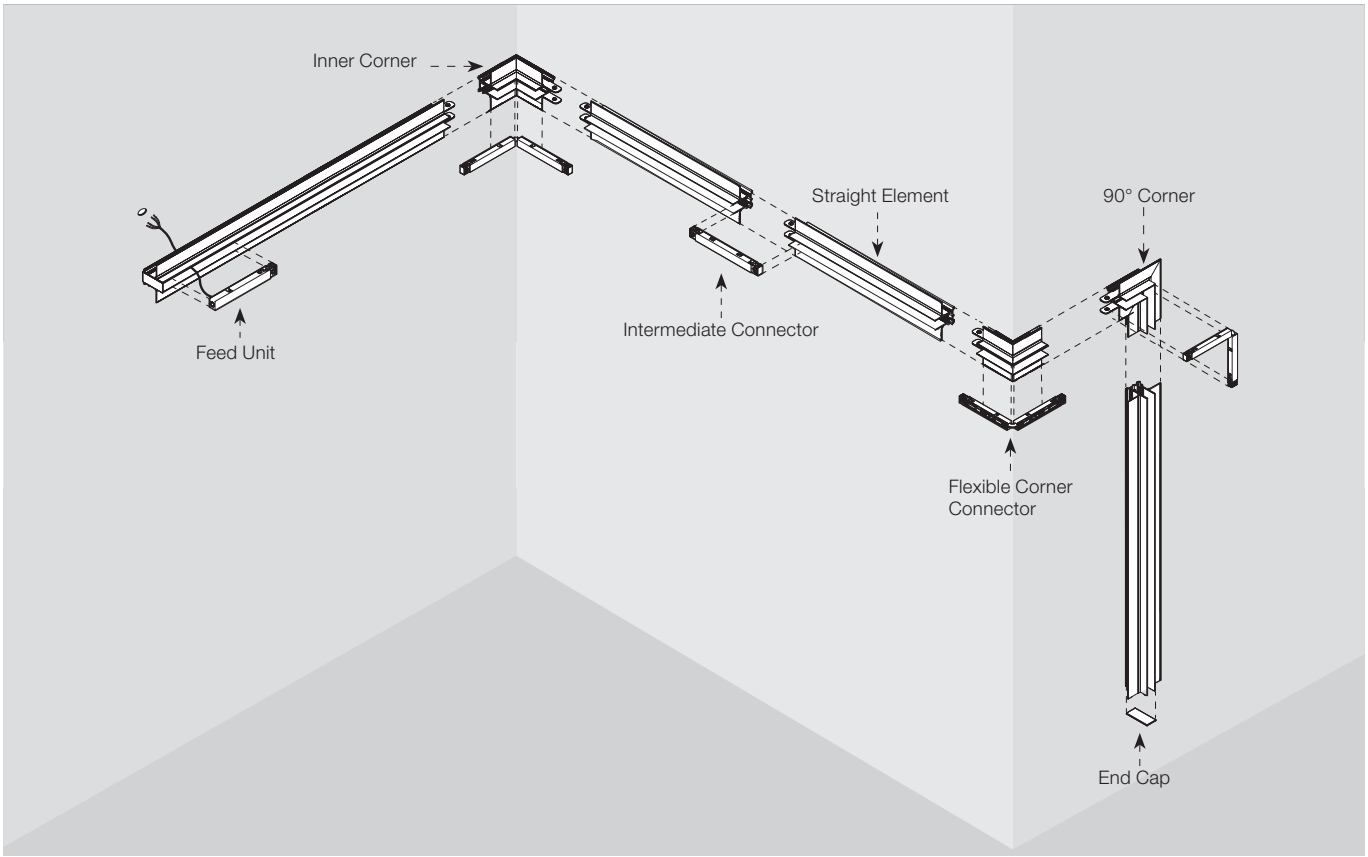
Caja de alimentación de superficie con equipo incluido 320W / 48Vdc. Cables de acero y eléctricos no incluidos. No válido para instalación con varillas de suspensión. DALI / 1-10V / 0-10V / No dim.



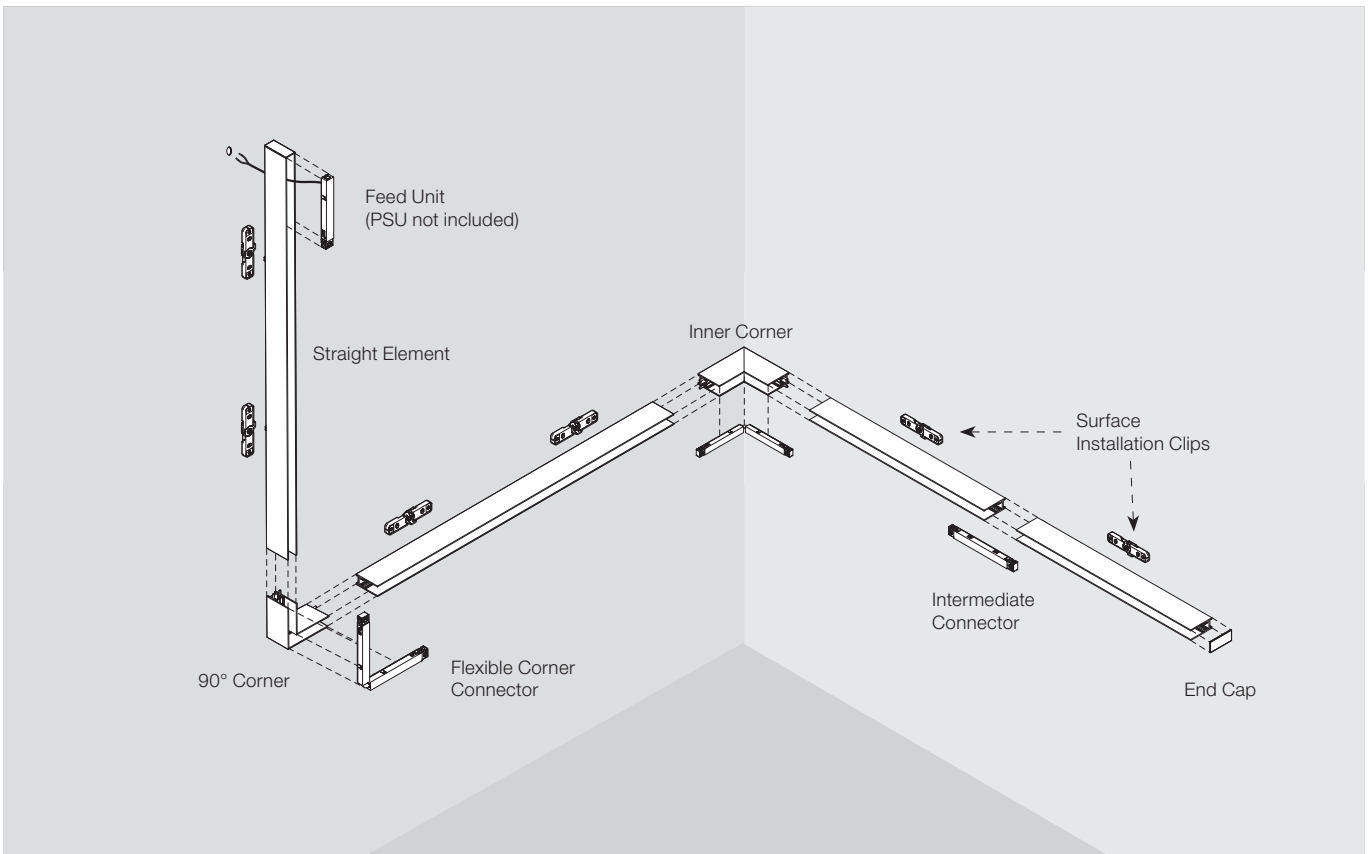
1-10V
☐ 08.0631.40
■ 08.0631.14

Dali Version
☐ 08.0632.40
■ 08.0632.14

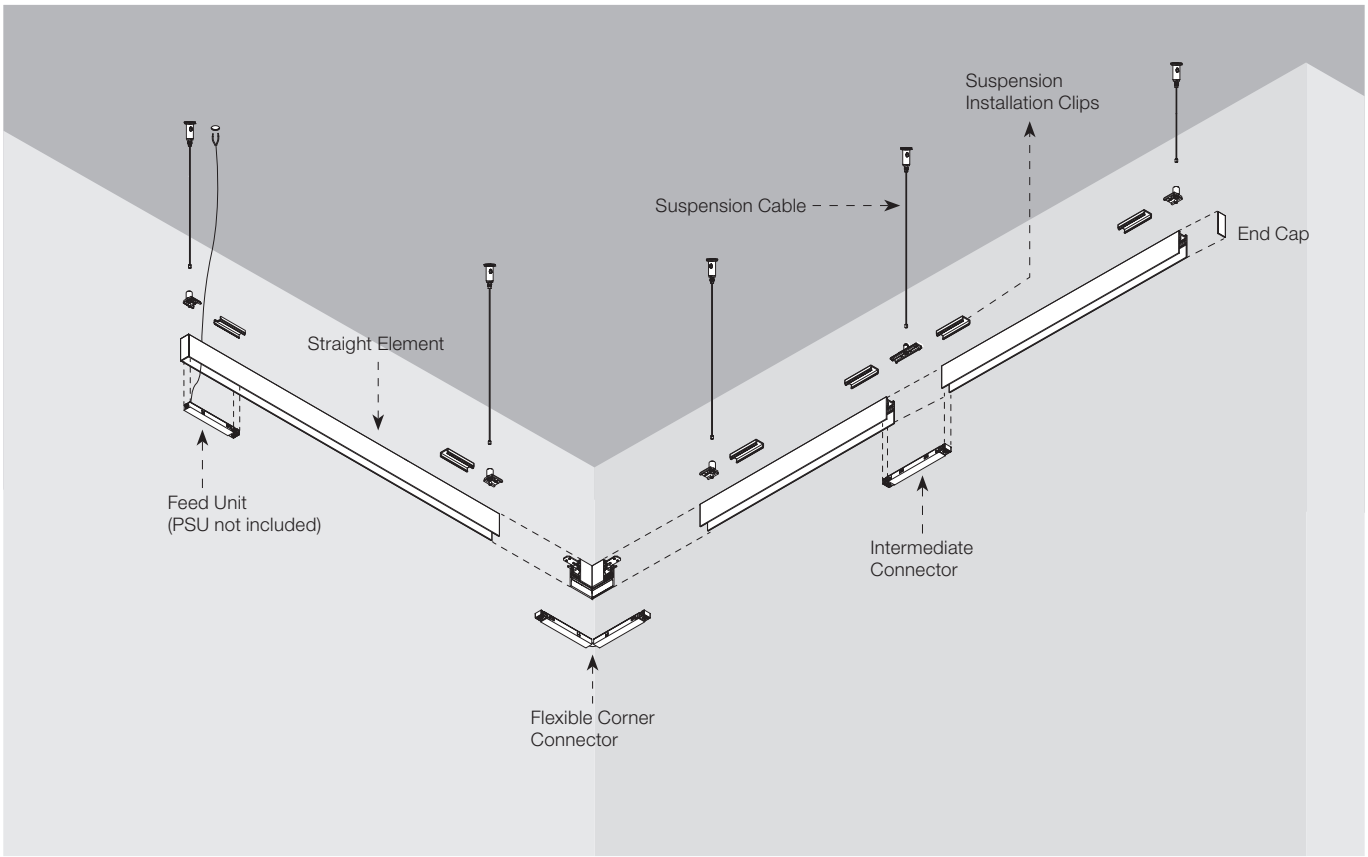
RECESSED INSTALLATION



SURFACE INSTALLATION



SUSPENSION INSTALLATION

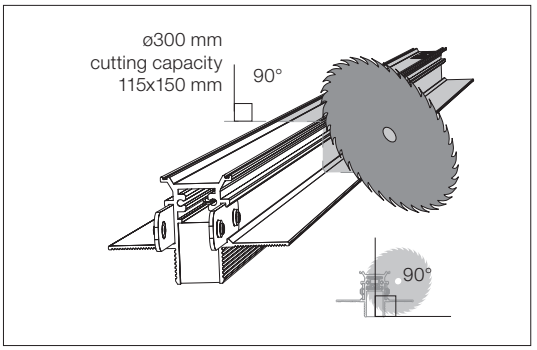


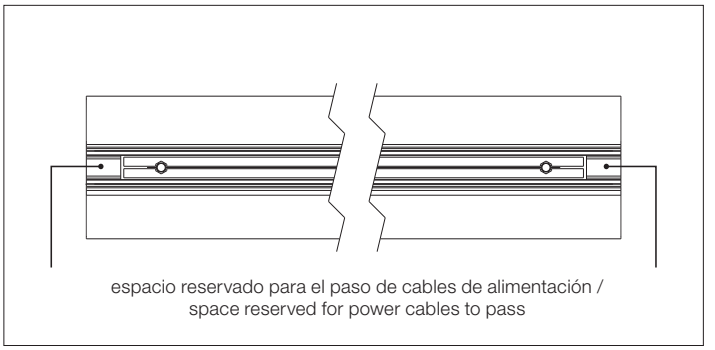
• Can I feed a structure directly from a corner?
Yes. One or two power connectors must be used for linear profiles along with the corner, depending on whether you want to power just one of the profiles connected to the corner or both profiles.

• Can I cut a profile?
Yes, profiles can be cut to the desired size, except for the Up & Down version. 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.

• ¿Puedo alimentar una estructura directamente desde una esquina?
Sí, hay que usar uno o dos conectores de alimentación para los perfiles lineales junto a la esquina, en función de si se quiere alimentar solo uno de los perfiles conectados al corner o los dos.

• ¿Puedo cortar un perfil?
Sí, los perfiles se pueden cortar a la medida deseada, salvo en las versiones Up&Down. Siempre hay que cortar respetando el espacio reservado para el paso del cable de alimentación. La continuidad eléctrica se realiza con el conector intermedio. En caso de necesitar una nueva alimentación tras el corte, se debe taladrar para el paso del cable de alimentación, en la zona sin pistas de grafito reservada a tal efecto y usar un conector de alimentación, nunca se debe taladrar a través de las pistas de grafito.





• 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.

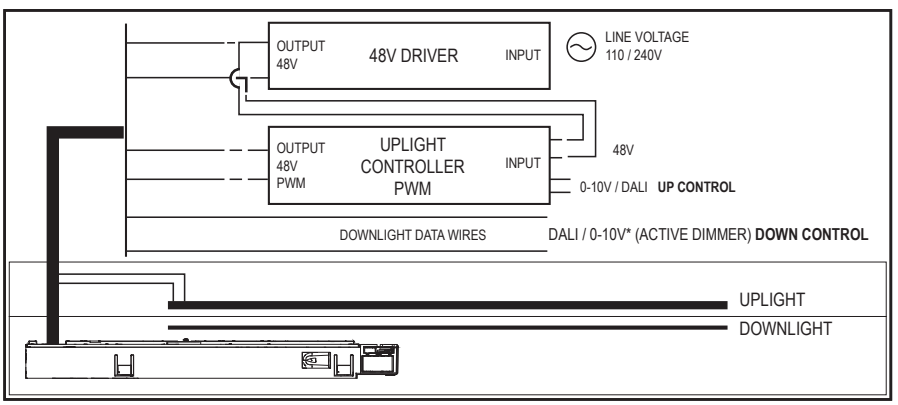
• Can I use a different, less powerful power supply?
All the information published on our website, catalogue and installation instructions meet the tests executed with the power sources recommended for our products. It must be a 48V power source with a maximum power of 320W.

• ¿Cuál es la distancia máxima permitida entre la fuente de alimentación y el perfil?
Con las fuentes de alimentación recomendadas, la distancia máxima permitida es:
. Cable de Ø1,5 mm: 3 m
. Cable de Ø2,5 mm: 5 m

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?
La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es 20 metros o la distancia resultante después de 7 interconexiones incluyendo los cortes.

• ¿Puedo utilizar una fuente de alimentación diferente - menos potente?
Toda la información publicada en nuestra web, catálogo e instrucciones de instalación se ajusta a los tests realizados con las fuentes de alimentación recomendadas para nuestros productos. Debe ser una fuente de alimentación de 48V con una potencia máxima de 320W.

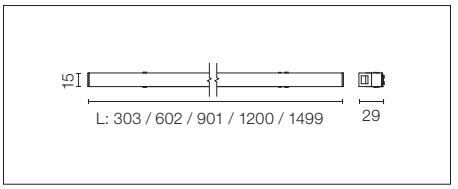
Up&Down Connection Scheme / Esquema de Conexión Up&Down



Light Stripe

Light Source: Top LED 20W/m - 1859 lm/m - 2700K/CRI 90 / 20W/m - 1967 lm/m - 3000K/CRI 90



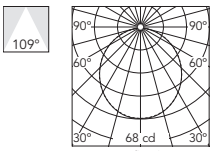




Diffused LED light module to be installed in The Tracking Magnet System. Opal end covers not included. They must be ordered separately (08.0125.00 - two units included).
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Tracking Magnet. Tapas finales opales no incluidas, pedir por separado (08.0125.00 - incluye dos unidades).
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

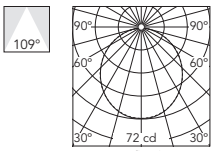
2700K
L: 300 mm - 6W - 558lm
On board dimmer
- 03.8000.14 *Dali2 Version
- 03.8000.14ADA *1-10V
- 03.8000.14.1V **Casambi integrated
- 03.8000.14.CB



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

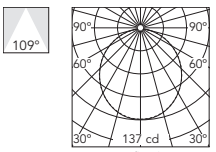
3000K
L: 300 mm - 6W - 590lm
On board dimmer
- 03.8005.14 *Dali2 Version
- 03.8005.14ADA *1-10V
- 03.8005.14.1V **Casambi integrated
- 03.8005.14.CB



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

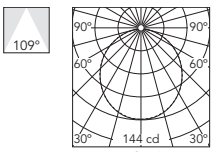
2700K
L: 600 mm - 12W - 1115lm
On board dimmer
- 03.8001.14 *Dali2 Version
- 03.8001.14ADA *1-10V
- 03.8001.14.1V **Casambi integrated
- 03.8001.14.CB



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

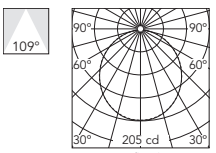
3000K
L: 600 mm - 12W - 1180lm
On board dimmer
- 03.8006.14 *Dali2 Version
- 03.8006.14ADA *1-10V
- 03.8006.14.1V **Casambi integrated
- 03.8006.14.CB



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

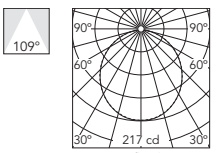
2700K
L: 900 mm - 18W - 1673lm
On board dimmer
- 03.8002.14 *Dali2 Version
- 03.8002.14ADA *1-10V
- 03.8002.14.1V **Casambi integrated
- 03.8002.14.CB



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

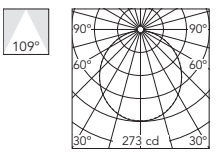
3000K
L: 900 mm - 18W - 1770lm
On board dimmer
- 03.8007.14 *Dali2 Version
- 03.8007.14ADA *1-10V
- 03.8007.14.1V **Casambi integrated
- 03.8007.14.CB



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

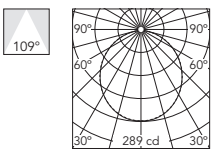
2700K
L: 1200 mm - 24W - 2230lm
On board dimmer
- 03.8003.14 *Dali2 Version
- 03.8003.14ADA *1-10V
- 03.8003.14.1V **Casambi integrated
- 03.8003.14.CB



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

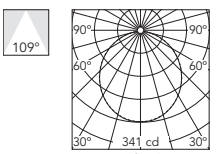
3000K
L: 1200 mm - 24W - 2360lm
On board dimmer
- 03.8008.14 *Dali2 Version
- 03.8008.14ADA *1-10V
- 03.8008.14.1V **Casambi integrated
- 03.8008.14.CB



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

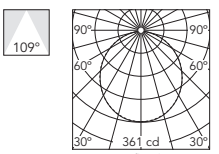
2700K
L: 1500 mm - 30W - 2788lm
On board dimmer
- 03.8004.14 *Dali2 Version
- 03.8004.14ADA *1-10V
- 03.8004.14.1V **Casambi integrated
- 03.8004.14.CB



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 *Dali2 Version
- 03.8009.14ADA *1-10V
- 03.8009.14.1V **Casambi integrated
- 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

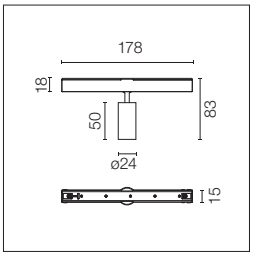
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

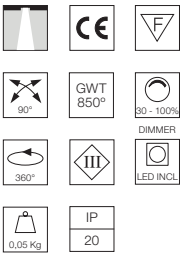
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 50

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







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.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

2700K

On board dimmer

- 03.8032.40A
- 03.8032.05A
- 03.8032.14A

*Dali2 Version

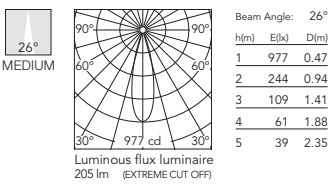
- 03.8032.40ADA
- 03.8032.05ADA
- 03.8032.14ADA

*1-10V

- 03.8032.40A1V
- 03.8032.05A1V
- 03.8032.14A1V

**Casambi integrated

- 03.8032.40ACB
- 03.8032.05ACB
- 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
- 03.8033.05A
- 03.8033.14A

*Dali2 Version

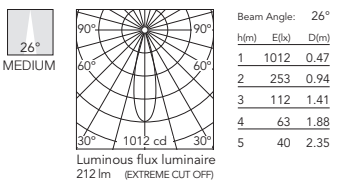
- 03.8033.40ADA
- 03.8033.05ADA
- 03.8033.14ADA

*1-10V

- 03.8033.40A1V
- 03.8033.05A1V
- 03.8033.14A1V

**Casambi integrated

- 03.8033.40ACB
- 03.8033.05ACB
- 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

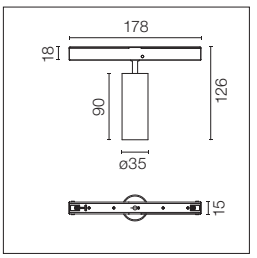
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

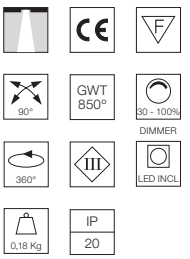
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Spot 90

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







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.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

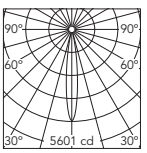
2700K
On board dimmer
- 03.8042.40A
- 03.8042.05A
- 03.8042.14A

*Dali2 Version
- 03.8042.40ADA
- 03.8042.05ADA
- 03.8042.14ADA

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

**Casambi integrated
- 03.8042.40ACB
- 03.8042.05ACB
- 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

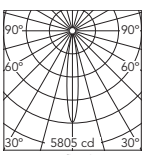
3000K
On board dimmer
- 03.8043.40A
- 03.8043.05A
- 03.8043.14A

*Dali2 Version
- 03.8043.40ADA
- 03.8043.05ADA
- 03.8043.14ADA

*1-10V
- 03.8043.40A1V
- 03.8043.05A1V
- 03.8043.14A1V

**Casambi integrated
- 03.8043.40ACB
- 03.8043.05ACB
- 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

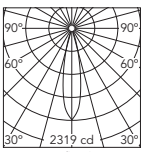
2700K
On board dimmer
- 03.8044.40A
- 03.8044.05A
- 03.8044.14A

*Dali2 Version
- 03.8044.40ADA
- 03.8044.05ADA
- 03.8044.14ADA

*1-10V
- 03.8044.40A1V
- 03.8044.05A1V
- 03.8044.14A1V

**Casambi integrated
- 03.8044.40ACB
- 03.8044.05ACB
- 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

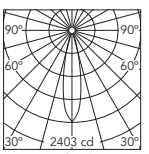
3000K
On board dimmer
- 03.8045.40A
- 03.8045.05A
- 03.8045.14A

*Dali2 Version
- 03.8045.40ADA
- 03.8045.05ADA
- 03.8045.14ADA

*1-10V
- 03.8045.40A1V
- 03.8045.05A1V
- 03.8045.14A1V

**Casambi integrated
- 03.8045.40ACB
- 03.8045.05ACB
- 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

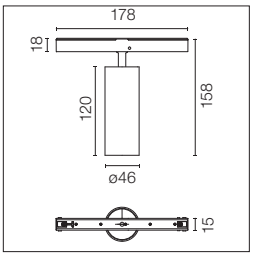
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

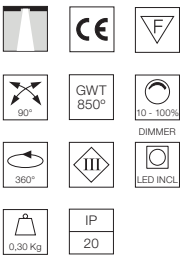
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Spot 120

Light Source: Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90







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.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

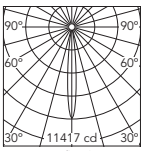
2700K
On board dimmer
- 03.8052.40A
- 03.8052.05A
- 03.8052.14A

*Dali2 Version
- 03.8052.40ADA
- 03.8052.05ADA
- 03.8052.14ADA

*1-10V
- 03.8052.40A1V
- 03.8052.05A1V
- 03.8052.14A1V

**Casambi integrated
- 03.8052.40ACB
- 03.8052.05ACB
- 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

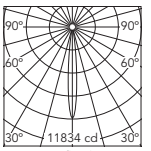
3000K
On board dimmer
- 03.8053.40A
- 03.8053.05A
- 03.8053.14A

*Dali2 Version
- 03.8053.40ADA
- 03.8053.05ADA
- 03.8053.14ADA

*1-10V
- 03.8053.40A1V
- 03.8053.05A1V
- 03.8053.14A1V

**Casambi integrated
- 03.8053.40ACB
- 03.8053.05ACB
- 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

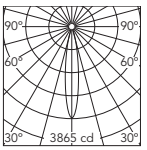
2700K
On board dimmer
- 03.8054.40A
- 03.8054.05A
- 03.8054.14A

*Dali2 Version
- 03.8054.40ADA
- 03.8054.05ADA
- 03.8054.14ADA

*1-10V
- 03.8054.40A1V
- 03.8054.05A1V
- 03.8054.14A1V

**Casambi integrated
- 03.8054.40ACB
- 03.8054.05ACB
- 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

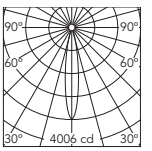
3000K
On board dimmer
- 03.8055.40A
- 03.8055.05A
- 03.8055.14A

*Dali2 Version
- 03.8055.40ADA
- 03.8055.05ADA
- 03.8055.14ADA

*1-10V
- 03.8055.40A1V
- 03.8055.05A1V
- 03.8055.14A1V

**Casambi integrated
- 03.8055.40ACB
- 03.8055.05ACB
- 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

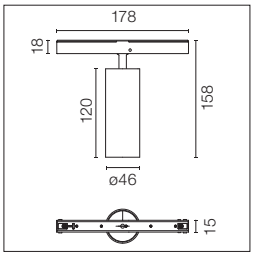
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

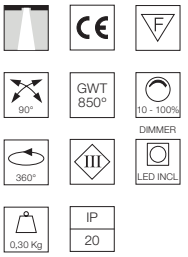
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Spot 120

Light Source: LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90







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.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

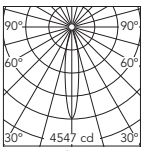
2700K
On board dimmer
- 03.8154.40
- 03.8154.05
- 03.8154.14

*Dali2 Version
- 03.8154.40ADA
- 03.8154.05ADA
- 03.8154.14ADA

*1-10V
- 03.8154.40.1V
- 03.8154.05.1V
- 03.8154.14.1V

**Casambi integrated
- 03.8154.40.CB
- 03.8154.05.CB
- 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

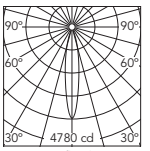
3000K
On board dimmer
- 03.8155.40
- 03.8155.05
- 03.8155.14

*Dali2 Version
- 03.8155.40ADA
- 03.8155.05ADA
- 03.8155.14ADA

*1-10V
- 03.8155.40.1V
- 03.8155.05.1V
- 03.8155.14.1V

**Casambi integrated
- 03.8155.40.CB
- 03.8155.05.CB
- 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

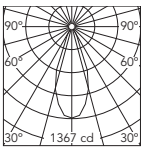
2700K
On board dimmer
- 03.8156.40
- 03.8156.05
- 03.8156.14

*Dali2 Version
- 03.8156.40ADA
- 03.8156.05ADA
- 03.8156.14ADA

*1-10V
- 03.8156.40.1V
- 03.8156.05.1V
- 03.8156.14.1V

**Casambi integrated
- 03.8156.40.CB
- 03.8156.05.CB
- 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

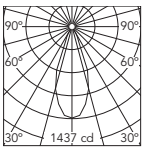
3000K
On board dimmer
- 03.8157.40
- 03.8157.05
- 03.8157.14

*Dali2 Version
- 03.8157.40ADA
- 03.8157.05ADA
- 03.8157.14ADA

*1-10V
- 03.8157.40.1V
- 03.8157.05.1V
- 03.8157.14.1V

**Casambi integrated
- 03.8157.40.CB
- 03.8157.05.CB
- 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

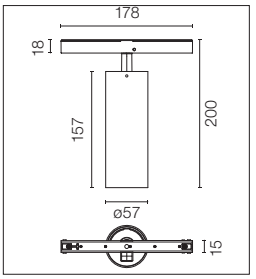
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

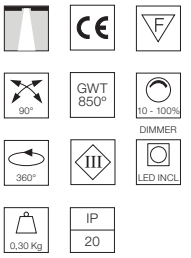
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 150

Light Source: LED Array 22,5W - 2000 lm - 2700K/CRI 90 / 22,5W - 2115 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

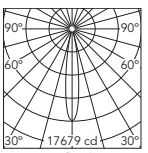
2700K
On board dimmer
- 03.8072.40
- 03.8072.05
- 03.8072.14

*Dali2 Version
- 03.8072.40ADA
- 03.8072.05ADA
- 03.8072.14ADA

*1-10V
- 03.8072.40.1V
- 03.8072.05.1V
- 03.8072.14.1V

**Casambi integrated
- 03.8072.40.CB
- 03.8072.05.CB
- 03.8072.14.CB

16° SPOT



Luminous flux luminaire 1910 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17679	0.28
2	4420	0.56
3	1964	0.84
4	1105	1.12
5	707	1.40

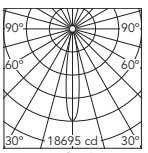
3000K
On board dimmer
- 03.8073.40
- 03.8073.05
- 03.8073.14

*Dali2 Version
- 03.8073.40ADA
- 03.8073.05ADA
- 03.8073.14ADA

*1-10V
- 03.8073.40.1V
- 03.8073.05.1V
- 03.8073.14.1V

**Casambi integrated
- 03.8073.40.CB
- 03.8073.05.CB
- 03.8073.14.CB

16° SPOT



Luminous flux luminaire 2019 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18695	0.28
2	4674	0.56
3	2077	0.84
4	1168	1.12
5	748	1.40

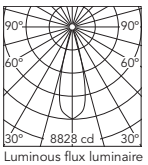
2700K
On board dimmer
- 03.8074.40
- 03.8074.05
- 03.8074.14

*Dali2 Version
- 03.8074.40ADA
- 03.8074.05ADA
- 03.8074.14ADA

*1-10V
- 03.8074.40.1V
- 03.8074.05.1V
- 03.8074.14.1V

**Casambi integrated
- 03.8074.40.CB
- 03.8074.05.CB
- 03.8074.14.CB

28° MEDIUM



Luminous flux luminaire 1910 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8828	0.50
2	2207	1.00
3	981	1.50
4	552	2.00
5	353	2.50

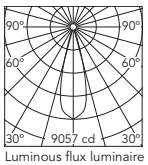
3000K
On board dimmer
- 03.8075.40
- 03.8075.05
- 03.8075.14

*Dali2 Version
- 03.8075.40ADA
- 03.8075.05ADA
- 03.8075.14ADA

*1-10V
- 03.8075.40.1V
- 03.8075.05.1V
- 03.8075.14.1V

**Casambi integrated
- 03.8075.40.CB
- 03.8075.05.CB
- 03.8075.14.CB

28° MEDIUM



Luminous flux luminaire 1959 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	9057	0.50
2	2264	1.00
3	1006	1.50
4	566	2.00
5	362	2.50

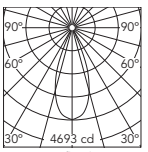
2700K
On board dimmer
- 03.8076.40
- 03.8076.05
- 03.8076.14

*Dali2 Version
- 03.8076.40ADA
- 03.8076.05ADA
- 03.8076.14ADA

*1-10V
- 03.8076.40.1V
- 03.8076.05.1V
- 03.8076.14.1V

**Casambi integrated
- 03.8076.40.CB
- 03.8076.05.CB
- 03.8076.14.CB

40° FLOOD



Luminous flux luminaire 1853 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4693	0.73
2	1173	1.46
3	521	2.18
4	293	2.91
5	188	3.64

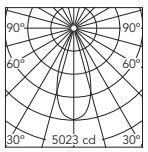
3000K
On board dimmer
- 03.8077.40
- 03.8077.05
- 03.8077.14

*Dali2 Version
- 03.8077.40ADA
- 03.8077.05ADA
- 03.8077.14ADA

*1-10V
- 03.8077.40.1V
- 03.8077.05.1V
- 03.8077.14.1V

**Casambi integrated
- 03.8077.40.CB
- 03.8077.05.CB
- 03.8077.14.CB

40° FLOOD



Luminous flux luminaire 1983 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	5023	0.73
2	1256	1.46
3	558	2.18
4	314	2.91
5	201	3.64

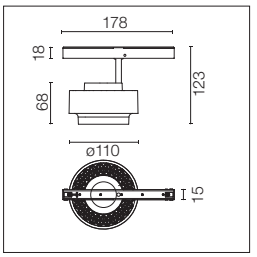
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

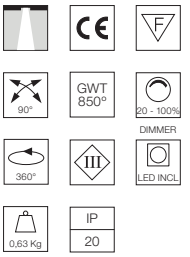
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Anthony Spot Track By Antonio Citterio

Light Source: LED Array 16,5W - 1620 lm - 2700K/CRI 90 / 16,5W - 1730 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Ver accesorios disponibles.

2700K

On board dimmer

- 03.8025.40
- 03.8025.05
- 03.8025.14

*Dali2 Version

- 03.8025.40ADA
- 03.8025.05ADA
- 03.8025.14ADA

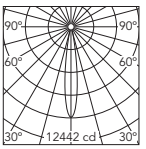
*1-10V

- 03.8025.40.1V
- 03.8025.05.1V
- 03.8025.14.1V

**Casambi integrated

- 03.8025.40.CB
- 03.8025.05.CB
- 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
- 03.8027.05
- 03.8027.14

*Dali2 Version

- 03.8027.40ADA
- 03.8027.05ADA
- 03.8027.14ADA

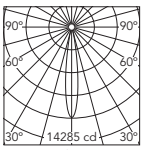
*1-10V

- 03.8027.40.1V
- 03.8027.05.1V
- 03.8027.14.1V

**Casambi integrated

- 03.8027.40.CB
- 03.8027.05.CB
- 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
- 03.8026.05
- 03.8026.14

*Dali2 Version

- 03.8026.40ADA
- 03.8026.05ADA
- 03.8026.14ADA

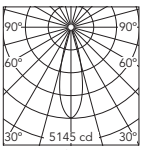
*1-10V

- 03.8026.40.1V
- 03.8026.05.1V
- 03.8026.14.1V

**Casambi integrated

- 03.8026.40.CB
- 03.8026.05.CB
- 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
- 03.8028.05
- 03.8028.14

*Dali2 Version

- 03.8028.40ADA
- 03.8028.05ADA
- 03.8028.14ADA

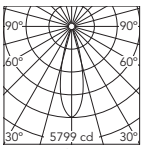
*1-10V

- 03.8028.40.1V
- 03.8028.05.1V
- 03.8028.14.1V

**Casambi integrated

- 03.8028.40.CB
- 03.8028.05.CB
- 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

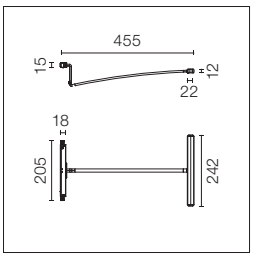
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

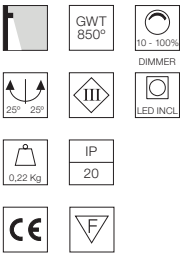
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Wallee Designed By Niels Bendtsen

Light Source: Top LED 10W - 773 lm - 2700K/CRI 90 / 10W - 818 lm - 3000K/CRI 90







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.

Módulo de iluminación LED para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

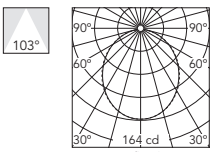
Al instalar Wallee, puede que requiera un ajuste manual por parte del cliente/instalador. Puede encontrar la información sobre cómo realizar este ajuste en las hojas de instrucciones.
Solo permitido para instalaciones con Tracking Magnet Recessed y en horizontal.
Incluye soporte para cuadros de hasta 5kg.

2700K
On board dimmer
- 03.8090.40
- 03.8090.14

*Dali2 Version
- 03.8090.40ADA
- 03.8090.14ADA

*1-10V
- 03.8090.40.1V
- 03.8090.14.1V

**Casambi integrated
- 03.8090.40.CB
- 03.8090.14.CB



Luminous flux luminaire
431 lm

Beam Angle: 103°

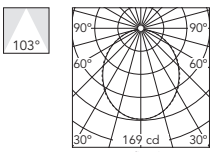
h(m)	E(lx)	D(m)
1	164	2.50
2	41	5.00
3	18	7.49
4	10	9.99
5	7	12.49

3000K
On board dimmer
- 03.8091.40
- 03.8091.14

*Dali2 Version
- 03.8091.40ADA
- 03.8091.14ADA

*1-10V
- 03.8091.40.1V
- 03.8091.14.1V

**Casambi integrated
- 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

Accesorios / Accessories

Spot 150***

Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40 08.0526.BW

Anthony Spot

Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35º) order Anthony Spot Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35º) pedir Anthony Spot Medium + lente flood.		08.0050.00

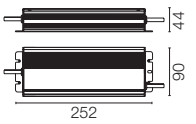
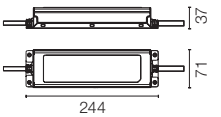
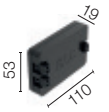
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

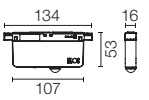
*** Except chrome finish

NEW

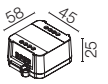
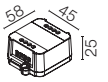
Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.			***60.8919
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.			***60.9607
Dimmable control box 1-10V, 48V. Necessary to transform sink 1-10V control systems into source ones. For remote installation.	Caja de control dimable 1-10V, 48V. Necesario para transformar sistemas de control 1-10V pasivos (sink) en activos (source). Para instalación remota.			■ 08.0613.14A

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). / Es necesario un sistema de control activo (SOURCE) y conectar el bus de datos de control directamente al perfil. Para sistemas pasivos (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril).

Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.	Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia. FLOS Control® by Casambi.			□ 06.1988.40 ■ 06.1988.14

The Tracking Magnet Suspension Up&Down version

DALI Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).	Uplight dimmer DALI Push 48V PWM para control de la iluminación indirecta (UP).			60.9678
1-10V Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).	Uplight dimmer 1-10V Push 48V PWM para control de la iluminación indirecta (UP).			60.9395

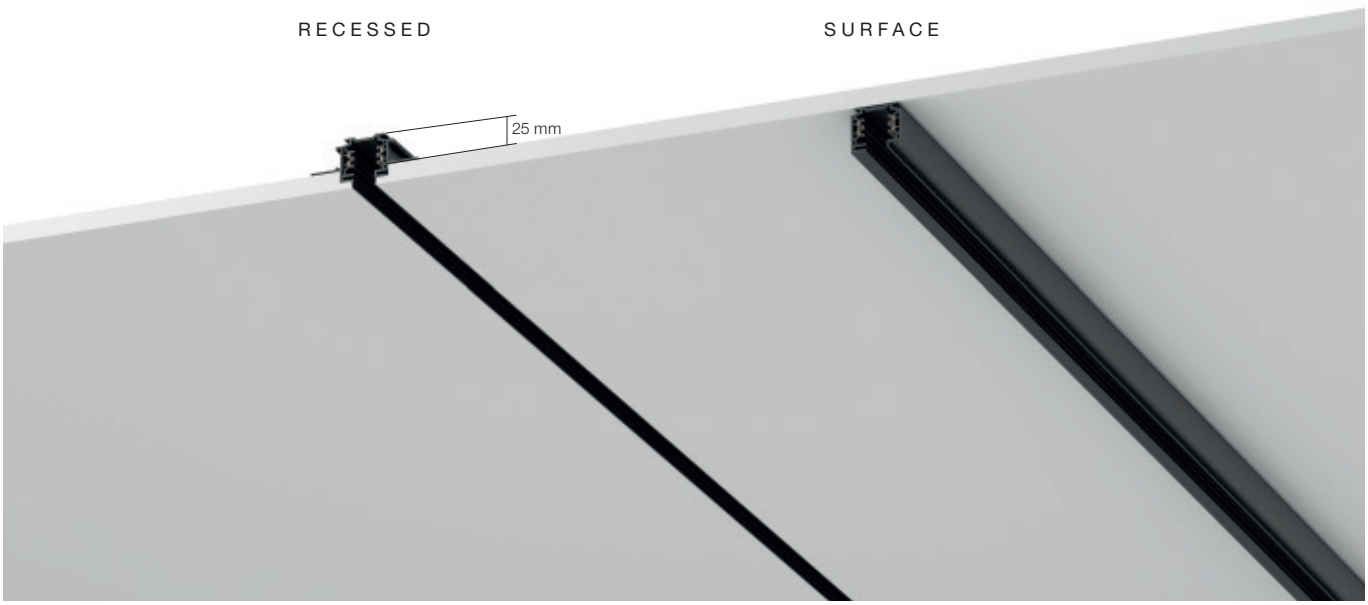
*** For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source. / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

THE TRACKING POWER

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles ■ 14 Black
14 Negro

Surface Profiles □ 40 White
40 Blanco

■ 14 Black
14 Negro

LIGHT MODULES

UT PRO 150



◪ □

LIGHT SOURCE
LED ARRAY
23,5W
2400 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT PRO 175



◪ □

LIGHT SOURCE
LED ARRAY
35,3W
4145 lm
3000K/CRI 80
3425 lm
3000K/CRI 90
3569 lm
4000K/CRI 90

UT PRO 175 LENS



◪ □

LIGHT SOURCE
LED ARRAY
35,3W
3950 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3400 lm
4000K/CRI 90

UT PRO WALL-WASHER



◪ □

LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

UT PRO 150 GA-69



◪ □

LIGHT SOURCE
LED ARRAY
23,5W
2300 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2009 lm
4000K/CRI 90

UT PRO 175 GA-69



◪ □

LIGHT SOURCE
LED ARRAY
35,3W
4145 lm
3000K/CRI 80
3425 lm
3000K/CRI 90
3569 lm
4000K/CRI 90

UT PRO 175 LENS GA-69



◪ □

LIGHT SOURCE
LED ARRAY
35,3W
3950 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3400 lm
4000K/CRI 90

UT PRO WALL-WASHER GA-69



◪ □

LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

Description
Exclusive 3-phase lighting profile for indoor use in ceiling recessed version which, thanks to its low visual impact, offers a complete integration into the architecture.
Tracking Power's structural profiles are manufactured in black extruded aluminium, fitted with electric tracks where luminaries are installed using the exclusive Flos mounting system.
Once the track has been installed, only a 15 mm thick line is noticeable.
The Tracking Power 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.
Standard 3-phase tracks solutions available, cannot be remotely dimmed.

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 175 Lens incorporates an adjustable lens which allows regulating the opening angle from 13° to 56°.
The light module UT Pro Wall-Washer brings a uniform light distribution in a high-performance wall-washer.

Accessories
Shielding cylinder, elliptical lens, flood and honeycomb lens for accent lighting modules UT Pro 150 and UT Pro 175 available.

Additional Information
All luminaries have incorporated a small adapter that, once installed, is completely integrated within the profile, especially designed for FLOS profile The Tracking Power.
Luminaires with standard adapter Nordic GA69 for installation in FLOS standard 3-phase tracks available.
Guaranteed compatibility with 3-phase tracks manufactured by Nordic, Eutrac, Erco, Zumtobel and iGuzzini.
Moreover, all the luminaries are available in surface version allowing to be fitted flush to the ceiling.
- UT Pro 150, UT Pro 175 and UT Pro 175 Lens:
Possibility of 360° rotation in the vertical axis and 90° rotation in the horizontal axis. Blocking mechanism for horizontal axis integrated.
IP20 protection grade.
- UT Pro Wall-Washer:
Possibility of 360° rotation in vertical axis and 15° rotation in horizontal axis.
Dali version available with GA-600 adaptor.
IP20 protection grade.
- Profile:
Can only be installed in 12.5mm thick plaster-board.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Exclusivo perfil trifásico de iluminación para interiores en versión empotrada en techo, que gracias a su bajo impacto visual, ofrece una total integración en la arquitectura.
Los perfiles estructurales del Tracking Power han sido realizados con aluminio extruido en negro, provistos de pistas eléctricas sobre las cuales se instalan las luminarias mediante el sistema exclusivo de fijación Flos.
Una vez instalado el perfil, solo se observa una pequeña línea de 15 mm de grosor.
La familia Tracking Power se completa con una amplia gama de proyectores que, combinados con una electrónica exclusiva integrada en el cuerpo de la luminaria eliminan volúmenes innecesarios y consiguen, como resultado, una gran integración.
Disponibles soluciones para perfiles trifásicos estándar y no admite regulación remota.

Sistema Óptico
Los módulos de luz UT Pro 150 y UT Pro 175 se encuentran disponibles con ópticas spot, medium y flood e incorporan reflector de cristal de borosilicato de alta eficiencia.
El módulo de luz UT Pro 175 Lens incorpora una lente ajustable que permite regular el ángulo de apertura de 13° a 56°.
El módulo de luz UT Pro Wall-Washer proporciona una distribución luminosa homogénea, convirtiéndose en un bañador de paredes de altas prestaciones.

Accesorios
Disponible cruceta de apantallamiento, lente elíptica, lente flood y honeycomb para los módulos de iluminación de acento UT Pro 150 y UT Pro 175.

Información Adicional
Todas las luminarias montan adaptador de reducidas dimensiones que una vez instalado se integra en su totalidad dentro del perfil, especialmente diseñado para utilización en perfil FLOS The Tracking Power.
Disponibles luminarias con adaptador estándar Nordic GA69 para instalación en perfiles trifásicos estándar de FLOS. Compatibilidad garantizada con perfiles trifásicos fabricados por Nordic, Eutrac, Erco, Zumtobel e iGuzzini.
- UT Pro 150, UT Pro 175, UT Pro 175 Lens:
Posibilidad de rotación 360° en eje vertical y 90° en eje horizontal. Mecanismo de bloqueo para el eje horizontal incorporado.
Índice de protección IP20.
- UT Pro Wall-Washer:
Posibilidad de rotación 360° en eje vertical y 15° en el eje horizontal.
Disponible versión Dali con adaptador GA-600.
Índice de protección IP20.
- Perfil:
Únicamente instalable en techos de cartón-yeso de 12,5mm de espesor.
Instalable sobre superficies normalmente inflamables.

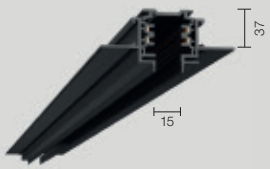
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

2 COMPLETE WITH MOUNTING ACCESSORIES

RECESSED PROFILE



L: 1 / 2 / 3 / 4 m

Mains feed connector and End Cap



Right or Left

Feed 90° Corner



Right or Left
Electrical / mechanical joint

Intermediate connector



Straight

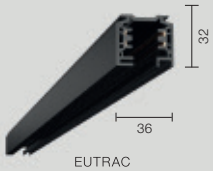
Recessed installation

Accessories

Adjustable ceiling kit
(Optional)



SURFACE/SUSPENSION DOWN PROFILE



EUTRAC

L: 1 / 2 / 3 m

Mains feed connector



Right Left

End cap



Intermediate connector



Feed 90° Corner



Earth outside



Earth inside

Surface installation

Accessories

Ceiling fixing kit



Suspension installation

Ceiling fixing kit



+

Suspension kit



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 175 Lens



On board dimmer

Lens in / Lens out

UT Pro Wall-Washer



Non dimmable

Wall-Washer

UT Pro 150



On board dimmer

S/M/F

UT Pro 175



On board dimmer

S/M/F

UT Pro 175 Lens



On board dimmer

Lens in / Lens out

UT Pro Wall-Washer



Non dimmable

Wall-Washer

UT Pro 150 GA-69



On board dimmer

S/M/F

UT Pro 175 GA-69



On board dimmer

S/M/F

UT Pro 175 Lens GA-69



On board dimmer

Lens in / Lens out

UT Pro Wall-Washer GA-69



Non dimmable

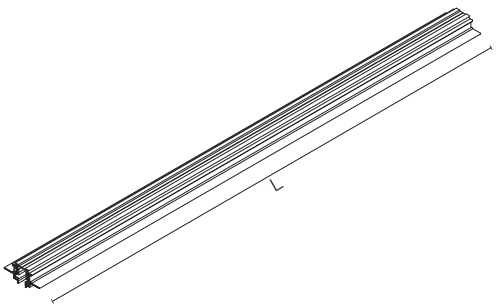
Wall-Washer

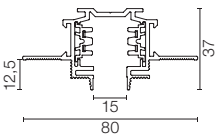
Profiles

Three-phase profile with minimum impact on the architecture (15 mm) for embedded installations in plasterboard ceilings.
Linear profiles available in four lengths: 1 m, 2 m, 3 m and 4 m.
90º 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.
End caps included in the power supply connectors.
The fastening of the Tracking Power 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 profile can be installed before the suspended plasterboard.

Perfiles

Perfil trifásico con mínimo impacto en la arquitectura (15 mm), para instalaciones empotradas en techos de cartón yeso.
Perfiles lineales disponibles en cuatro longitudes: 1 m, 2 m, 3 m y 4 m.
Disponibles esquinas de 90º en el mismo plano (diferentes elementos para esquina izquierda y derecha).
Necesario conector intermedio lineal para conectar varios perfiles.
Conectores de alimentación disponibles para instalación en lado izquierdo o derecho.
Tapas incluidas en los conectores de alimentación.
La fijación del Tracking Power se realiza atornillando las alas del perfil a la superficie de cartón yeso ayudándose de perfiles de aluminio de sujeción.
El kit de sujeción a techo ajustable (opcional) permite la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Tracking Power antes que el falso techo de cartón yeso.





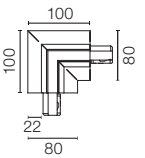
L: 1000 mm
06.1800.14
L: 2000 mm
06.1801.14
L: 3000 mm
06.1802.14
L: 4000 mm
06.1803.14

L: 1 m / 2 m / 3 m / 4 m

90° Corner.
With electrical feeding connection.

Esquina 90°.
Con conexión de alimentación eléctrica.



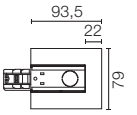


Right
06.1804.14
Left
06.1805.14

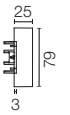
Feed connector. End cap included.

Conector alimentación. Tapa incluida.









Right
06.1807.14
Left
06.1806.14

Intermediate linear connector.

Conector lineal intermedio.

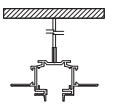


60.3319.14

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.





08.8439.14

Profile (mm)	Quantities Ceiling Kit
1000	1
2000	2
3000	3
4000	4

Profiles

Three-phase profile for standard EUTRAC surface installations compatible with Tracking Power light fixtures.

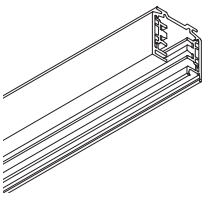
Perfiles

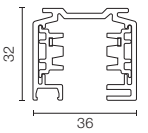
Perfil trifásico para instalaciones en superficie estándar EUTRAC, compatible con luminarias del sistema Tracking Power.



IP 20

L: 1 m / 2 m / 3 m





1000 mm
60.3330.11A
60.3330.14

2000 mm
60.3331.11A
60.3331.14

3000 mm
60.3336.11A
60.3336.14

Feed connector.

Conector alimentación.







Right
60.3317.11A
60.3317.14

Left
60.3318.11A
60.3318.14

Intermediate linear connector.

Conector lineal intermedio.





60.3319.11A
60.3319.14

End cap.

Tapa.





60.3333.11A
60.3333.14

90° Corner.
With electrical feeding connection.

Esquina 90°.
Con conexión de alimentación eléctrica.







Earth Outside
60.3320.11A
60.3320.14

Earth Inside
60.3321.11A
60.3321.14

Ceiling fixture or fixture for suspension kit.

Fijación a techo o para kit de suspensión.



60.3351.11A
60.3351.14

Suspension kit, 1.5 m cable. Order together with 60.3351.

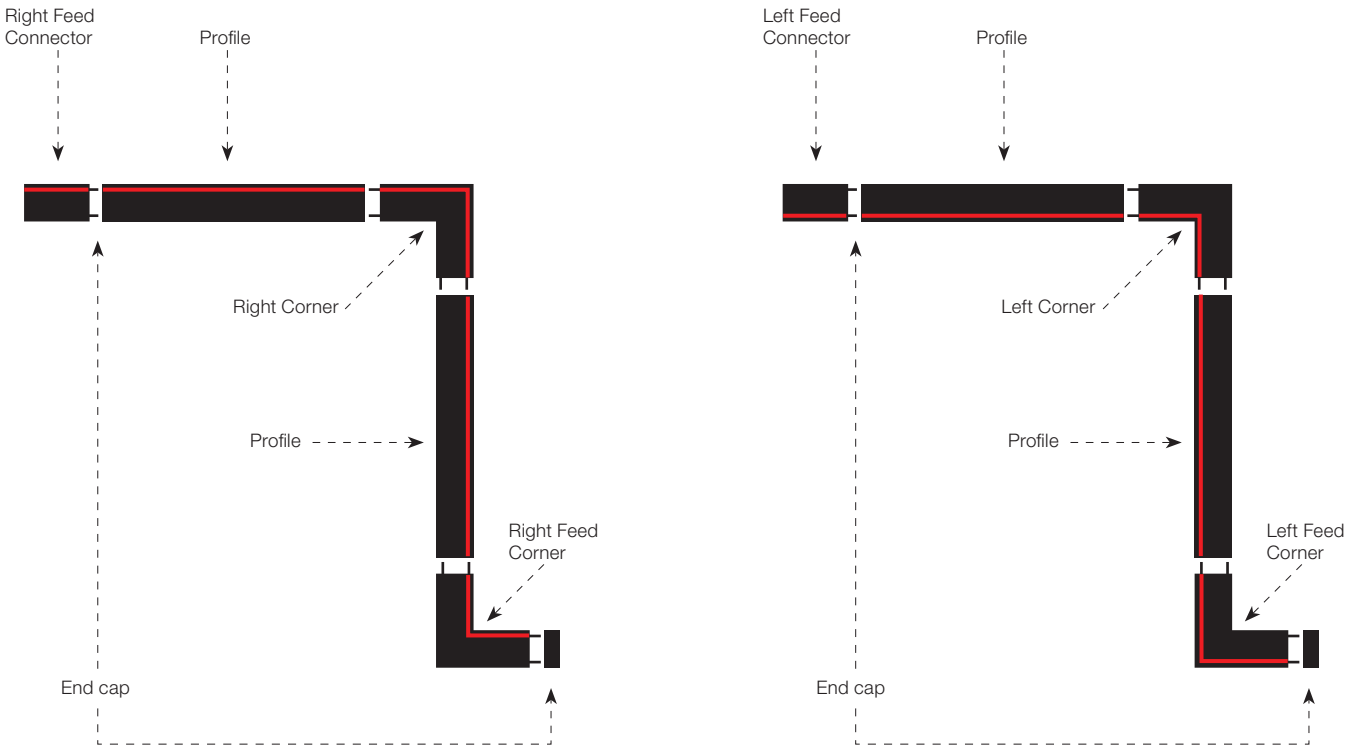
Kit de suspensión, cable 1.5 m.
Pedir conjuntamente con 60.3351.



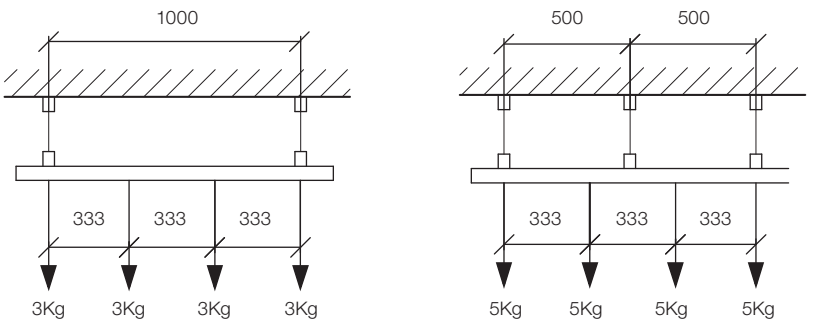
60.3345

The Tracking Power 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.

Para garantizar la seguridad eléctrica en la instalación, el perfil de Tracking Power es asimétrico y ofrece una forma única para la instalación de las luminarias.
En el diagrama se muestra la posición del Perfil neutro (línea roja) para las distintas configuraciones posibles, que ha de componerse de acuerdo a los requisitos de cada instalación, respetando la continuidad eléctrica.



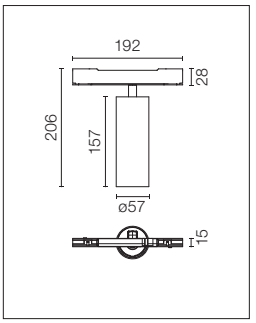


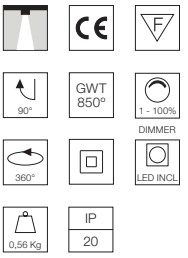


UT Pro 150

Light Source: LED Array 23,5W - 2400 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in Tracking Power 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.

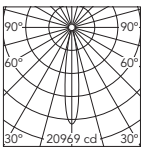
Proyector para ser instalado en perfil Tracking Power con fuente de luz LED. Fuente de alimentación 120-277V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7210.40A
- ■ 09.7210.14A

All White
- ☐ 09.7210.40A78

16° SPOT



Luminous flux luminaire 2265 lm

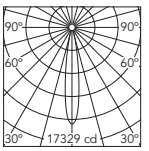
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	20969	0.28
2	5242	0.56
3	2330	0.84
4	1311	1.12
5	839	1.40

3000K - CRI 90
On board dimmer
- ☐ 09.7216.40A
- ■ 09.7216.14A

All White
- ☐ 09.7216.40A78

16° SPOT



Luminous flux luminaire 1872 lm

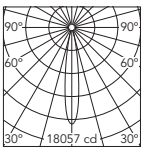
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17329	0.28
2	4332	0.56
3	1925	0.84
4	1083	1.12
5	693	1.40

4000K - CRI 90
On board dimmer
- ☐ 09.7211.40A
- ■ 09.7211.14A

All White
- ☐ 09.7211.40A78

16° SPOT



Luminous flux luminaire 1951 lm

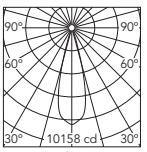
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18057	0.28
2	4514	0.56
3	2006	0.84
4	1129	1.12
5	722	1.40

3000K - CRI 80
On board dimmer
- ☐ 09.7212.40A
- ■ 09.7212.14A

All White
- ☐ 09.7212.40A78

28° MEDIUM



Luminous flux luminaire 2198 lm

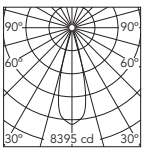
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	10158	0.50
2	2540	1.00
3	1129	1.50
4	635	2.00
5	406	2.50

3000K - CRI 90
On board dimmer
- ☐ 09.7217.40A
- ■ 09.7217.14A

All White
- ☐ 09.7217.40A78

28° MEDIUM



Luminous flux luminaire 1816 lm

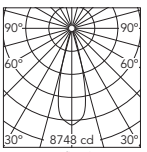
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8395	0.50
2	2099	1.00
3	933	1.50
4	525	2.00
5	336	2.50

4000K - CRI 90
On board dimmer
- ☐ 09.7213.40A
- ■ 09.7213.14A

All White
- ☐ 09.7213.40A78

28° MEDIUM



Luminous flux luminaire 1892 lm

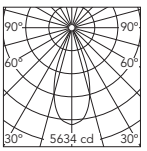
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8748	0.50
2	2187	1.00
3	972	1.50
4	547	2.00
5	350	2.50

3000K - CRI 80
On board dimmer
- ☐ 09.7214.40A
- ■ 09.7214.14A

All White
- ☐ 09.7214.40A78

40° FLOOD



Luminous flux luminaire 2224 lm

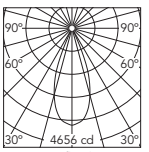
Beam Angle: 40°

h(m)	E(lx)	D(m)
1	5634	0.73
2	1408	1.46
3	626	2.18
4	352	2.91
5	225	3.64

3000K - CRI 90
On board dimmer
- ☐ 09.7218.40A
- ■ 09.7218.14A

All White
- ☐ 09.7218.40A78

40° FLOOD



Luminous flux luminaire 1838 lm

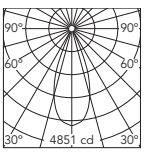
Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4656	0.73
2	1164	1.46
3	517	2.18
4	291	2.91
5	186	3.64

4000K - CRI 90
On board dimmer
- ☐ 09.7215.40A
- ■ 09.7215.14A

All White
- ☐ 09.7215.40A78

40° FLOOD



Luminous flux luminaire 1915 lm

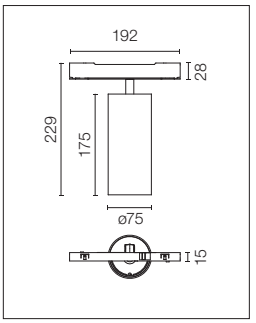
Beam Angle: 40°

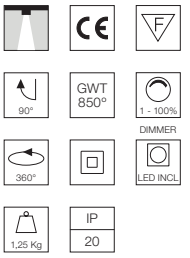
h(m)	E(lx)	D(m)
1	4851	0.73
2	1213	1.46
3	539	2.18
4	303	2.91
5	194	3.64

UT Pro 175

Light Source: 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



Spotlight to be installed in Tracking Power 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.

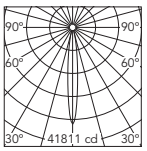
Proyector para ser instalado en perfil Tracking Power con fuente de luz LED. Fuente de alimentación 120-277V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7300.40
- ■ 09.7300.14

All White
- ☐ 09.7300.40.78

12° SPOT



Luminous flux luminaire 3664 lm

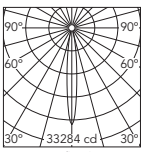
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	41811	0.21
2	10453	0.41
3	4646	0.62
4	2613	0.83
5	1672	1.03

3000K - CRI 90
On board dimmer
- ☐ 09.7301.40
- ■ 09.7301.14

All White
- ☐ 09.7301.40.78

12° SPOT



Luminous flux luminaire 2916 lm

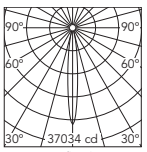
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	33284	0.21
2	8321	0.41
3	3698	0.62
4	2080	0.83
5	1331	1.03

4000K - CRI 90
On board dimmer
- ☐ 09.7302.40
- ■ 09.7302.14

All White
- ☐ 09.7302.40.78

12° SPOT



Luminous flux luminaire 3245 lm

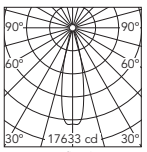
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	37034	0.21
2	9258	0.41
3	4115	0.62
4	2315	0.83
5	1481	1.03

3000K - CRI 80
On board dimmer
- ☐ 09.7303.40
- ■ 09.7303.14

All White
- ☐ 09.7303.40.78

25° MEDIUM



Luminous flux luminaire 3637 lm

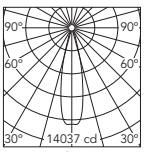
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	17633	0.44
2	4408	0.88
3	1959	1.32
4	1102	1.76
5	705	2.20

3000K - CRI 90
On board dimmer
- ☐ 09.7304.40
- ■ 09.7304.14

All White
- ☐ 09.7304.40.78

25° MEDIUM



Luminous flux luminaire 2895 lm

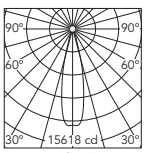
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	14037	0.44
2	3509	0.88
3	1560	1.32
4	877	1.76
5	561	2.20

4000K - CRI 90
On board dimmer
- ☐ 09.7305.40
- ■ 09.7305.14

All White
- ☐ 09.7305.40.78

25° MEDIUM



Luminous flux luminaire 3221 lm

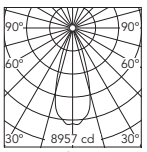
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	15618	0.44
2	3904	0.88
3	1735	1.32
4	976	1.76
5	625	2.20

3000K - CRI 80
On board dimmer
- ☐ 09.7306.40
- ■ 09.7306.14

All White
- ☐ 09.7306.40.78

37° FLOOD



Luminous flux luminaire 3321 lm

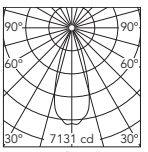
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	8957	0.66
2	2239	1.32
3	995	1.98
4	560	2.65
5	358	3.31

3000K - CRI 90
On board dimmer
- ☐ 09.7307.40
- ■ 09.7307.14

All White
- ☐ 09.7307.40.78

37° FLOOD



Luminous flux luminaire 2644 lm

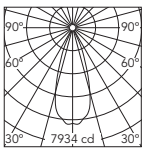
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7131	0.66
2	1783	1.32
3	792	1.98
4	446	2.65
5	285	3.31

4000K - CRI 90
On board dimmer
- ☐ 09.7308.40
- ■ 09.7308.14

All White
- ☐ 09.7308.40.78

37° FLOOD



Luminous flux luminaire 2941 lm

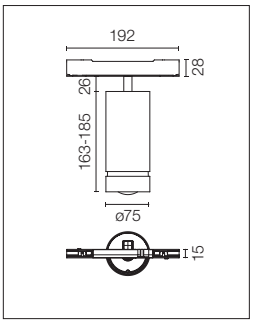
Beam Angle: 37°

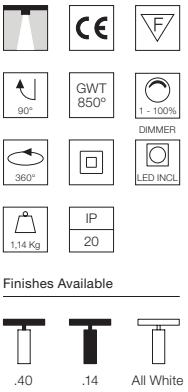
h(m)	E(lx)	D(m)
1	7934	0.66
2	1983	1.32
3	882	1.98
4	496	2.65
5	317	3.31

UT Pro 175 Lens

Light Source: 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

Spotlight to be installed in Tracking Power profile with LED light source. Includes adjustable lens allowing opening angle calibration from 13^0 to 56^0. 120-277V power supply integrated.

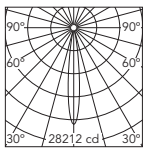
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil Tracking Power con fuente de luz LED. Incorpora lente ajustable que permite la calibración del ángulo de apertura de 13^0 a 56^0. Fuente de alimentación 120-277V integrada.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7370.40
- ■ 09.7370.14
  All White
- ☐ 09.7370.40.78

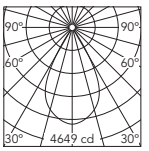
13° LENS OUT



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

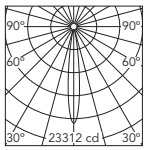


Luminous flux luminaire 3468 lm

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
- ☐ 09.7371.40
- ■ 09.7371.14
  All White
- ☐ 09.7371.40.78

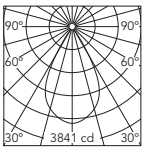
13° LENS OUT



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

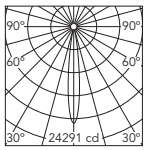


Luminous flux luminaire 2866 lm

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
- ☐ 09.7372.40
- ■ 09.7372.14
  All White
- ☐ 09.7372.40.78

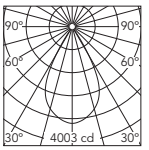
13° LENS OUT



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



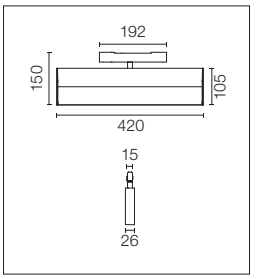
Luminous flux luminaire 2986 lm

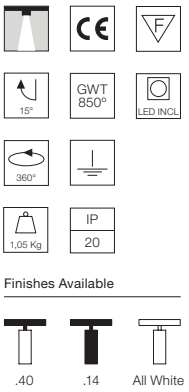
Beam Angle:	56°	
h(m)	E(lx)	D(m)
1	4003	1.07
2	1001	2.14
3	445	3.21
4	250	4.29
5	160	5.36

UT Pro Wall-Washer

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90







Finishes Available

Wall-Washer lighting module to be installed in Tracking Power profile with LED light source. 220-240V power supply integrated.

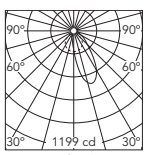
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Módulo de iluminación Wall-Washer para ser instalado en perfil Tracking Power con fuente de luz LED. Fuente de alimentación 220-240V integrada.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 90
Non Dimmable
- ☐ 09.7500.40
- ■ 09.7500.14
  All White
- ☐ 09.7500.40.78

36°

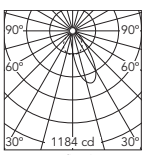


Luminous flux luminaire 1706 lm

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
- ☐ 09.7501.40
- ■ 09.7501.14
  All White
- ☐ 09.7501.40.78

36°



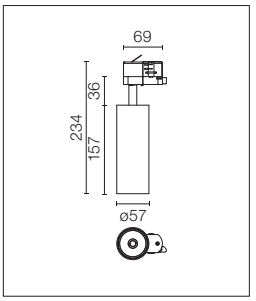
Luminous flux luminaire 1700 lm

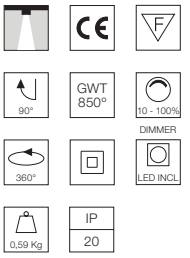
Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	1184	0.76
2	296	1.52
3	132	2.28
4	74	3.04
5	47	3.80

UT Pro 150 GA-69

Light Source: LED Array 23,5W - 2300 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2009 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

.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.

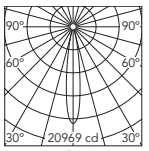
Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7270.40A
- ■ 09.7270.14A

All White
- ☐ 09.7270.40A78

16° SPOT



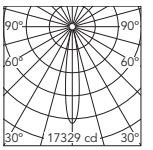
Luminous flux luminaire 2265 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	20969	0.28
2	5242	0.56
3	2330	0.84
4	1311	1.12
5	839	1.40

3000K - CRI 90
On board dimmer
- ☐ 09.7276.40A
- ■ 09.7276.14A

All White
- ☐ 09.7276.40A78

16° SPOT



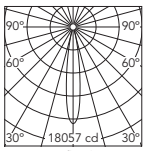
Luminous flux luminaire 1872 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	17329	0.28
2	4332	0.56
3	1925	0.84
4	1083	1.12
5	693	1.40

4000K - CRI 90
On board dimmer
- ☐ 09.7271.40A
- ■ 09.7271.14A

All White
- ☐ 09.7271.40A78

16° SPOT



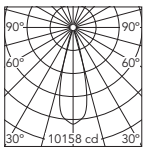
Luminous flux luminaire 1951 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	18057	0.28
2	4514	0.56
3	2006	0.84
4	1129	1.12
5	722	1.40

3000K - CRI 80
On board dimmer
- ☐ 09.7272.40A
- ■ 09.7272.14A

All White
- ☐ 09.7272.40A78

28° MEDIUM



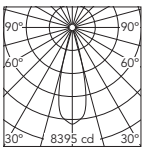
Luminous flux luminaire 2198 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	10158	0.50
2	2540	1.00
3	1129	1.50
4	635	2.00
5	406	2.50

3000K - CRI 90
On board dimmer
- ☐ 09.7277.40A
- ■ 09.7277.14A

All White
- ☐ 09.7277.40A78

28° MEDIUM



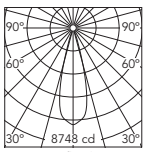
Luminous flux luminaire 1816 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	8395	0.50
2	2099	1.00
3	933	1.50
4	525	2.00
5	336	2.50

4000K - CRI 90
On board dimmer
- ☐ 09.7273.40A
- ■ 09.7273.14A

All White
- ☐ 09.7273.40A78

28° MEDIUM



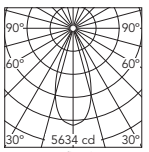
Luminous flux luminaire 1892 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	8748	0.50
2	2187	1.00
3	972	1.50
4	547	2.00
5	350	2.50

3000K - CRI 80
On board dimmer
- ☐ 09.7274.40A
- ■ 09.7274.14A

All White
- ☐ 09.7274.40A78

40° FLOOD



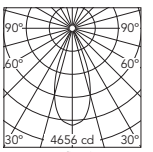
Luminous flux luminaire 2224 lm

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	5634	0.73
2	1408	1.46
3	626	2.18
4	352	2.91
5	225	3.64

3000K - CRI 90
On board dimmer
- ☐ 09.7278.40A
- ■ 09.7278.14A

All White
- ☐ 09.7278.40A78

40° FLOOD



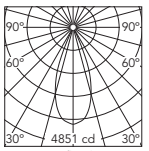
Luminous flux luminaire 1838 lm

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	4656	0.73
2	1164	1.46
3	517	2.18
4	291	2.91
5	186	3.64

4000K - CRI 90
On board dimmer
- ☐ 09.7275.40A
- ■ 09.7275.14A

All White
- ☐ 09.7275.40A78

40° FLOOD



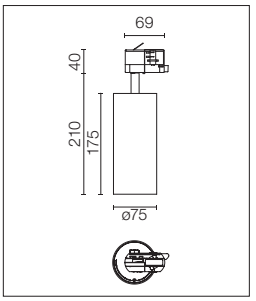
Luminous flux luminaire 1915 lm

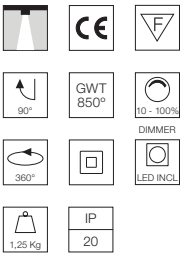
Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	4851	0.73
2	1213	1.46
3	539	2.18
4	303	2.91
5	194	3.64

UT Pro 175 GA-69

Light Source: 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



Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

.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.

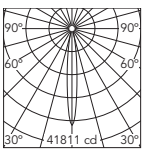
Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7310.40
- ■ 09.7310.14

All White
- ☐ 09.7310.40.78

12° SPOT



Luminous flux luminaire 3664 lm

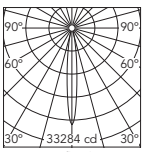
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	41811	0.21
2	10453	0.41
3	4646	0.62
4	2613	0.83
5	1672	1.03

3000K - CRI 90
On board dimmer
- ☐ 09.7311.40
- ■ 09.7311.14

All White
- ☐ 09.7311.40.78

12° SPOT



Luminous flux luminaire 2916 lm

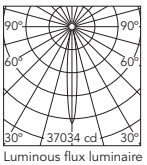
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	33284	0.21
2	8321	0.41
3	3698	0.62
4	2080	0.83
5	1331	1.03

4000K - CRI 90
On board dimmer
- ☐ 09.7312.40
- ■ 09.7312.14

All White
- ☐ 09.7312.40.78

12° SPOT



Luminous flux luminaire 3245 lm

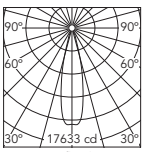
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	37034	0.21
2	9258	0.41
3	4115	0.62
4	2315	0.83
5	1481	1.03

3000K - CRI 80
On board dimmer
- ☐ 09.7313.40
- ■ 09.7313.14

All White
- ☐ 09.7313.40.78

25° MEDIUM



Luminous flux luminaire 3637 lm

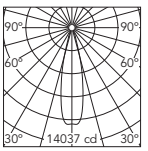
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	17633	0.44
2	4408	0.88
3	1959	1.32
4	1102	1.76
5	705	2.20

3000K - CRI 90
On board dimmer
- ☐ 09.7314.40
- ■ 09.7314.14

All White
- ☐ 09.7314.40.78

25° MEDIUM



Luminous flux luminaire 2895 lm

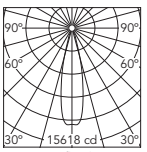
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	14037	0.44
2	3509	0.88
3	1560	1.32
4	877	1.76
5	561	2.20

4000K - CRI 90
On board dimmer
- ☐ 09.7315.40
- ■ 09.7315.14

All White
- ☐ 09.7315.40.78

25° MEDIUM



Luminous flux luminaire 3221 lm

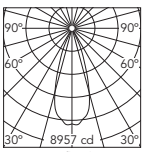
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	15618	0.44
2	3904	0.88
3	1735	1.32
4	976	1.76
5	625	2.20

3000K - CRI 80
On board dimmer
- ☐ 09.7316.40
- ■ 09.7316.14

All White
- ☐ 09.7316.40.78

37° FLOOD



Luminous flux luminaire 3321 lm

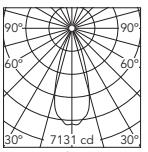
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	8957	0.66
2	2239	1.32
3	995	1.98
4	560	2.65
5	358	3.31

3000K - CRI 90
On board dimmer
- ☐ 09.7317.40
- ■ 09.7317.14

All White
- ☐ 09.7317.40.78

37° FLOOD



Luminous flux luminaire 2644 lm

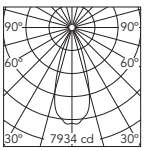
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7131	0.66
2	1783	1.32
3	792	1.98
4	446	2.65
5	285	3.31

4000K - CRI 90
On board dimmer
- ☐ 09.7318.40
- ■ 09.7318.14

All White
- ☐ 09.7318.40.78

37° FLOOD



Luminous flux luminaire 2941 lm

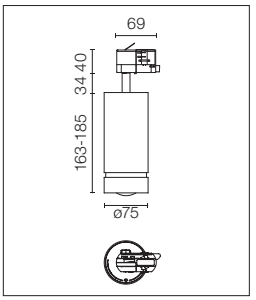
Beam Angle: 37°

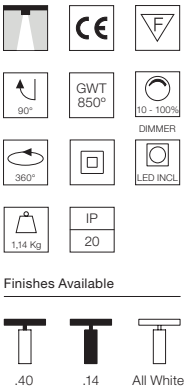
h(m)	E(lx)	D(m)
1	7934	0.66
2	1983	1.32
3	882	1.98
4	496	2.65
5	317	3.31

UT Pro 175 Lens GA-69

Light Source: 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

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.

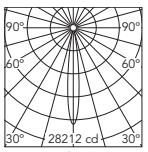
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Incorpora lente ajustable que permite la calibración del ángulo de apertura de 13^0 a 56^0.
Fuente de alimentación 120-270V integrada.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7373.40
- ■ 09.7373.14
  All White
- ☐ 09.7373.40.78

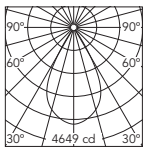
13° LENS OUT



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

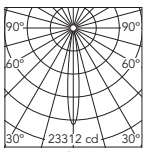


Luminous flux luminaire 3468 lm

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

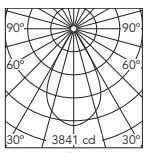
13° LENS OUT



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

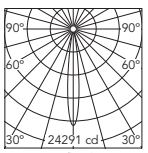


Luminous flux luminaire 2866 lm

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

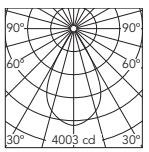
13° LENS OUT



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



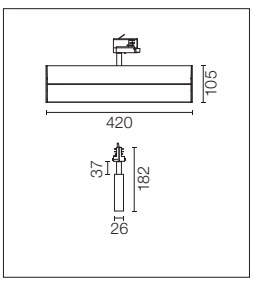
Luminous flux luminaire 2986 lm

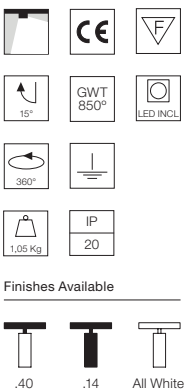
Beam Angle:	56°	
h(m)	E(lx)	D(m)
1	4003	1.07
2	1001	2.14
3	445	3.21
4	250	4.29
5	160	5.36

UT Pro Wall-Washer GA-69 (Dali GA-600)

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90







Finishes Available

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. Only the anti-glare ring is black.

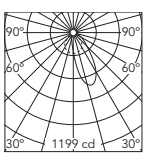
Módulo de iluminación Wall-Washer para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 220-240V integrada. Para la versión DALI necesita carriles dimmables (ver capítulo "Tracks").

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

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°



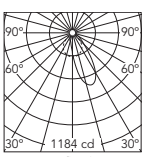
Luminous flux luminaire 1706 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	1199	0.76
2	300	1.52
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

Accessories / Accesorios

UT Pro 150 / UT Pro 175

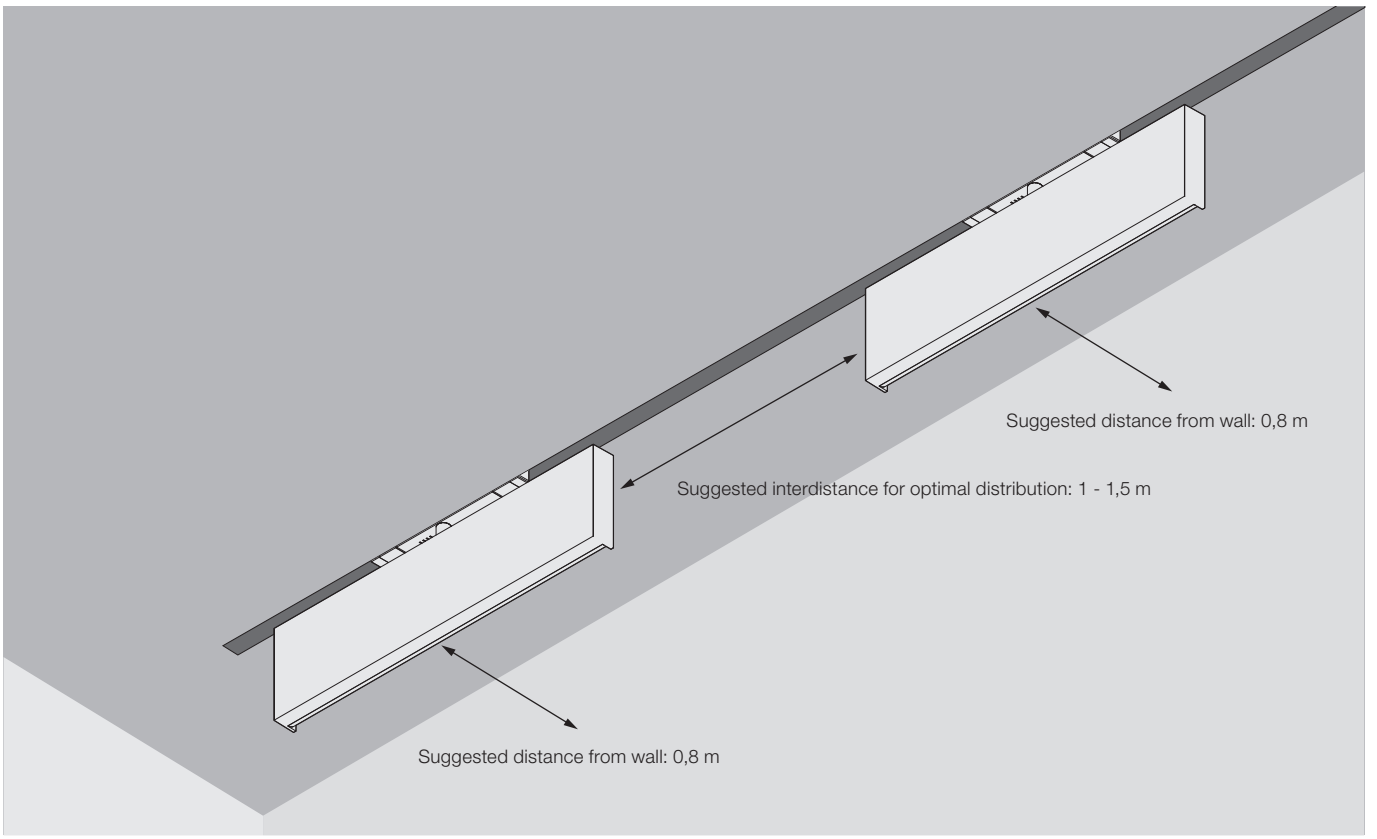
Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.
Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		UT Pro 150 08.8429.00 UT Pro 175 08.9108.00
Elliptical lens.	Lente elíptica.		UT Pro 150 08.8431.00 UT Pro 175 08.9109.00
Flood lens.	Lente flood.		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
Snoot shielding cone.	Cono apantallador.		UT Pro 150 08.0526.00 08.0526.40 08.0526.BW UT Pro 175 08.9111.00

THE TRACKING POWER — INSTALLATION PROFILES

WALL-WASHER INSTALLATION

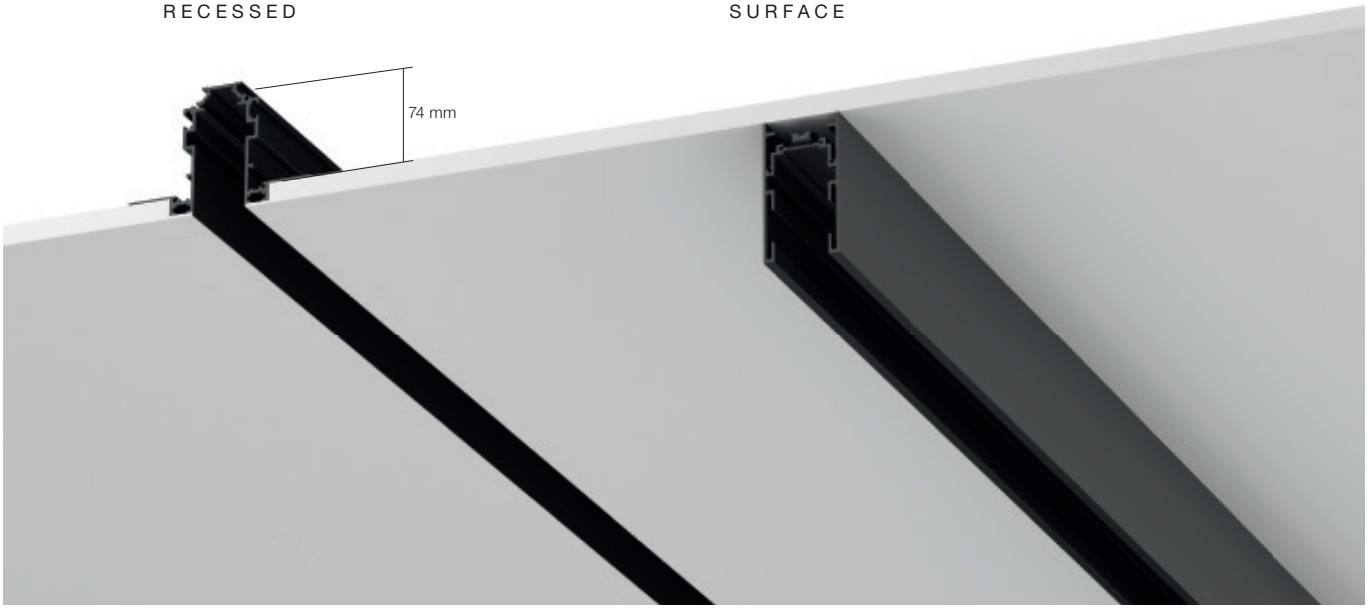


THE FAST TRACK

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles ■ 14 Black
14 Negro

Surface Profiles □ 40 White
40 Blanco

■ 14 Black
14 Negro

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
1950 lm
3000K/CRI 90
2110 lm
4000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

■ 14 Black
14 Negro



□ BW White
BW Blanco



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.

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

Descripción
Único sistema mundial que permite mover, orientar y regular la intensidad, a distancia, los diferentes grupos de luminarias.
El sistema para interiores está disponible en versiones de montaje en superficie y empotrado en el techo. Equipado con un control inalámbrico con el sistema FLOS Control® de Casambi gestionado a través de una aplicación dedicada para dispositivos móviles (cubre una distancia de unos 20m). El sistema permite controlar hasta 200 dispositivos a través de la App.
Los módulos de iluminación incorporan servos para su movimiento y orientación, sensores para detectar otros spots y el final del carril.
El sistema es capaz de reconocer la ubicación de cada spot en todo momento y memorizar hasta un máximo de 24 escenas de luz, memorizando orientación, rotación e intensidad lumínica para su uso posterior, así como 4 programaciones horarias para cambiar de una escena a otra.
También se puede cambiar completamente de escena de luz recuperando las composiciones memorizadas con un simple click. La traslación debe realizarse siempre de forma manual e individual a través de la APP.
Perfiles estructurales del sistema de aluminio extruido en negro y chapados en blanco para la versión .40, provisto de pistas eléctricas alimentadas a 48V, sobre las cuales se instalan mediante un sistema de fijación mecánica de las luminarias LED.
La familia está compuesta por módulos de iluminación de acento, con diferentes ópticas.
El único sistema de control disponible es FLOS Control® by Casambi.
Necesaria APP para dispositivos móviles (disponible en Apple Store y Google Play).
La longitud máxima por cada fuente de alimentación es de 20 m.
La longitud máxima entre la fuente de alimentación y el inicio del carril es de 2 m.

Sistema Óptico
Los módulos de luz de acento se encuentran disponibles con ópticas de cristal alto rendimiento. Ángulos super spot, spot, médium y flood.

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida.

Información Adicional
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

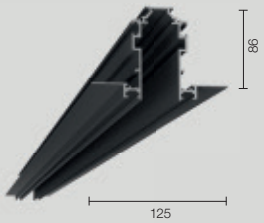
Available on the App Store

GET IT ON Google Play

HOW TO ORDER

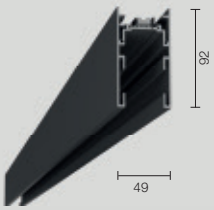
1 CHOOSE YOUR PROFILE AND LENGTH

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



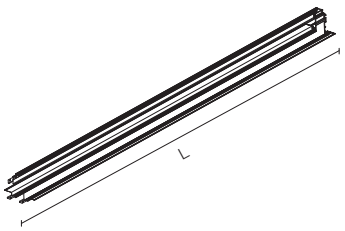
THE FAST TRACK – RECESSED PROFILES

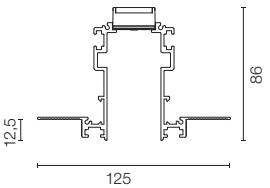
Profiles

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.

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos de cartón yeso con longitudes de 1m a 3m. Necesario pedir por separado cables de alimentación e interconexión.
Las tapas deben pedirse por separado. Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles TC de aluminio de sujeción.





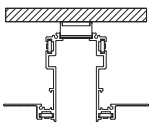
L: 1000 mm
06.1850.14
L: 1500mm
06.1851.14
L: 2000 mm
06.1852.14
L: 3000 mm
06.1853.14

L: 1 m / 1,5 m / 2 m / 3 m

Fixed ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo fijo (opcional). Kit de 2 unidades.



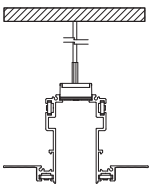


08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.
Installation requires a M6 threaded rod, not included.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.
Para su instalación requiere varilla roscada de M6, no incluida.





08.8867.14

Profile (mm)	Quantities Ceiling Kit
1000	1
2000	2
3000	2
4000	3

1-m suspension rod with ceiling rose with m6 thread.

Varilla de suspensión de 1 m con rosetón con rosca m6.

60.3097.11
60.3097.14

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



08.9070.14

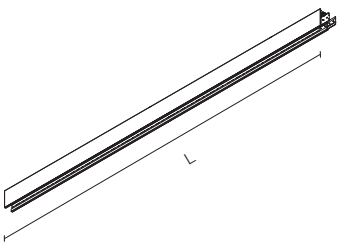
THE FAST TRACK – SURFACE PROFILES

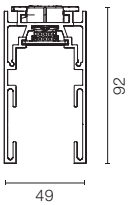
Profiles

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.

Perfiles

Perfil electro-mecánico para instalaciones en superficie en techos de cartón yeso con longitudes de 1 m a 3 m. No válido para instalaciones en suspensión. Necesario pedir por separado cables de alimentación e interconexión.
Las tapas deben pedirse por separado. Kit de sujeción a techo fijo incluido.





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

End caps. Must be ordered separately. 2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



08.9071.40
08.9071.14

The Fast Track Recessed / Surface versions

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.

Stopper. Para evitar que los spots invadan zonas de carril alimentadas por otro driver y evitar superar la potencia máxima permitida de cada driver. También se puede usar para limitar el movimiento por otras razones.



08.9074.14

Power feed cable.

Cable de alimentación.



06.0303.00

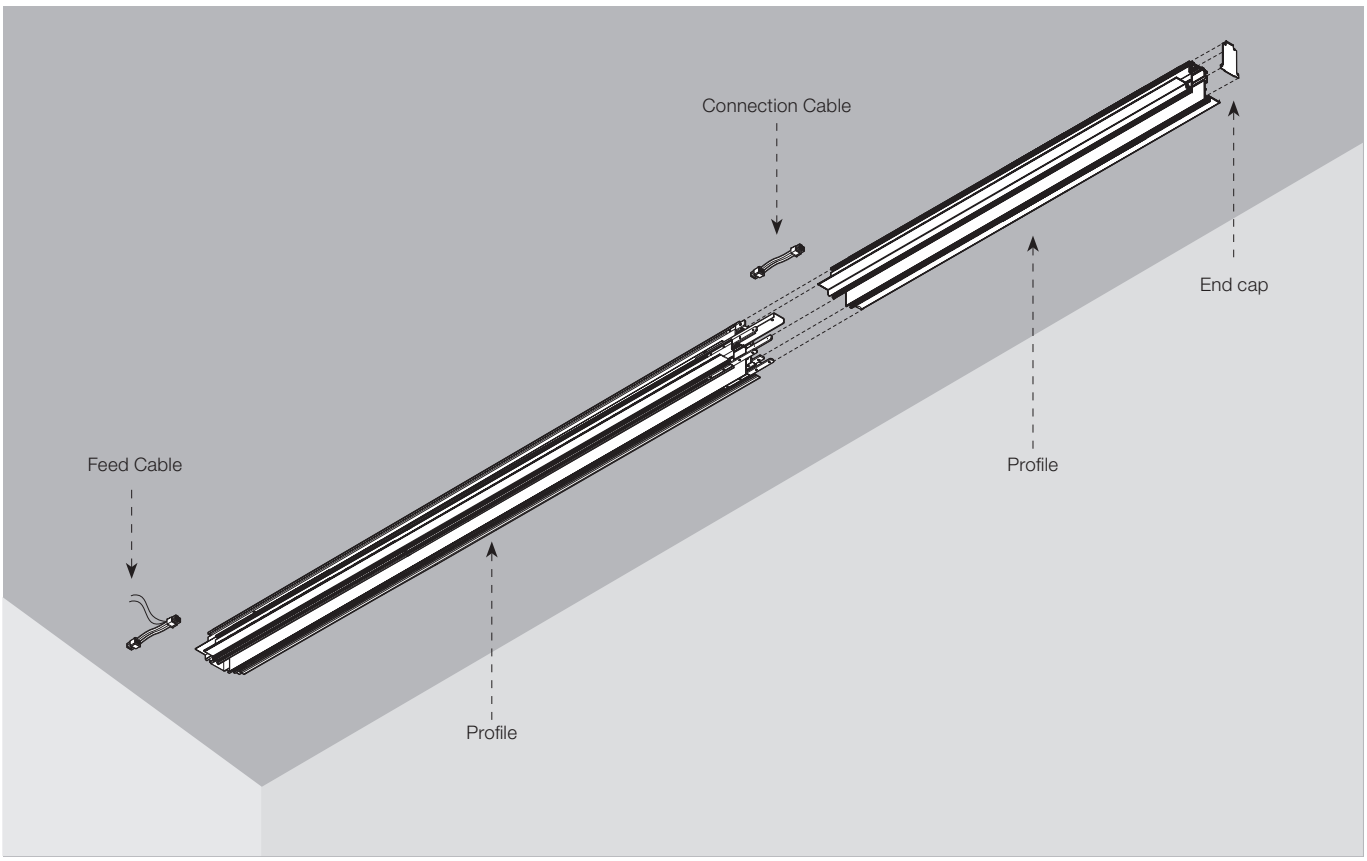
Connection cable. Electrical connection.

Cable de conexión. Conexión eléctrica.

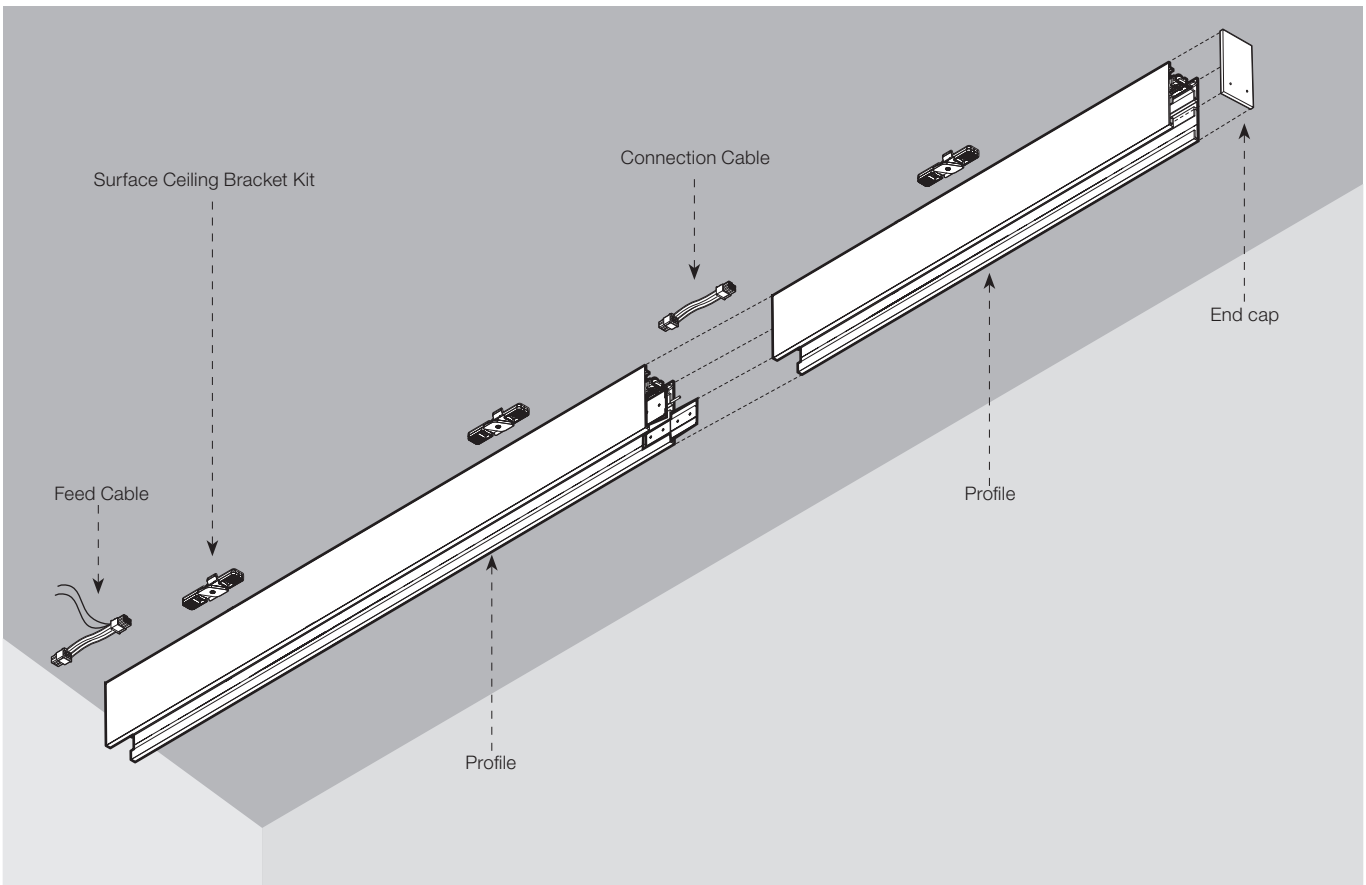


06.0301.00

RECESSED INSTALLATION



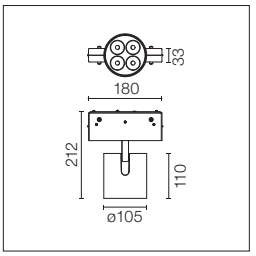
SURFACE INSTALLATION

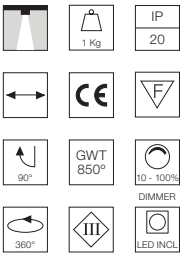


The Fast Track Spot 100

Light Source: Power LED 13W - 830 lm - 3000K/CRI 90 / 13W - 878 lm - 4000K/CRI 90





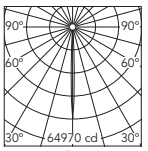


Spotlight to be installed in the The Fast Track system profile with a LED light source and super spot optic, very useful for great heights, medium and flood.
The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y con óptica super spot muy útil para grandes alturas, medium y flood.
Las cajas de las luminarias se fabrican solo en negro.

3000K
**Casambi integrated
09.9070.BW
09.9070.14

4° SUPER SPOT



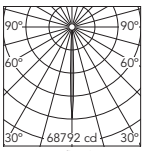
Luminous flux luminaire
630 lm

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.BW
09.9075.14

4° SUPER SPOT



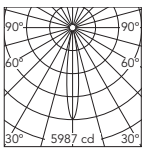
Luminous flux luminaire
667 lm

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.BW
09.9071.14

15° SPOT



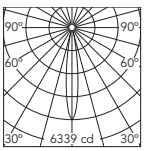
Luminous flux luminaire
567 lm

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.BW
09.9076.14

15° SPOT



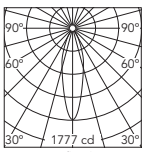
Luminous flux luminaire
600 lm

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.BW
09.9072.14

27° MEDIUM



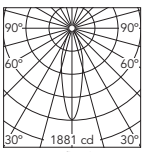
Luminous flux luminaire
693 lm

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.BW
09.9077.14

27° MEDIUM



Luminous flux luminaire
733 lm

Beam Angle: 27°

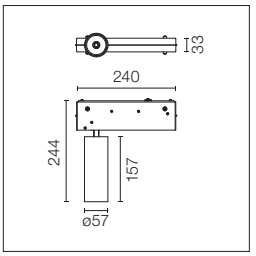
h(m)	E(lx)	D(m)
1	1881	0.48
2	470	0.95
3	209	1.43
4	118	1.91
5	75	2.38

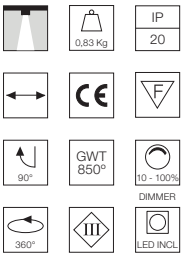
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

The Fast Track Spot 150

Light Source: LED Array 25,5W - 2080 lm - 3000K/CRI 90 / 25,5W - 2262 lm - 4000K/CRI 90





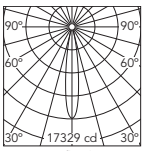


Spotlight to be installed in the The Fast Track system profile with a LED light source and glass optics: high performance spot, medium and flood lights.
The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y ópticas de cristal spot, medium y flood de alto rendimiento.
Las cajas de las luminarias se fabrican solo en negro.

3000K
**Casambi integrated
09.9083.BW
09.9083.14

16° SPOT



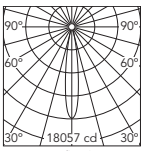
Luminous flux luminaire
1872 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17329	0.28
2	4332	0.56
3	1925	0.84
4	1083	1.12
5	693	1.40

4000K
**Casambi integrated
09.9086.BW
09.9086.14

16° SPOT



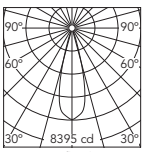
Luminous flux luminaire
1951 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18057	0.28
2	4514	0.56
3	2006	0.84
4	1129	1.12
5	722	1.40

3000K
**Casambi integrated
09.9084.BW
09.9084.14

28° MEDIUM



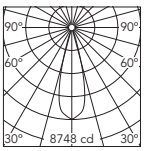
Luminous flux luminaire
1816 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8395	0.50
2	2099	1.00
3	933	1.50
4	525	2.00
5	336	2.50

4000K
**Casambi integrated
09.9087.BW
09.9087.14

28° MEDIUM



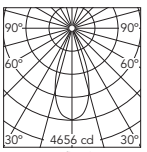
Luminous flux luminaire
1892 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8748	0.50
2	2187	1.00
3	972	1.50
4	547	2.00
5	350	2.50

3000K
**Casambi integrated
09.9085.BW
09.9085.14

40° FLOOD



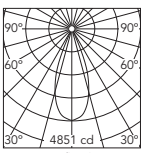
Luminous flux luminaire
1838 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4656	0.73
2	1164	1.46
3	517	2.18
4	291	2.91
5	186	3.64

4000K
**Casambi integrated
09.9088.BW
09.9088.14

40° FLOOD



Luminous flux luminaire
1915 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4851	0.73
2	1213	1.46
3	539	2.18
4	303	2.91
5	194	3.64

Accessories / Accesorios

The Fast Track Spot 150

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.

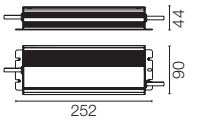
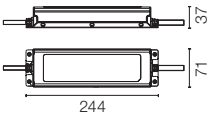
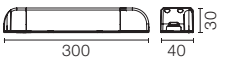
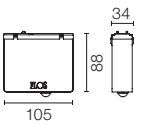
Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40 08.0526.BW

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NEW

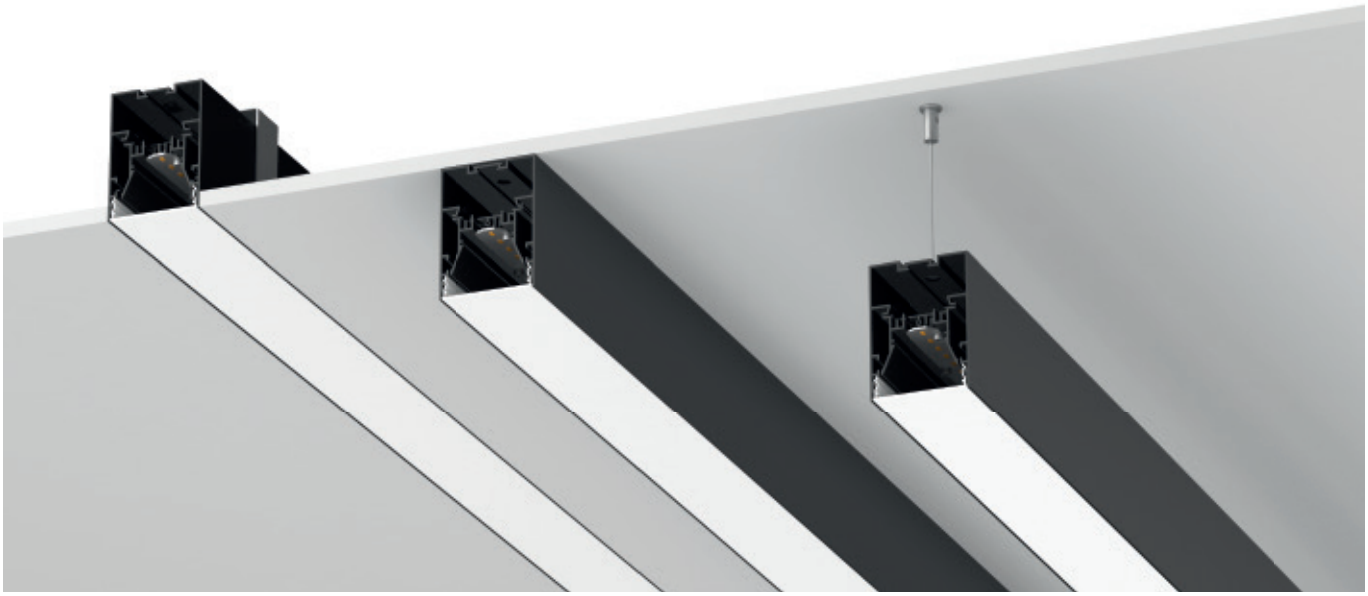
Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.			*60.8919
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.			*60.9607
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			*60.9170
Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.	Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia. FLOS Control® by Casambi.			06.1987.40 06.1987.14

* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

IN-FINITY

DESIGNED BY FLOS ARCHITECTURAL



RECESSED
TRIM / NO TRIM



35 mm

LIGHT SOURCE
TOP LED
18,5W/m
2665 lm/m
3000K/CRI 80
18,5W/m
2800 lm/m
4000K/CRI 80

SURFACE



70 mm

LIGHT SOURCE
TOP LED
25W/m
2985 lm/m
3000K/CRI 80
25W/m
3135 lm/m
4000K/CRI 80

SUSPENSION
DOWN



100 mm

LIGHT SOURCE
TOP LED
25,5W/m
3110 lm/m
3000K/CRI 80
25,5W/m
3265 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

100 mm

LIGHT SOURCE
TOP LED
38,5W/m
1785 lm/m UP
3110 lm/m DOWN
3000K/CRI 80
38,5W/m
1875 lm/m UP
3265 lm/m DOWN
4000K/CRI 80

30 White
30 Blanco

02 Anodized Grey
02 Gris Anodizado



14 Black
14 Negro



Description
LED lighting system for recessed, surface or suspended installation, designed for work areas and the illumination of professional spaces. Luminaires are available in three different sections of 35 mm, 70 mm or 100 mm.
The system is composed of straight elements, with a range of measurements, from 565 up to 3095 mm, corner elements for angles on the same surface, or with wall-ceiling surface change, accessories such as end covers, and a suspension kit.
In all versions the luminaires come with:
- LED lighting modules, including drivers, in 3000K or 4000K versions.
- Aluminum installation channel.
- Reflector.
- Junction system for the connection of the system's modular element.
- Safety cable to protect against the lamp's accidental falling, to provide for maximum safety during installation.
Two different diffusers are available: opal, for general, diffuse lighting; or a micro-prismatic for a for better visual comfort. Also available as separate accessories to fill gaps in structures with corners or longer than 3 meters.
The external profile of the Recessed No Trim version is only available in white finish. All other versions are available in these finishes: white, anodized grey and black.

Power Supply
Drivers included in lighting modules for 220-240V connections to mains or to other lighting modules.

Accessories
- End caps. Must be ordered separately.
- Suspension kit.
- Feed unit kit.

Additional Information
Also available in DALI 1-100% version.
Dimmable 1-10V version under request.
IP20, IP40 protection degree.
Insulation Class I.

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

Descripción
Sistema de iluminación LED empotrado, de superficie o suspendido diseñado para áreas de trabajo y espacios profesionales. Las luminarias están disponibles en anchos de 35 mm, 70 mm ó 100 mm.
El sistema se compone de elementos rectos con medidas desde 565 mm hasta 3095 mm, ángulo en la misma superficie o con cambio de plano techo-pared, y accesorios como tapas y kit de suspensión.
En todas las versiones, las luminarias se completan con:
- Módulos de luz LED con driver incluido, en versiones de 3000K y 4000K.
- Perfil de aluminio por instalación.
- Reflector.
- Sistema de unión para la conexión de los módulos.
- Cable de seguridad anti caída de las luminarias, para garantizar la máxima protección en los trabajos de instalación.
Disponibles dos difusores diferentes: opal para iluminación general o difusor microprismático para un mayor confort visual. Disponibles también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.
El perfil exterior de la versión Recessed No Trim solo está disponible en acabado blanco. Todas las demás versiones están disponibles en los acabados: blanco, gris anodizado y negro.

Unidades de Alimentación
Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

Accesorios
- Tapas. Deben perdirse por separado.
- Kit de suspensión.
- Kit de alimentación.

Información Adicional
Disponible en versión DALI 1-100%.
Versión dimable 1-10V bajo pedido.
Índice de protección IP20, IP40.
Clase de aislamiento I.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

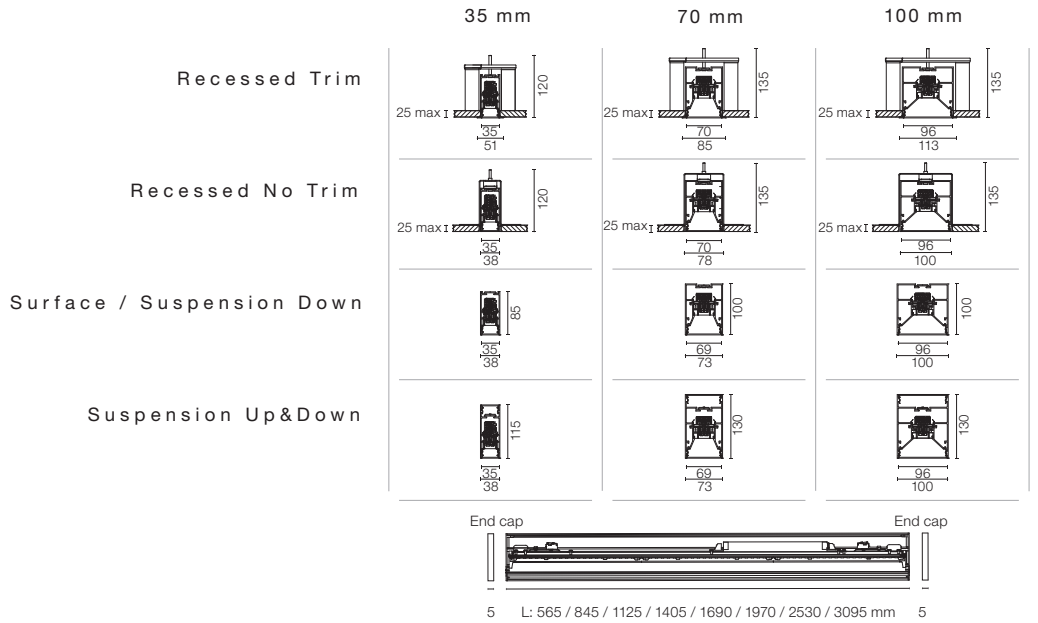
Recessed No Trim
Recessed Trim
Surface
Suspension Down
Suspension Up&Down

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.

Perfiles

Elementos lineales y angulares de iluminación de distintas longitudes, para ser unidos dependiendo de las necesidades específicas de cada proyecto, o ser completadas con una tapa en cada extremo para ser utilizado como una única luminaria.
Todos los elementos del sistema están completamente iluminados por módulos LED que se encuentran incluidos, e incluyen además los drivers necesarios, canal de instalación y difusor de la versión seleccionada.
Elementos X o T custom disponibles bajo pedido.

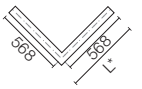


Flat Corner / Esquina Plana

Corner element lamps for angles on the same surface, complete with a driver, installation channel and the diffuser for the version selected.

Luminaria de esquina para ángulos que se mantienen en la misma superficie, completada con el driver, el canal de instalación y el difusor de la versión seleccionada.





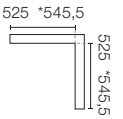
*L: 586 mm - N35 / L: 603 mm - N70 / L: 618 mm - N100

Dihedral Corner / Esquina Diédrica

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.

Luminaria de esquina para ángulos con cambio de superficie (ejemplo: ángulo de techo a pared), completada con el driver, el canal de instalación y el difusor de la versión seleccionada. No está disponible para versiones suspendidas.



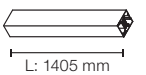


*35 mm section

Emergency / Emergencia

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.

Módulo de emergencia disponible en todas las versiones, excepto la versión Up&Down. En uso normal, mismo consumo que el In-Finity estándar. En uso de emergencia, emite un 10% del flujo normal durante 3 horas.



L: 1405 mm

***Opal Diffuser / Difusor Opal**

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.

Iluminación ambiental difusa, uniforme y apantallada.
Disponible también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



***Micro-Prismatic Diffuser / Difusor Microprismático**

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.

Difusor de alta eficiencia para iluminación apantallada de UGR<19, gracias a su especial textura microprismática multi-estrato.
Disponible también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



IN-FINITY

HOW TO GET YOUR CODE / CÓMO OBTENER SU CÓDIGO

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.

Para una comprensión más rápida y una visión general de la gama, la estructura de la numeración de las partes de la familia In-Finity se ha creado para que coincida, una vez compuesto, con las peticiones específicas de cada instalación.
De acuerdo con la siguiente tabla, para cada campo, simplemente seleccione el número o la letra correspondiente a la versión In-Finity que necesite, y obtendrá el código final.

N 70 S 25 4 U 14B DA

Section / Sección

35 mm	35
70 mm	70
100 mm	10

***Installation / Instalación**

Recessed Trim	T
Recessed No Trim	N
Surface	S
Suspension Down	D
Suspension Up&Down	U

Elements / Elementos

Straight / Lineal 565 mm	05
Straight / Lineal 845 mm	08
Straight / Lineal 1125 mm	11
Straight / Lineal 1405 mm	14
Straight / Lineal 1690 mm	16
Straight / Lineal 1970 mm	19
Straight / Lineal 2530 mm	25
Straight / Lineal 3095 mm	30
Flat Corner / Esquina Plana	FC
Dihedral Corner / Esquina Diédrica	DC
Emergency / Emergencia (1405 mm)	EM

Color Tª / Temperatura de Color (°K)

3000K	3
4000K	4

****Optic / Óptica**

General Lighting (Opal)	G
Micro-Prismatic Diffuser	U

Colours / Colores

	35 - 70 - 100
White / Blanco	30B
Anodized Grey / Gris Anodizado	02B
Black / Negro	14B

Version / Versión

	35 - 70 - 100
Standard (Non Dimmable)	
Dali	DA

*No Trim Recessed version is only available in white finish (30) / La versión Recessed No Trim solo está disponible en acabado blanco (30).

*In Suspension versions only available flat corner / En las versiones Suspension solo está disponible la esquina plana.

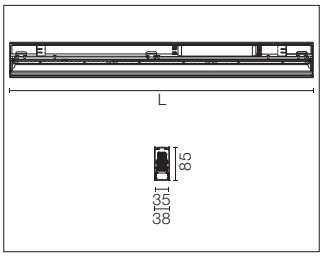
*Suspension Up&Down version is not available in 565 mm linear profile / En la versión Suspension Up&Down no está disponible el perfil lineal de 565 mm.

**Also available as separate accessories to fill gaps in structures with corners or longer than 3 m / Disponibles también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.

In-Finity Surface 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80



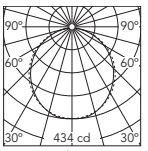


IP 40 · GWT 850° · 1 - 100% DALI · LED INCL

LED 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.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

110° OPAL

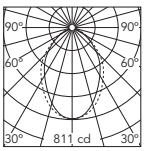


Luminous flux luminaire 1242 lm

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 1497 lm

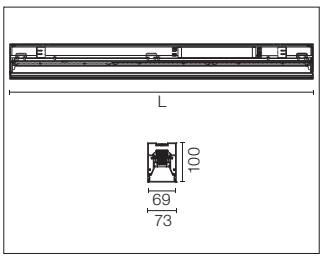
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	811	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

In-Finity Surface 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



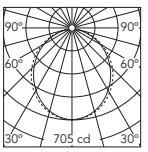


IP 40 · GWT 850° · 1 - 100% DALI · LED INCL

LED 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.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

103° OPAL

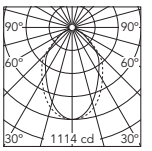


Luminous flux luminaire 1880 lm

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

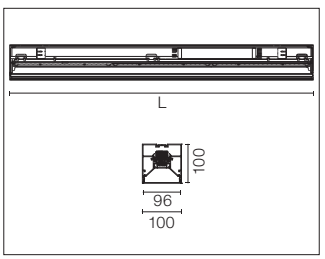
Beam Angle: 72°

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 100 mm

Light Source: Top LED 25,5W/m - 3110 lm/m - 3000K/CRI 80 / 25,5W/m - 3265 lm/m - 4000K/CRI 80



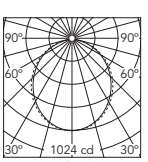


IP 40 · GWT 850° · 1 - 100% DALI · LED INCL

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.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

103° OPAL

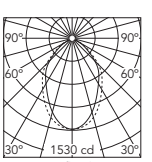


Luminous flux luminaire 2711 lm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	1024	2.54
2	256	5.07
3	114	7.61
4	64	10.14
5	41	12.68

73° MICRO-PRISMATIC



Luminous flux luminaire 2585 lm

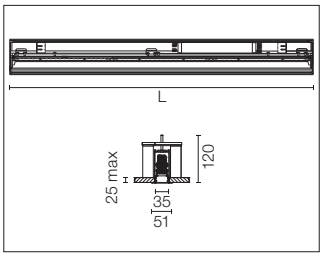
Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1530	1.47
2	383	2.95
3	170	4.42
4	96	5.90
5	61	7.37

In-Finity Recessed Trim 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80





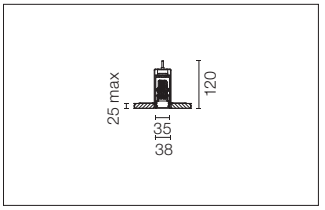
IP 40 · GWT 850° · 1 - 100% DALI · LED INCL

LED 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.

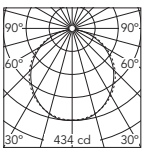
Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 35 mm





110° OPAL

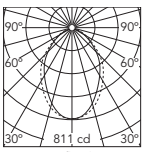


Luminous flux luminaire 1242 lm

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



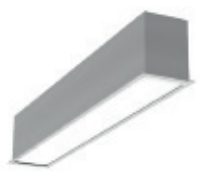
Luminous flux luminaire 1497 lm

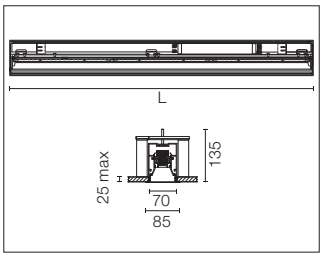
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	811	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

In-Finity Recessed Trim 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



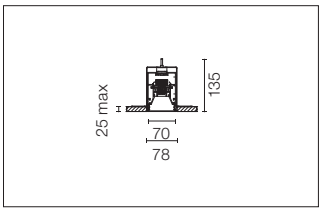


IP 40 · GWT 850° · 1 - 100% DALI · LED INCL

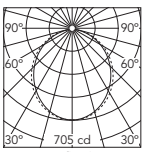
LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 70 mm



103° OPAL

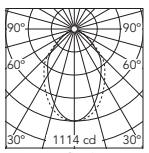


Luminous flux luminaire 1880 lm

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

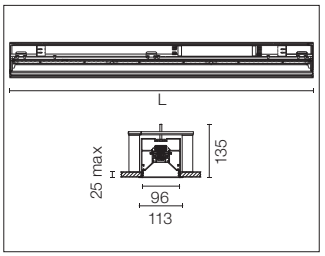
Beam Angle: 72°

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 Recessed Trim 100 mm

Light Source: Top LED 25,5W/m - 3110 lm/m - 3000K/CRI 80 / 25,5W/m - 3265 lm/m - 4000K/CRI 80





IP 40

GWT 850°

1 - 100% DALI

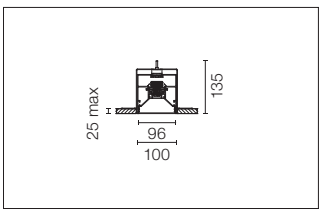
LED INCL

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.

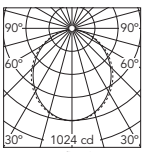
Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 100 mm





103° OPAL

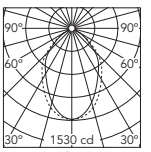


Luminous flux luminaire 2711 lm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	1024	2.54
2	256	5.07
3	114	7.61
4	64	10.14
5	41	12.68

73° MICRO-PRISMATIC



Luminous flux luminaire 2585 lm

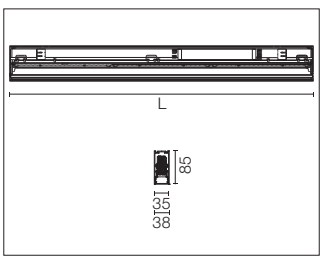
Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1530	1.47
2	383	2.95
3	170	4.42
4	96	5.90
5	61	7.37

In-Finity 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





IP 20

GWT 850°

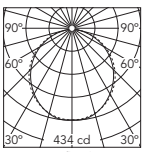
1 - 100% DALI

LED INCL

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.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.

110° OPAL

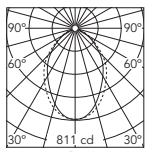


Luminous flux luminaire 1242 lm

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 1497 lm

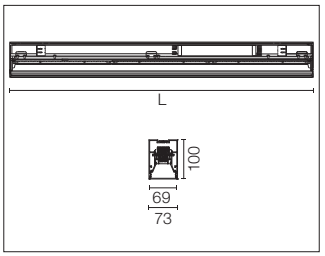
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	811	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

In-Finity Suspension Down 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



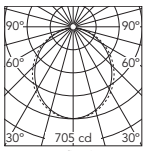


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

LED 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.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.

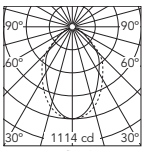
103° OPAL



Luminous flux luminaire
1880 lm

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



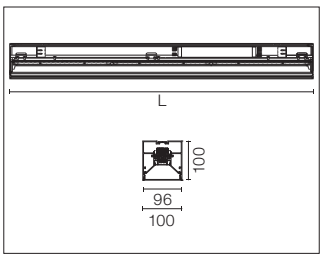
Luminous flux luminaire
1915 lm

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 100 mm

Light Source: Top LED 25,5W/m - 3110 lm/m - 3000K/CRI 80 / 25,5W/m - 3265 lm/m - 4000K/CRI 80



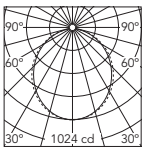


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

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.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.

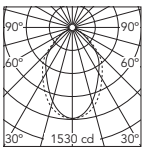
103° OPAL



Luminous flux luminaire
2711 lm

Beam Angle: 103°		
h(m)	E(lx)	D(m)
1	1024	2.54
2	256	5.07
3	114	7.61
4	64	10.14
5	41	12.68

73° MICRO-PRISMATIC



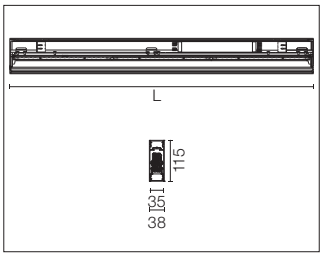
Luminous flux luminaire
2585 lm

Beam Angle: 73°		
h(m)	E(lx)	D(m)
1	1530	1.47
2	383	2.95
3	170	4.42
4	96	5.90
5	61	7.37

In-Finity 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



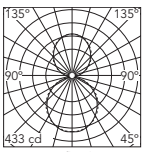


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

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.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.

110° OPAL

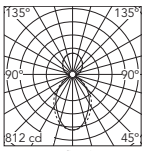


Luminous flux luminaire 2161 lm

Beam Angle DIR: 110°

h(m)	E(lx)	D(m)
1	433	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

76° MICRO-PRISMATIC



Luminous flux luminaire 2425 lm

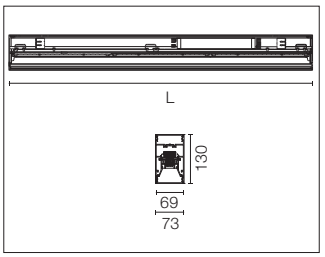
Beam Angle DIR: 76°

h(m)	E(lx)	D(m)
1	812	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

In-Finity Suspension Up&Down 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



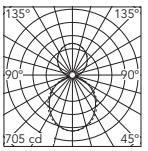


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

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.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.

103° OPAL

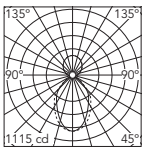


Luminous flux luminaire 3062 lm

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

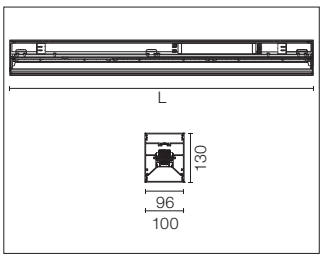
Beam Angle DIR: 72°

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

In-Finity Suspension Up&Down 100 mm

Light Source: Top LED 38,5W/m - 1785 lm/m UP - 3110 lm/m DOWN - 3000K/CRI 80 / 38,5W/m - 1875 lm/m UP - 3265 lm/m DOWN - 4000K/CRI 80



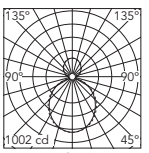


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

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.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.

103° OPAL

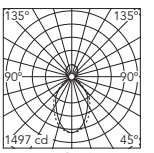


Luminous flux luminaire 3652 lm

Beam Angle DIR: 103°

h(m)	E(lx)	D(m)
1	1002	2.54
2	250	5.07
3	111	7.61
4	63	10.14
5	40	12.68

73° MICRO-PRISMATIC



Luminous flux luminaire 3530 lm

Beam Angle DIR: 73°

h(m)	E(lx)	D(m)
1	1497	1.47
2	374	2.95
3	166	4.42
4	94	5.90
5	60	7.37

Accessories / Accesorios

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).

Tapa metálica para los diferentes perfiles.
Kit de 2 unidades.

Consultar al equipo Flos Architectural para una configuración sin tapas.

*La versión Recessed No Trim solo está disponible en acabado blanco (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

100 mm
- 08.9055.40
- 08.9055.02
- 08.9055.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

100 mm
- 08.9054.40
- 08.9054.02
- 08.9054.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

100 mm
- 08.9058.40
- 08.9058.02
- 08.9058.NS

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)

Kit de suspensión de una pieza (L = 4 m). La distancia máxima entre los cables de suspensión es de 2 m. Dimensiones anclaje a techo (h=63mm, d=22mm) y anclaje a perfil (l=36mm a=24mm h=9mm)



08.0030

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.

Rosetón de alimentación para la instalación suspendida del In-Finity. La versión estándard se suministra con cable de tres polos para encendido simple. La versión Dali se suministra con cable de cinco polos que puede ser utilizado para el encendido doble independiente de la luz directa e indirecta en la versión Up&Down estándard. Incluye cable de suspensión de 4 m.



08.0031.00
Dali Version
08.0031.00.DA

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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.

Accesorio difusor opal de 500 mm. Iluminación ambiental difusa, uniforme y apantallada.
Accesorio para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



In-Finity 35
08.0109.00
In-Finity 70
08.0110.00
In-Finity 100
08.0111.00

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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.

Accesorio microprismático opal de 500 mm. Difusor de alta eficiencia para iluminación apantallada de UGR<19, gracias a su especial textura microprismática multi-estrato.
Accesorio para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



In-Finity 35
08.0112.00
In-Finity 70
08.0113.00
In-Finity 100
08.0114.00

LED SQUAD&MINI

DESIGNED BY FLOS ARCHITECTURAL



LED SQUAD MINI



LIGHT SOURCE
POWER LED
17W/m
24V
1900 lm/m
3000K/CRI 90

LED SQUAD



LIGHT SOURCE
TOP LED
25W/m
24V
2500 lm/m
3000K/CRI 90

LED SQUAD 1 SPOT



LIGHT SOURCE
POWER LED
4W
24V
220 lm
3000K/CRI 80

LED SQUAD 2 SPOTS



LIGHT SOURCE
POWER LED
6W
24V
2x220 lm
3000K/CRI 80

LED Squad Mini

29 Anodized Aluminium
29 Aluminio Anodizado



LED Squad

29 Anodized Aluminium
29 Aluminio Anodizado



AN Anodized Black
AN Negro Anodizado



LED Squad Spot

30 White
30 Blanco



02 Grey
02 Gris



14 Black
14 Negro



Description
Luminaire to be installed on surface with LED light source. Made out of aluminium extrusion profile in which linear LED modules are incorporated. It has an opal diffuser to obtain perfect light diffusion and quick connectors to be able to make joints between different length modules.
The Spot version is made up of an aluminium optical body which includes a high performance power LED. Optical control is made using lenses, with three opening angles.

Power Supply
The system is powered at 24V, and has 20W and 60W power supplies.
Maximum length of LED modules powered from a power supply:
- LED Squad: 2 m (60W).
- LED Squad Mini: 3x1,118 m (60W).
Maximum number of spots connected together with a power supply: 6 spots.

Additional Information
Maximum power with a 60W power supply.
IP20 protection grade.
Insulation class III.

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

Descripción
Luminaria para ser instalada en superficie con fuente de luz LED. Realizada mediante perfil de extrusión de aluminio en el que se incorporan módulos de LED lineales. Dispone de difusor opal para obtener una difusión óptima de la luz y conectores rápidos para poder realizar uniones entre módulos de diferentes longitudes.
La versión Spot está realizada con un cuerpo óptico de aluminio en el que se incorpora un LED de potencia de alto rendimiento. El control óptico se realiza mediante lentes, con tres ángulos de apertura.

Unidades de Alimentación
El sistema se alimenta a 24V, para el que existen fuentes de alimentación de 20W y 60W.
Máxima longitud de módulos LED alimentados desde una fuente de alimentación:
- LED Squad: 2 m (60W).
- LED Squad Mini: 3x1,118 m (60W).
Número máximo de spots conectados entre sí con una fuente de alimentación: 6 spots.

Información Adicional
Máxima potencia con una fuente de alimentación 60W.
Índice de protección IP20.
Clase de aislamiento III.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

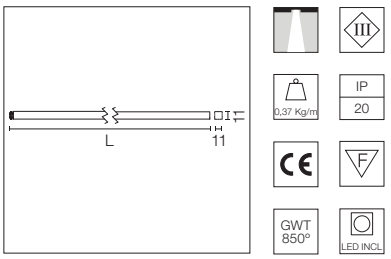
Led Squad

Led Squad Spot

LED Squad Mini

Light Source: Top LED 17W/m - 24V - 1900 lm/m - 3000K/CRI 90





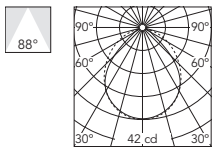
Luminary for surface installation with LED light source. Composed of an extruded aluminum profile to which LED linear modules are incorporated. Invisible dots with continuous light. It has a fast connector in order to join modules of different lengths without wiring. It has a magnetic fixing system on metal surfaces or brackets to screw on conventional surfaces.

Installation cables and driver not included. To be ordered separately.
Not compatible with spots.
Non dimmable.

Luminaria para instalar en superficie con fuente de luz LED. Compuesta por un perfil de aluminio extruido en el que se incorporan módulos lineales LED. Puntos invisibles con luz continua. Dispone de un conector rápido para poder unir módulos de diferentes longitudes sin cableado. Tiene un sistema de fijación magnética en superficies metálicas o soportes para atornillar en superficies convencionales.

Cables de instalación y driver no incluidos. Se han de pedir por separado.
No compatible con spots.
No dimmable.

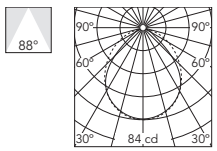
L: 100 mm
1,5W - 190 lm
03.4060.29
10 Units Kit
03.4060.29.1Y



Luminous flux luminaire
95 lm

Beam Angle:	88°	
h(m)	E(lx)	D(m)
1	42	1.94
2	11	3.88
3	5	5.82
4	3	7.76
5	2	9.70

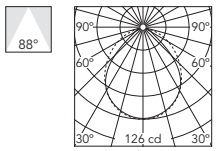
L: 193 mm
2,9W - 367 lm
03.4061.29
10 Units Kit
03.4061.29.1Y



Luminous flux luminaire
189 lm

Beam Angle:	88°	
h(m)	E(lx)	D(m)
1	84	1.94
2	21	3.88
3	9	5.82
4	5	7.76
5	3	9.70

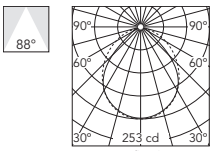
L: 285 mm
4,4W - 542 lm
03.4062.29
10 Units Kit
03.4062.29.1Y



Luminous flux luminaire
284 lm

Beam Angle:	88°	
h(m)	E(lx)	D(m)
1	126	1.94
2	32	3.88
3	14	5.82
4	8	7.76
5	5	9.70

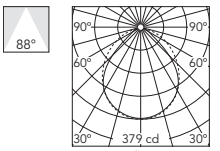
L: 563 mm
8,8W - 1070 lm
03.4063.29
10 Units Kit
03.4063.29.1Y



Luminous flux luminaire
568 lm

Beam Angle:	88°	
h(m)	E(lx)	D(m)
1	253	1.94
2	63	3.88
3	28	5.82
4	16	7.76
5	10	9.70

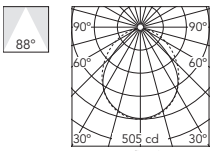
L: 841 mm
13,2W - 1598 lm
03.4064.29
10 Units Kit
03.4064.29.1Y



Luminous flux luminaire
852 lm

Beam Angle:	88°	
h(m)	E(lx)	D(m)
1	379	1.94
2	95	3.88
3	42	5.82
4	24	7.76
5	15	9.70

L: 1118 mm
17,6W - 2125 lm
03.4065.29
10 Units Kit
03.4065.29.1Y
50 Units Kit
03.4065.29.5Y



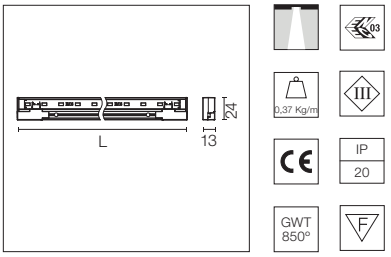
Luminous flux luminaire
1136 lm

Beam Angle:	88°	
h(m)	E(lx)	D(m)
1	505	1.94
2	126	3.88
3	56	5.82
4	32	7.76
5	20	9.70

LED Squad

Light Source: Top LED 25W/m - 24V - 2500 lm/m - 3000K/CRI 90





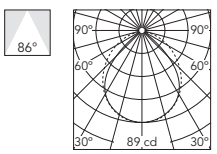
Direct/indirect lighting wall luminaire with LED. Remote transformer not included.
Dimmable.

Installation cables included:
Power cable 500 mm.
Connection cable 60 mm.

Luminaria de pared de iluminación directa/indirecta con LED. Transformador remoto no incluido.
Dimmable.

Cables de instalación incluidos:
Cable de alimentación 500 mm.
Cable de conexión 60 mm.

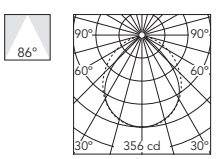
L: 125 mm
3,2W - 313 lm - 7 LEDs
03.3960.29B
03.3960.ANB



Luminous flux luminaire
193 lm

Beam Angle:	86°	
h(m)	E(lx)	D(m)
1	89	1.88
2	22	3.76
3	10	5.64
4	6	7.52
5	4	9.40

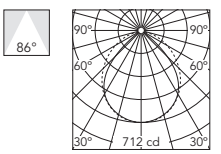
L: 500 mm
12,5W - 1250 lm - 28 LEDs
03.3962.29B
03.3962.ANB



Luminous flux luminaire
771 lm

Beam Angle:	86°	
h(m)	E(lx)	D(m)
1	356	1.88
2	89	3.76
3	40	5.64
4	22	7.52
5	14	9.40

L: 1000 mm
25W - 2500 lm - 56 LEDs
03.3963.29B
03.3963.ANB



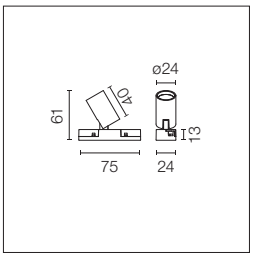
Luminous flux luminaire
1543 lm

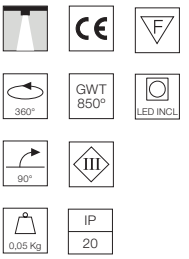
Beam Angle:	86°	
h(m)	E(lx)	D(m)
1	712	1.88
2	178	3.76
3	79	5.64
4	45	7.52
5	28	9.40

LED Squad 1 Spot

Light Source: Power LED 4W - 24V - 220 lm - 3000K/CRI 80







Surface mounted spotlight.
Power supply not included.
Dimmable.

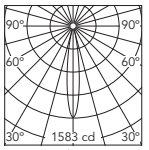
Installation cables included:
Power cable 500 mm.
Connection cable 60 mm.

Proyector para ser instalado en superficie. Fuente de alimentación no incluida.
Dimmable.

Cables de instalación incluidos:
Cable de alimentación 500 mm.
Cable de conexión 60 mm.

- 03.3970.30A
- 03.3970.02A
- 03.3970.14A

15° SPOT

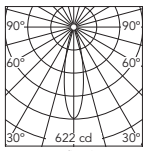


Luminous flux luminaire
161 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1583	0.27
2	396	0.54
3	176	0.81
4	99	1.08
5	63	1.35

- 03.3971.30A
- 03.3971.02A
- 03.3971.14A

24° MEDIUM

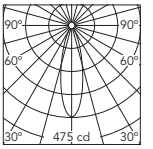


Luminous flux luminaire
152 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	622	0.43
2	156	0.85
3	69	1.28
4	39	1.71
5	25	2.13

- 03.3972.30A
- 03.3972.02A
- 03.3972.14A

28° FLOOD



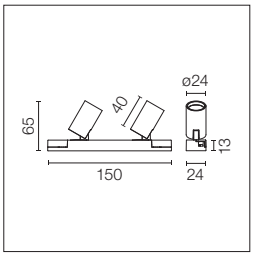
Luminous flux luminaire
157 lm

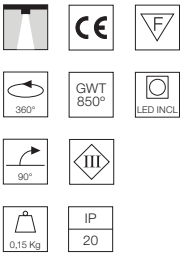
Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	475	0.49
2	119	0.99
3	53	1.48
4	30	1.98
5	19	2.47

LED Squad 2 Spots

Light Source: Power LED 6W - 24V - 2x220 lm - 3000K/CRI 80







Surface mounted spotlight.
Power supply not included.
Non Dimmable.

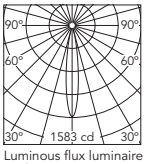
Installation cables included:
Power cable 500 mm.
Connection cable 60 mm.

Proyector para ser instalado en superficie. Fuente de alimentación no incluida.
No Dimmable.

Cables de instalación incluidos:
Cable de alimentación 500 mm.
Cable de conexión 60 mm.

- 03.3975.30A
- 03.3975.02A
- 03.3975.14A

15° SPOT

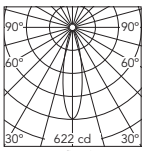


Luminous flux luminaire
161 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1583	0.27
2	396	0.54
3	176	0.81
4	99	1.08
5	63	1.35

- 03.3976.30A
- 03.3976.02A
- 03.3976.14A

24° MEDIUM

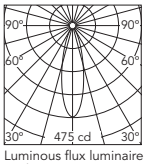


Luminous flux luminaire
152 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	622	0.43
2	156	0.85
3	69	1.28
4	39	1.71
5	25	2.13

- 03.3977.30A
- 03.3977.02A
- 03.3977.14A

28° FLOOD



Luminous flux luminaire
157 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	475	0.49
2	119	0.99
3	53	1.48
4	30	1.98
5	19	2.47

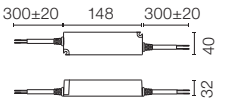
Drivers / Equipos

LED Squad / LED Squad Mini

Electronic transformer with constant voltage (24V) for LED. 100/240V.

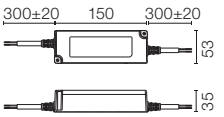
Transformador electrónico de tensión constante (24V) para LED. 100/240V.





25W
60.8703





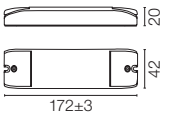
60W
60.9089

LED Squad: except for 2 Spots version / excepto 2 Spots version

Dimmable 1-10V control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable 1-10V de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



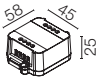


60.8640

Dimmable Dali control unit for 12 to 48V LED modules. Power supply not included.

Unidad de control dimable Dali para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación.





60.9678

LED Squad Mini

Feed cable 2500 mm.

Cable de alimentación 2500 mm.



06.0097.00

Connection cable 150 mm.

Cable de conexión 150 mm.

06.0098.00

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
14,4W
1780 lm
3000K/CRI 80
14,4W
1440 lm
3000K/CRI 90



LIGHT SOURCE
POWER LED
10W
840 lm
3000K/CRI 80



LIGHT SOURCE
PHOSPHOR
LED
17W
1400 lm
3000K/CRI 98
18W
1870 lm
3000K/CRI 80



LIGHT SOURCE
LED QR-CBC 51
GX5.3

☐ 30 Matt White
30 Blanco Mate



■ 14 Matt Black
14 Negro Mate



Description
Lighting system comprising an extruded profile which integrates perfectly in plasterboard ceilings. It is prepared for the simple integration of lighting with LED or halogens 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.

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.

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

Descripción
Sistema de iluminación que se compone de un perfil de extrusión que se integra perfectamente en techos realizados en cartón yeso. Está preparado para integrar de una forma sencilla iluminación con proyectores LED o halógenos.
Los proyectores están preparados para ser instalados directamente sobre el perfil, con equipos remotos de clase II. Además están disponibles en dos tamaños en función de la instalación. Dispone de accesorios para optimizar el confort visual y filtros de color.

Información Adicional
Únicamente instalable en superficies de cartón-yeso de 12,5 mm de espesor.
Es posible cortar los perfiles a cualquier medida.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Profiles
Spot Module
Spot Module Electrical Connection

Channel 70 / Channel 140 Installation

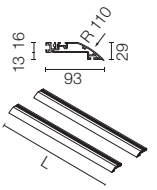
Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Channel installation consists of 1 or 2 meter profiles, double inside and outside corners. It is possible to cut the profiles to any size.

Instalación Canal 70 / Canal 140

Sistema estructural realizado en aluminio para integrar en techos realizados en cartón yeso. Permite incorporar proyectores. Para la instalación en canal se compone de perfiles de 1 ó 2 metros, esquinas interiores y exteriores dobles. Es posible cortar los perfiles a cualquier medida.

Aluminium profile. 2 unit kit.

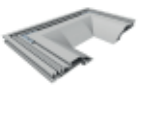
Perfil de aluminio. Kit de 2 unidades.

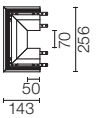


Channel 70 / 140
L: 1000 mm
08.8720.30
08.8720.14
L: 2000 mm
08.8721.30
08.8721.14

End cap.

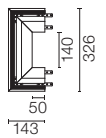
Terminal.





Channel 70
08.8705.30
08.8705.14

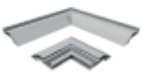


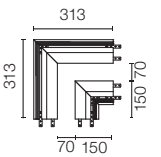


Channel 140
08.8706.30
08.8706.14

Corner.

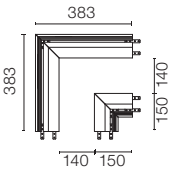
Esquina.





Channel 70
08.8707.30
08.8707.14





Channel 140
08.8708.30
08.8708.14

Perimetral Installation

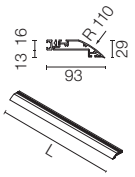
Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Perimetral installation consists of 1 or 2 meter profiles, inside and outside corners. It is possible to cut the profiles to any size.

Instalación Perimetral

Sistema estructural realizado en aluminio para integrar en techos realizados en cartón yeso. Permite incorporar proyectores. Para la instalación permiteral se compone de perfiles de 1 ó 2 metros, esquinas interiores y exteriores. Es posible cortar los perfiles a cualquier medida.

Aluminium profile. 1 unit kit.

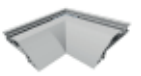
Perfil de aluminio. Kit de 1 unidad.



L: 1000 mm
08.8701.30
08.8701.14
L: 2000 mm
08.8702.30
08.8702.14

Inner corner.

Esquina interior.





08.8709.30
08.8709.14

Outer corner.

Esquina exterior.





08.8710.30
08.8710.14

Accessory for vertical corner.

Accesorio para esquina vertical.



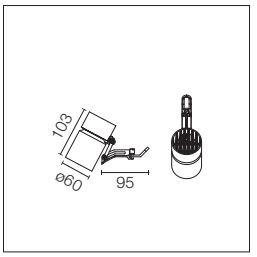


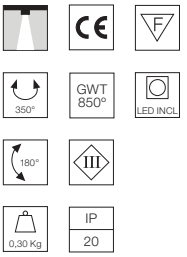
08.8711.00

Spot Module Pro LED Array

Light Source: LED Array / LED Array High Performance DC 500 mA - 18W - 1850 lm - 3000K/CRI 90







Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included. High performance part numbers include high performance reflector.

Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida. Las referencias "High Perfermance" incluyen reflector de alto rendimiento.

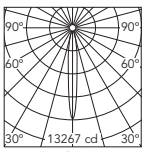
Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Dimmable 0/1-10V / Push 220-240V	60.9188
Dimmable Dali 1 110-240V	60.8847
Dimmable DALI 2 110-240V	60.9222
Mains Dimming 220-240V	60.9467
Casambi 220-240V	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

09.0360.30
09.0360.14

11° SPOT



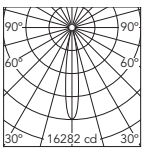
Luminous flux luminaire 1234 lm

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

High Performance

09.0365.30
09.0365.14

16° SPOT

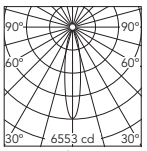


Luminous flux luminaire 1729 lm

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	16282	0.28
2	4071	0.56
3	1809	0.83
4	1018	1.11
5	651	1.39

09.0361.30
09.0361.14

20° MEDIUM



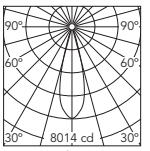
Luminous flux luminaire 1207 lm

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

High Performance

09.0366.30
09.0366.14

28° MEDIUM

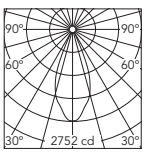


Luminous flux luminaire 1704 lm

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	8014	0.50
2	2004	0.99
3	890	1.49
4	501	1.98
5	321	2.48

09.0362.30
09.0362.14

42° FLOOD



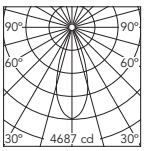
Luminous flux luminaire 1162 lm

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

09.0367.30
09.0367.14

37° FLOOD



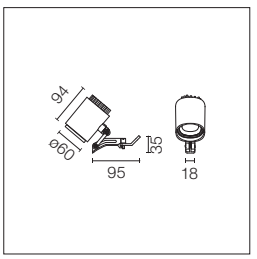
Luminous flux luminaire 1699 lm

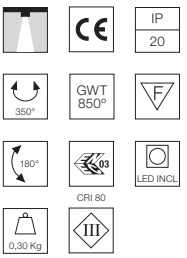
Beam Angle: 37°		
h(m)	E(lx)	D(m)
1	4687	0.67
2	1172	1.34
3	521	2.00
4	293	2.67
5	187	3.34

Spot Module LED Array

Light Source: LED Array DC 450 mA - 14,4W - 1780 lm - 3000K/CRI 80 / 14,4W - 1440 lm - 3000K/CRI 90







Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

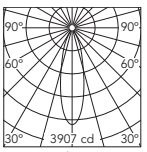
Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Dimmable 0/1-10V 110-240V	60.9188
Dimmable Dali 1 110-240V	60.8847
Mains Dim. Trailing Edge 220-240V	60.9268
Casambi 220-240V	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

CRI 80
09.0211.30A
09.0211.14A

28° MEDIUM

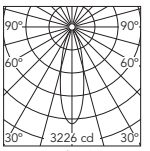


Luminous flux luminaire 1219 lm

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	3907	0.49
2	977	0.99
3	434	1.48
4	244	1.98
5	156	2.47

CRI 90
09.0217.30A
09.0217.14A

28° MEDIUM

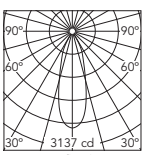


Luminous flux luminaire 1006 lm

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	3226	0.49
2	806	0.99
3	358	1.48
4	202	1.98
5	129	2.47

CRI 80
09.0212.30A
09.0212.14A

32° FLOOD

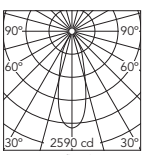


Luminous flux luminaire 1174 lm

Beam Angle: 32°		
h(m)	E(lx)	D(m)
1	3137	0.57
2	784	1.13
3	349	1.70
4	196	2.26
5	125	2.83

CRI 90
09.0218.30A
09.0218.14A

32° FLOOD

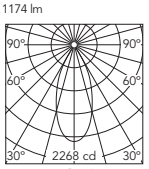


Luminous flux luminaire 969 lm

Beam Angle: 32°		
h(m)	E(lx)	D(m)
1	2590	0.57
2	647	1.13
3	288	1.70
4	162	2.26
5	104	2.83

CRI 80
09.0213.30A
09.0213.14A

43° WIDE FLOOD

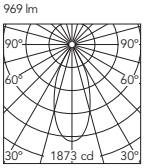


Luminous flux luminaire 1162 lm

Beam Angle: 43°		
h(m)	E(lx)	D(m)
1	2268	0.78
2	567	1.56
3	252	2.34
4	142	3.12
5	91	3.91

CRI 90
09.0219.30A
09.0219.14A

43° WIDE FLOOD



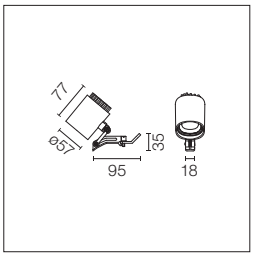
Luminous flux luminaire 959 lm

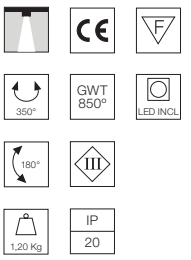
Beam Angle: 43°		
h(m)	E(lx)	D(m)
1	1873	0.78
2	468	1.56
3	208	2.34
4	117	3.12
5	75	3.91

Spot Module Power LED

Light Source: Power LED DC 900 mA - 10W - 840 lm - 3000K/CRI 80







Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

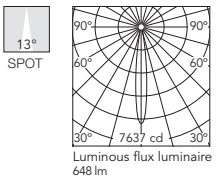
Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9162
Dimmable 0/1-10V 110-240V	60.9188
Dimmable DALI 2 110-240V	60.9186
Mains Dimming 220-240V	60.9467
Casambi 220-240V	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

09.0220.30A
09.0220.14A

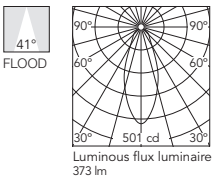


Luminous flux luminaire
648 lm

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	7637	0.23
2	1909	0.46
3	849	0.69
4	477	0.92
5	305	1.14

09.0221.30A
09.0221.14A



Luminous flux luminaire
373 lm

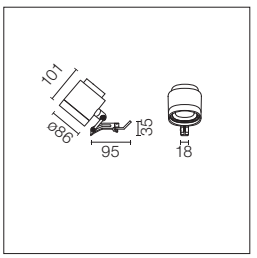
Beam Angle: 41°

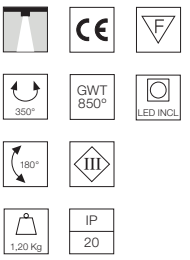
h(m)	E(lx)	D(m)
1	501	0.75
2	125	1.50
3	56	2.25
4	31	3.00
5	20	3.75

Spot Module Phosphor LED

Light Source: Phosphor LED DC 650 mA - 18W - 1870 lm - 3000K/CRI 80 / DC 700 mA - 17W - 1400 lm - 3000K/CRI 98







Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

Only for Channel 140 installation.

Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

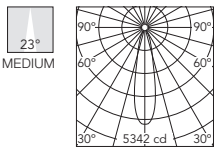
Solo para instalación en Canal 140.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9162
Dimmable 0/1-10V 110-240V	60.9188
Dimmable DALI 2 110-240V	60.9186
Mains Dimming 220-240V	60.9467
Casambi 220-240V	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

CRI 80
09.0230.30
09.0230.14

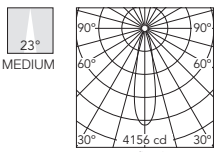


Luminous flux luminaire
1242 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	5342	0.41
2	1336	0.81
3	594	1.22
4	334	1.63
5	214	2.03

CRI 98
09.0232.30
09.0232.14

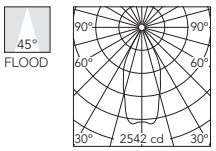


Luminous flux luminaire
965 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	4156	0.41
2	1039	0.81
3	462	1.22
4	260	1.63
5	166	2.04

CRI 80
09.0231.30
09.0231.14

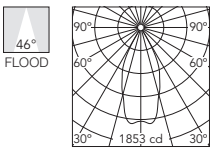


Luminous flux luminaire
1406 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2542	0.84
2	636	1.68
3	282	2.52
4	159	3.35
5	102	4.19

CRI 98
09.0233.30
09.0233.14



Luminous flux luminaire
1035 lm

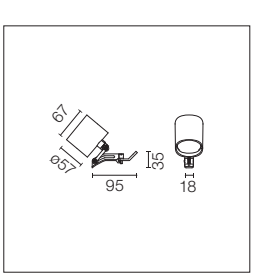
Beam Angle: 46°

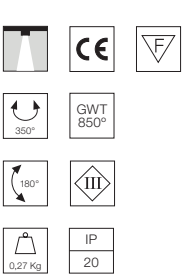
h(m)	E(lx)	D(m)
1	1853	0.85
2	463	1.70
3	206	2.54
4	116	3.39
5	74	4.24

Spot Module QR-CBC 51

Light Source: LED QR-CBC 51 GX5.3







Spotlight to be installed on Light Cut Mini system. Electronic transformer remote not included.

Proyector para ser instalado en sistema Light Cut Mini. Transformador electrónico remoto no incluido.

09.0203.30
09.0203.14

Accessories / Accesorios

Spot module: Power LED / QR-CBC 51

Screening cylinder. Acccesorio de apantallamiento.		08.8380.30 08.8380.14
Filter-holder made from injected aluminium. Portafiltros realizado en aluminio inyectado.		08.8363.30 08.8363.14
Honeycomb Honeycomb		08.8182.14
Blue filter Filtro azul		08.8230.64.OD
Sky blue filter Filtro celeste		08.8230.65.OD
Amber filter Filtro ámbar		08.8230.66.OD
Red filter Filtro rojo		08.8230.67.OD
U.V. filter Filtro anti U.V.		08.8230.98.OD
Hot light Hot light		08.8230.69
Cold light Cold light		08.8230.CL
Daylight Daylight		08.8230.DL
Neodimium Neodimium		08.8230.ND

Spot module: LED Array 14,4W

Honeycomb Honeycomb		08.8502.14
Blue filter Filtro azul		08.8501.64.OD
Sky blue filter Filtro celeste		08.8501.65.OD
Amber filter Filtro ámbar		08.8501.66.OD
Red filter Filtro rojo		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

Spot module: LED Array 18W

Honeycomb Honeycomb		08.3309.14
Elliptical lens Lente elíptica		08.8627.68
Flood lens Lente flood		08.3310.19

HIGH COMFORT

Oblique Floor, Oblique, Light Shadow,
Light Shadow Pro&Dots, Circle of Light,
LED Curtain.

NEW

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 Matt White
DY Blanco Mate

AH Gloss Grey
AH Gris Brillo

DX Matt Rust
DX Óxido Mate

DW Matt Brown
DW Marrón Mate

DR Matt Anthracite
DR Antracita Mate

DV Gloss Salvia
DV Salvia Brillo



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.

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

Descripción
Lámpara de pie con iluminación directa asimétrica y soporte de suelo. Interacción háptica para encendido y regulación. Cuerpo de aluminio fundido. Cabezal de aluminio fundido con lente asimétrica full cut-off integrada en metacrilato estampado por inyección. Estructura realizada con un tubo de aleación de aluminio extruido trabajado mecánicamente. Fuentes LED totalmente ocultas a la vista para el máximo confort visual sin necesidad de diafragmas ni accesorios antideslumbrantes que limitan las prestaciones de la luminaria. La unidad óptica especial patentada supera los estándares de iluminación habituales para aplicaciones en entornos residenciales, de trabajo y estudio, con una alta protección contra el deslumbramiento y una calidad lumínica extraordinaria.

Unidades de Alimentación
Trasformador electrónico 100-240V - 50/60 Hz.

Información Adicional
Índice de protección IP20.
Clase de aislamiento III.

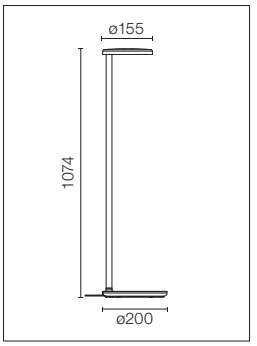
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

NEW

Oblique Floor

Light Source: Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90



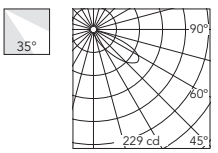


Floor lamp that, thanks to its innovative patented lens, offers asymmetrical light distribution and excellent visual comfort. Its shape, height and dimensions are consistent with the functionality of the product, which provides excellent reading or companion lighting while keeping the light source invisible to the user.

Lámpara de pie que, gracias a su innovadora lente patentada, ofrece una distribución lumínica asimétrica a la par que un confort visual excelente. Su forma, altura y dimensiones están en concordancia con la funcionalidad del producto, que entrega una excelente iluminación de lectura o acompañamiento al tiempo que mantiene la fuente de luz oculta al acceso visual del usuario.

2700K

- 09.8220.DY
- 09.8220.AH
- 09.8220.DX
- 09.8220.DW
- 09.8220.DR
- 09.8220.DV

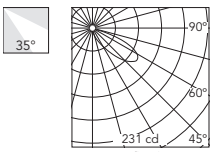


Luminous flux luminaire
479 lm

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

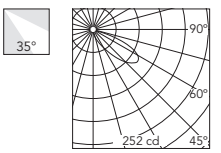


Luminous flux luminaire
482 lm

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



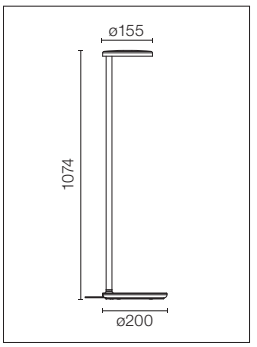
Luminous flux luminaire
525 lm

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

Light Source: Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90



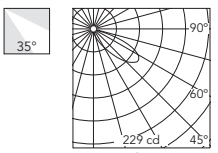


Floor lamp that, thanks to its innovative patented lens, offers asymmetrical light distribution and excellent visual comfort. Its shape, height and dimensions are consistent with the functionality of the product, which provides excellent reading or companion lighting while keeping the light source invisible to the user.
Model with USB-C mobile charging in its base.

Lámpara de pie que, gracias a su innovadora lente patentada, ofrece una distribución lumínica asimétrica a la par que un confort visual excelente. Su forma, altura y dimensiones están en concordancia con la funcionalidad del producto, que entrega una excelente iluminación de lectura o acompañamiento al tiempo que mantiene la fuente de luz oculta al acceso visual del usuario.
Modelo con carga para móviles USB-C en su base.

2700K

- 09.8230.DY
- 09.8230.AH
- 09.8230.DX
- 09.8230.DW
- 09.8230.DR
- 09.8230.DV

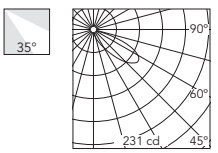


Luminous flux luminaire
479 lm

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

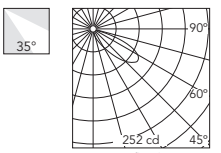


Luminous flux luminaire
482 lm

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

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 Matt White
DY Blanco Mate



AH Gloss Grey
AH Gris Brillo



DX Matt Rust
DX Óxido Mate



DW Matt Brown
DW Marrón Mate



DR Matt Anthracite
DR Antracita Mate



DV Gloss Salvia
DV Salvia Brillo



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.

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

Descripción
Lámpara de mesa con luz directa y soporte. Cuerpo de aluminio fundido. Cabezal de aluminio fundido con lente asimétrica full cut-off integrada en metacrilato estampado por inyección. Fuentes LED totalmente ocultos a la vista para el máximo confort visual sin necesidad de diafragmas ni accesorios antideslumbrantes que limitan las prestaciones del cuerpo de la lámpara. La unidad óptica especial patentada supera los estándares de iluminación habituales para aplicaciones en entornos de trabajo y estudio, proporcionando unos valores de iluminación de la superficie de trabajo superiores a 1000 lux con una alta protección contra el deslumbramiento y una reducción al mínimo del parpadeo.
La base de la lámpara está equipada en todas las versiones con una toma USB-C para recargar dispositivos compatibles.
Las versiones Qi presentan una cubierta externa polimérica de la base que permite la recarga adicional de dispositivos móviles de forma inalámbrica. Estructura realizada con un tubo de aleación de aluminio extruido trabajado mecánicamente.
El interruptor regulador (dimmer) y ON/OFF está integrado en la base y dispone de temporizador.

Unidades de Alimentación
Trasformador electrónico 100-240V - 50/60 Hz.

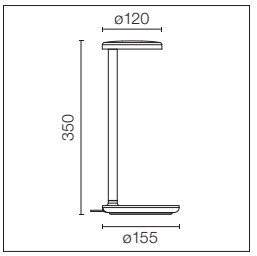
Información Adicional
Índice de protección IP20.
Clase de aislamiento III.

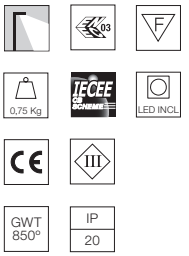
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Oblique

Light Source: Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90





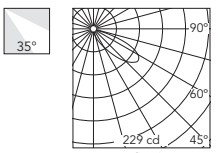


Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices.

Lámpara de mesa profesional con óptica asimétrica patentada. Se incluye una fuente de alimentación externa equipada con un cable de 1500 mm. Toma USB-C integrada en la base de la luminaria diseñada para cargar dispositivos compatibles.

2700K

- 09.8300.DY
- 09.8300.AH
- 09.8300.DX
- 09.8300.DW
- 09.8300.DR
- 09.8300.DV

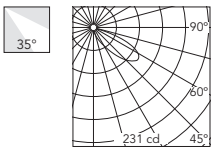


Luminous flux luminaire
479 lm

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

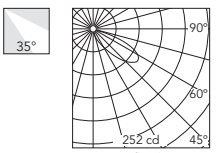


Luminous flux luminaire
482 lm

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



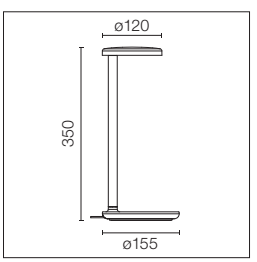
Luminous flux luminaire
525 lm

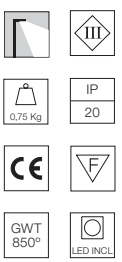
Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	252	2.18
2	63	4.36
3	28	6.54
4	16	8.72
5	10	10.90

Oblique Qi

Light Source: Top LED 8W - 48V - 750 lm - 2700K/CRI 90 / 8W - 48V - 800 lm - 3000K/CRI 90 / 8W - 48V - 850 lm - 4000K/CRI 90





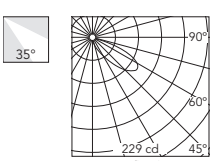


Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices. Base with Qi compatible wireless recharging system for mobile devices and wireless recharging cases for compatible devices.

Lámpara de mesa profesional con óptica asimétrica patentada. Se incluye una fuente de alimentación externa equipada con un cable de 1500 mm. Toma USB-C integrada en la base de la luminaria diseñada para cargar dispositivos compatibles. Base con sistema de carga inalámbrica compatible con Qi preparada para dispositivos móviles y cargadores inalámbricos para dispositivos compatibles.

2700K

- 09.8310.DY
- 09.8310.AH
- 09.8310.DX
- 09.8310.DW
- 09.8310.DR
- 09.8310.DV

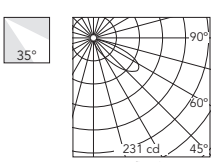


Luminous flux luminaire
479 lm

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

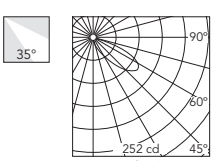


Luminous flux luminaire
482 lm

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

NEW

LIGHT SHADOW

DESIGNED BY FLOS ARCHITECTURAL

FLOS CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

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
*Mains dimming
2,3W x Spot
225 lm x Spot
2700K/CRI 90
238 lm x Spot
3000K/CRI 90

NEW

Internal Finish

Light Shadow Fixed / Fixed Square
Adjustable / Surface / Surface Square

HIGH COMFORT

White
Blanco



Black
Negro



Copper
Cobre



Steel
Acero



Bronze
Bronce



External Plate Finish

Light Shadow Fixed / Fixed Square
Adjustable / Surface / Surface Square

White
Blanco



Black
Negro



External Plate Finish

Light Shadow Wall-Washer

White
Blanco



Black
Negro



Box Finish

Light Shadow Surface / Surface Square

White
Blanco



Black
Negro



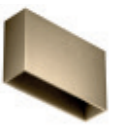
Brushed Copper
Cobre Cepillado



Brushed Steel
Acero Cepillado



Brushed Bronze
Bronce Cepillado



Teak
Teca



Light Shadow for The Running Magnet

LIGHT SHADOW



LIGHT SHADOW
WALL-WASHER



See The Running Magnet collection / Ver la colección The Running Magnet

NEW

LIGHT SHADOW

DESIGNED BY FLOS ARCHITECTURAL

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.

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

Descripción
Luminarias de interior, empotrables y de superficie.
Debido a sus principales cualidades: reducido tamaño, rendimiento y gran apantallamiento, facilitan su total integración en espacios.
La familia nace de la necesidad de una luminaria compacta y de fácil instalación, con el estilo distintivo de Flos, capaz de producir una iluminación de alta eficiencia y respetando a su vez los más altos estándares de confort visual, en versiones con cuerpos de apantantallamiento negros.
- Versiones empotrables fijas y ajustables: 2/4/8/12 spots (Trim / No Trim).
- Versiones fijas de superficie: 4 spots.
- Versión wall-washer: 4 spots (Trim / No Trim).
La familia se ofrece con ópticas de súper acento, acento e iluminación general.
Para dar soluciones en ambientes más decorativos se ha desarrollado la siguiente gama de colores con combinación de acabados pintados exteriores e interiores:
- acabados exteriores: blanco y negro.
- acabados interiores: blanco, acero, bronce, cobre y negro (alto confort óptico).
- box exterior de la versión de superficie: blanco, negro acero cepillado, bronce cepillado, cobre cepillado y teka.

Unidades de Alimentación
Versiones dimmables DALI, Mains Dim y Casambi disponibles. Ver modelos.
Versiones con equipo 110V disponibles bajo pedido.

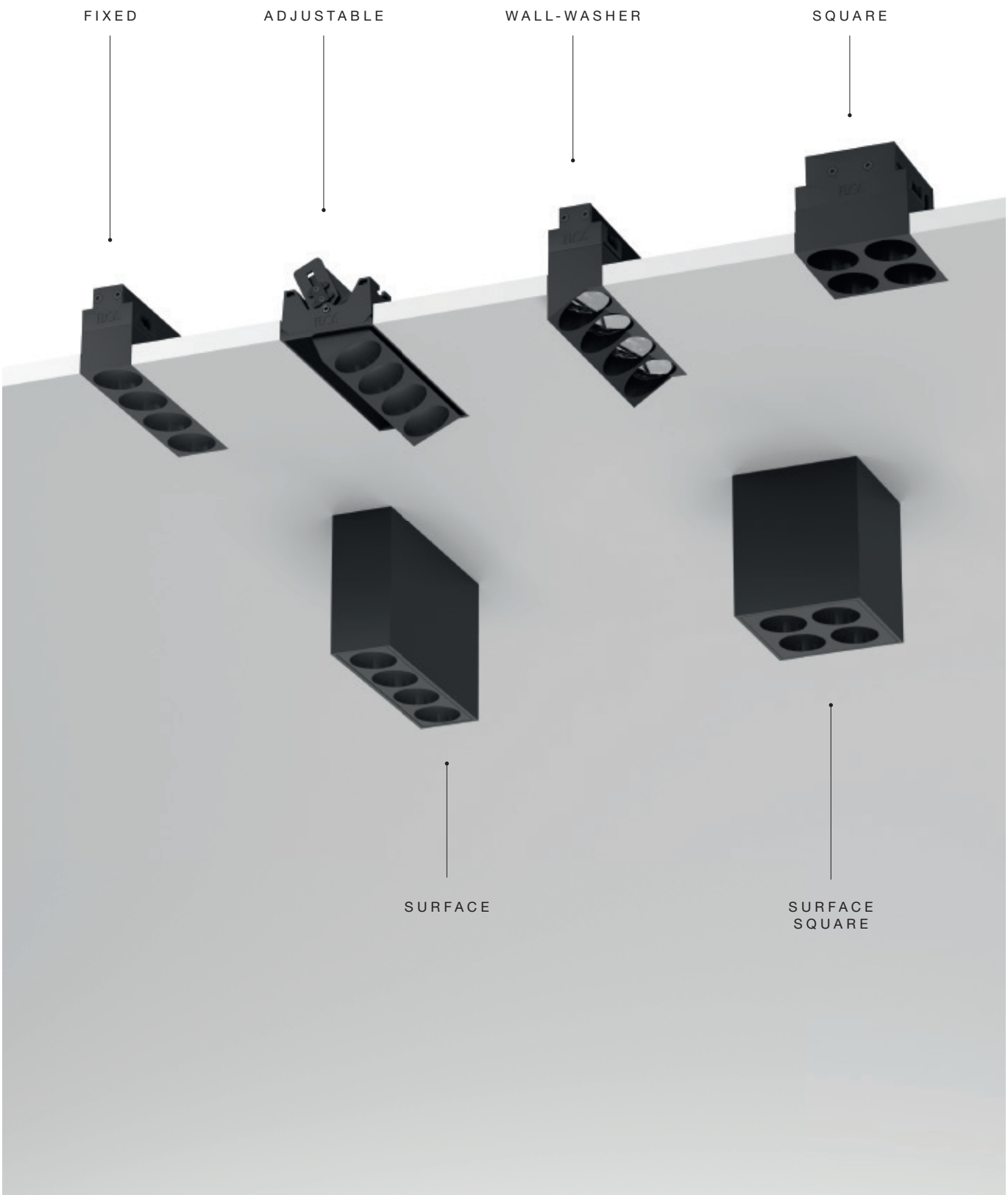
Accesorios
Para la versión No Trim, necesario marco de pre-instalación realizado en aluminio para su instalación en falso techo. Ha de pedirse por separado (no es necesario para la versión Trim).

Información Adicional
La versión No Trim se ha diseñado para una instalación en placas de cartón yeso de un espesor de 12,5 mm.
Índice de protección IP20, IP23, IP44, IP55 según las versiones.
Clase de aislamiento II.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Trim | No Trim | Surface | Continuous Line

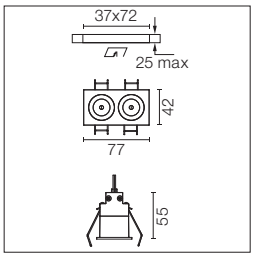
NEW

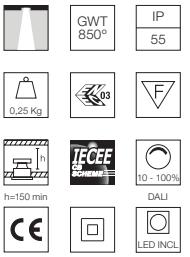

FIXED
ADJUSTABLE
WALL-WASHER
SQUARE
SURFACE
SURFACE
SQUARE

Light Shadow Fixed Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







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

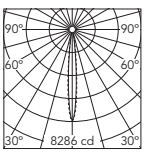
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8820.40A
03.8820.14A
Dali Version
03.8820.40ADA
03.8820.14ADA
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
03.8821.40ADA
03.8821.14ADA
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
05.1000.40ADA
05.1000.14ADA
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
05.1001.40ADA
05.1001.14ADA
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
05.1002.40ADA
05.1002.14ADA
Mains Dimming
05.1002.40ANI
05.1002.14ANI
Casambi
05.1002.40ACB
05.1002.14ACB





Luminous flux luminaire
453 lm (EXTREME CUT OFF)

@White (40)

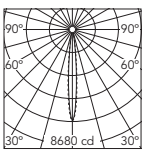
Beam Angle: 10°

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

Optic Spot 3000K

E I Non Dimmable
03.8824.40A
03.8824.14A
Dali Version
03.8824.40ADA
03.8824.14ADA
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
03.8825.40ADA
03.8825.14ADA
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
05.1005.40ADA
05.1005.14ADA
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
05.1006.40ADA
05.1006.14ADA
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
05.1007.40ADA
05.1007.14ADA
Mains Dimming
05.1007.40ANI
05.1007.14ANI
Casambi
05.1007.40ACB
05.1007.14ACB





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	543	0.70
5	347	0.87

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9100.40A
03.9100.14A

Dali Version
03.9100.40ADA
03.9100.14ADA

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
03.9101.40ADA
03.9101.14ADA

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
05.1010.40ADA
05.1010.14ADA

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
05.1011.40ADA
05.1011.14ADA

Mains Dimming
05.1011.40ANI
05.1011.14ANI

Casambi
05.1011.40ACB
05.1011.14ACB

Non Dimmable
05.1012.40A
05.1012.14A

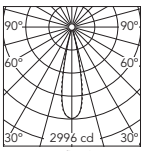
Dali Version
05.1012.40ADA
05.1012.14ADA

Mains Dimming
05.1012.40ANI
05.1012.14ANI

Casambi
05.1012.40ACB
05.1012.14ACB



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
03.9110.40A
03.9110.14A

Dali Version
03.9110.40ADA
03.9110.14ADA

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
03.9111.40ADA
03.9111.14ADA

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
05.1015.40ADA
05.1015.14ADA

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
05.1016.40ADA
05.1016.14ADA

Mains Dimming
05.1016.40ANI
05.1016.14ANI

Casambi
05.1016.40ACB
05.1016.14ACB

Non Dimmable
05.1017.40A
05.1017.14A

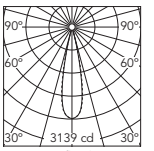
Dali Version
05.1017.40ADA
05.1017.14ADA

Mains Dimming
05.1017.40ANI
05.1017.14ANI

Casambi
05.1017.40ACB
05.1017.14ACB



MEDIUM



Luminous flux luminaire
470 lm (EXTREME CUT OFF)

@White (40)

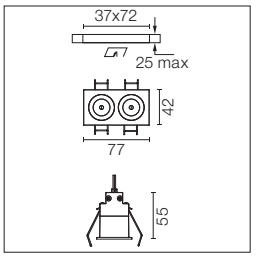
Beam Angle: 22°

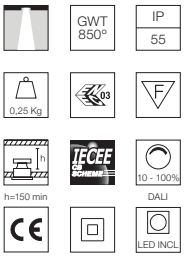
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Fixed Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







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

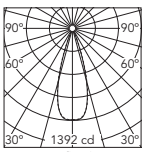
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9105.40A
03.9105.14A
Dali Version
03.9105.40ADA
03.9105.14ADA
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
03.9106.40ADA
03.9106.14ADA
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
05.1020.40ADA
05.1020.14ADA
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
05.1021.40ADA
05.1021.14ADA
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
05.1022.40ADA
05.1022.14ADA
Mains Dimming
05.1022.40ANI
05.1022.14ANI
Casambi
05.1022.40ACB
05.1022.14ACB

33° FLOOD



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

@White (40)

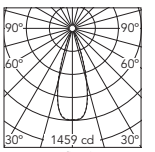
Beam Angle: 33°

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
03.9115.40A
03.9115.14A
Dali Version
03.9115.40ADA
03.9115.14ADA
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
03.9116.40ADA
03.9116.14ADA
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
05.1025.40ADA
05.1025.14ADA
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
05.1026.40ADA
05.1026.14ADA
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
05.1027.40ADA
05.1027.14ADA
Mains Dimming
05.1027.40ANI
05.1027.14ANI
Casambi
05.1027.40ACB
05.1027.14ACB

33° FLOOD



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

NEW

Optic Wide Flood 2700K

E I

Non Dimmable
03.8300.40A
03.8300.14A

Dali Version
03.8300.40ADA
03.8300.14ADA

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
03.8301.40ADA
03.8301.14ADA

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
05.1030.40ADA
05.1030.14ADA

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
05.1031.40ADA
05.1031.14ADA

Mains Dimming
05.1031.40ANI
05.1031.14ANI

Casambi
05.1031.40ACB
05.1031.14ACB

Non Dimmable
05.1032.40A
05.1032.14A

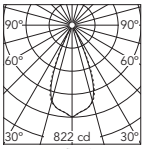
Dali Version
05.1032.40ADA
05.1032.14ADA

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)

@White (40)

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

Optic Wide Flood 3000K

E I

Non Dimmable
03.8304.40A
03.8304.14A

Dali Version
03.8304.40ADA
03.8304.14ADA

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
03.8305.40ADA
03.8305.14ADA

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
05.1035.40ADA
05.1035.14ADA

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
05.1036.40ADA
05.1036.14ADA

Mains Dimming
05.1036.40ANI
05.1036.14ANI

Casambi
05.1036.40ACB
05.1036.14ACB

Non Dimmable
05.1037.40A
05.1037.14A

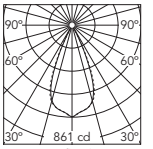
Dali Version
05.1037.40ADA
05.1037.14ADA

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)

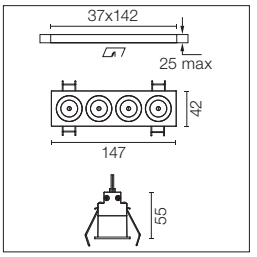
@White (40)

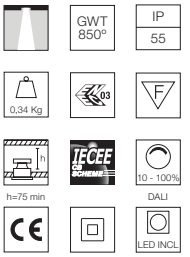
Beam Angle:	45°
h(m)	E(lx) D(m)
1	861 0.83
2	215 1.67
3	96 2.50
4	54 3.34
5	34 4.17

Light Shadow Fixed Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

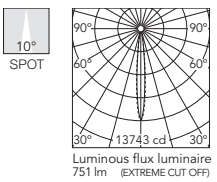
E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8828.40A
03.8828.14A
Dali Version
03.8828.40ADA
03.8828.14ADA
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
03.8829.40ADA
03.8829.14ADA
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
05.1100.40ADA
05.1100.14ADA
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
05.1101.40ADA
05.1101.14ADA
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
05.1102.40ADA
05.1102.14ADA
Mains Dimming
05.1102.40ANI
05.1102.14ANI
Casambi
05.1102.40ACB
05.1102.14ACB



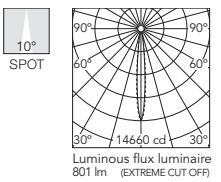
Beam Angle: 10°

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

@White (40)

Optic Spot 3000K

E I Non Dimmable
03.8832.40A
03.8832.14A
Dali Version
03.8832.40ADA
03.8832.14ADA
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
03.8833.40ADA
03.8833.14ADA
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
05.1105.40ADA
05.1105.14ADA
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
05.1106.40ADA
05.1106.14ADA
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
05.1107.40ADA
05.1107.14ADA
Mains Dimming
05.1107.40ANI
05.1107.14ANI
Casambi
05.1107.40ACB
05.1107.14ACB



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

@White (40)

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9120.40A
03.9120.14A

Dali Version
03.9120.40ADA
03.9120.14ADA

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
03.9121.40ADA
03.9121.14ADA

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
05.1110.40ADA
05.1110.14ADA

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
05.1111.40ADA
05.1111.14ADA

Mains Dimming
05.1111.40ANI
05.1111.14ANI

Casambi
05.1111.40ACB
05.1111.14ACB

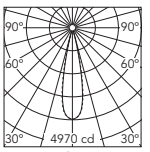
Non Dimmable
05.1112.40A
05.1112.14A

Dali Version
05.1112.40ADA
05.1112.14ADA

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
03.9130.40ADA
03.9130.14ADA

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
03.9131.40ADA
03.9131.14ADA

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
05.1115.40ADA
05.1115.14ADA

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
05.1116.40ADA
05.1116.14ADA

Mains Dimming
05.1116.40ANI
05.1116.14ANI

Casambi
05.1116.40ACB
05.1116.14ACB

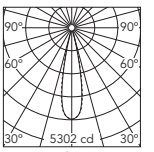
Non Dimmable
05.1117.40A
05.1117.14A

Dali Version
05.1117.40ADA
05.1117.14ADA

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)

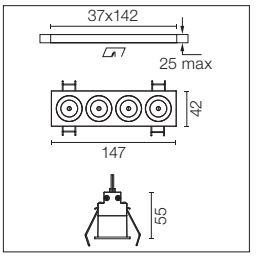
Beam Angle: 22°

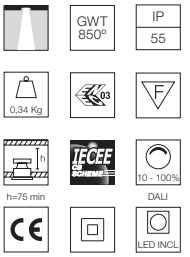
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Light Shadow Fixed Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







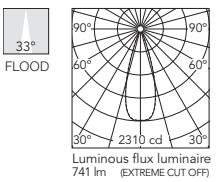
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K



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

E I

Non Dimmable
03.9125.40A
03.9125.14A

Dali Version
03.9125.40ADA
03.9125.14ADA

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
03.9126.40ADA
03.9126.14ADA

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
05.1120.40ADA
05.1120.14ADA

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
05.1121.40ADA
05.1121.14ADA

Mains Dimming
05.1121.40ANI
05.1121.14ANI

Casambi
05.1121.40ACB
05.1121.14ACB

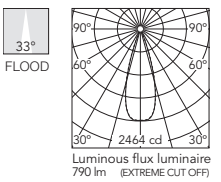
Non Dimmable
05.1122.40A
05.1122.14A

Dali Version
05.1122.40ADA
05.1122.14ADA

Mains Dimming
05.1122.40ANI
05.1122.14ANI

Casambi
05.1122.40ACB
05.1122.14ACB

Optic Flood 3000K



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

E I

Non Dimmable
03.9135.40A
03.9135.14A

Dali Version
03.9135.40ADA
03.9135.14ADA

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
03.9136.40ADA
03.9136.14ADA

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
05.1125.40ADA
05.1125.14ADA

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
05.1126.40ADA
05.1126.14ADA

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
05.1127.40ADA
05.1127.14ADA

Mains Dimming
05.1127.40ANI
05.1127.14ANI

Casambi
05.1127.40ACB
05.1127.14ACB

NEW

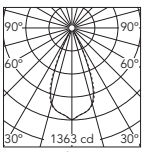
Optic Wide Flood 2700K

E I

Non Dimmable
03.8308.40A
03.8308.14A
Dali Version
03.8308.40ADA
03.8308.14ADA
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
03.8309.40ADA
03.8309.14ADA
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
05.1130.40ADA
05.1130.14ADA
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
05.1131.40ADA
05.1131.14ADA
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
05.1132.40ADA
05.1132.14ADA
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)

@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

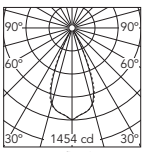
Optic Wide Flood 3000K

E I

Non Dimmable
03.8312.40A
03.8312.14A
Dali Version
03.8312.40ADA
03.8312.14ADA
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
03.8313.40ADA
03.8313.14ADA
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
05.1135.40ADA
05.1135.14ADA
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
05.1136.40ADA
05.1136.14ADA
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
05.1137.40ADA
05.1137.14ADA
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)

@White (40)

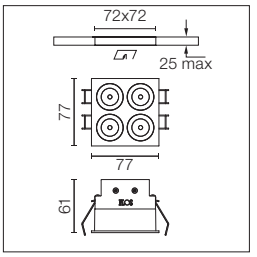
Beam Angle: 45°

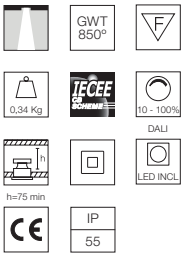
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Light Shadow Fixed Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

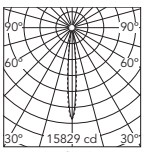
E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K





Luminous flux luminaire
865 lm (EXTREME CUT OFF)

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

@White (40)

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

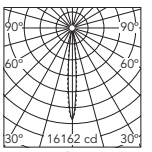
Dali Version
05.0602.40.DA
05.0602.14.DA

Mains Dimming
05.0602.40.NI
05.0602.14.NI

Casambi
05.0602.40.CB
05.0602.14.CB

Optic Spot 3000K





Luminous flux luminaire
883 lm (EXTREME CUT OFF)

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

@White (40)

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

NEW

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

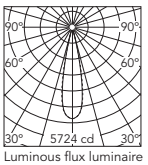
Non Dimmable
05.0612.40
05.0612.14

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





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

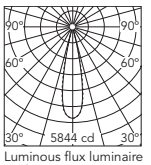
Non Dimmable
05.0617.40
05.0617.14

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





Luminous flux luminaire
874 lm (EXTREME CUT OFF)

@White (40)

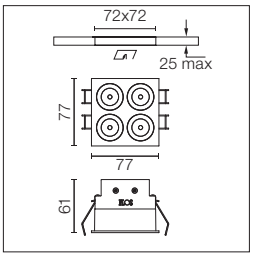
Beam Angle: 22°

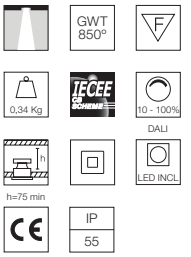
h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

Light Shadow Fixed Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







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

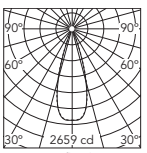
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

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)

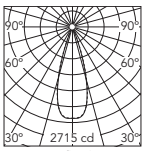
Beam Angle: 33°

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°

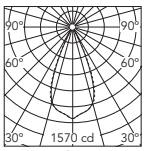
h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

NEW

Optic Wide Flood 2700K



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

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

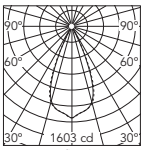
Mains Dimming
05.0632.40.NI
05.0632.14.NI

Casambi
05.0632.40.CB
05.0632.14.CB

Optic Wide Flood 3000K



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

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

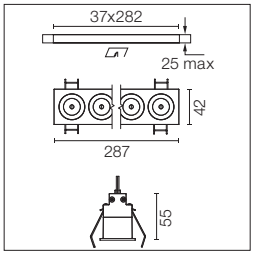
Mains Dimming
05.0637.40.NI
05.0637.14.NI

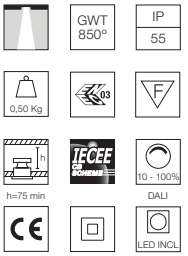
Casambi
05.0637.40.CB
05.0637.14.CB

Light Shadow Fixed Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

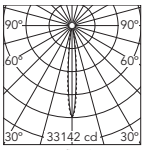
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8836.40A
03.8836.14A
Dali Version
03.8836.40ADA
03.8836.14ADA
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
03.8837.40ADA
03.8837.14ADA
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
05.1200.40ADA
05.1200.14ADA
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
05.1201.40ADA
05.1201.14ADA
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
05.1202.40ADA
05.1202.14ADA
Mains Dimming
05.1202.40ANI
05.1202.14ANI
Casambi
05.1202.40ACB
05.1202.14ACB

10° SPOT



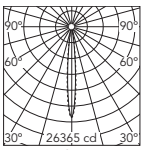
Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@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
1441 lm (EXTREME CUT OFF)

@White (40) 750mA

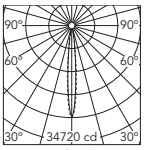
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8840.40A
03.8840.14A
Dali Version
03.8840.40ADA
03.8840.14ADA
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
03.8841.40ADA
03.8841.14ADA
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
05.1205.40ADA
05.1205.14ADA
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
05.1206.40ADA
05.1206.14ADA
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
05.1207.40ADA
05.1207.14ADA
Mains Dimming
05.1207.40ANI
05.1207.14ANI
Casambi
05.1207.40ACB
05.1207.14ACB

10° SPOT



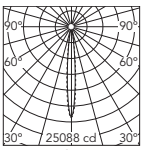
Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@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
1371 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

NEW

Optic Medium 2700K

E I Non Dimmable

03.9140.40A
03.9140.14A

Dali Version

03.9140.40ADA
03.9140.14ADA

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

03.9141.40ADA
03.9141.14ADA

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

05.1210.40ADA
05.1210.14ADA

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

05.1211.40ADA
05.1211.14ADA

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

05.1212.40ADA
05.1212.14ADA

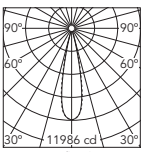
Mains Dimming

05.1212.40ANI
05.1212.14ANI

Casambi

05.1212.40ACB
05.1212.14ACB

22° MEDIUM

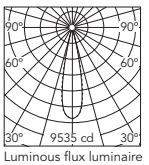


Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@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
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	9535	0.39
2	2384	0.78
3	1059	1.17
4	596	1.56
5	381	1.95

Optic Medium 3000K

E I Non Dimmable

03.9150.40A
03.9150.14A

Dali Version

03.9150.40ADA
03.9150.14ADA

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

03.9151.40ADA
03.9151.14ADA

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

05.1215.40ADA
05.1215.14ADA

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

05.1216.40ADA
05.1216.14ADA

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

05.1217.40ADA
05.1217.14ADA

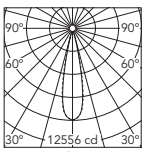
Mains Dimming

05.1217.40ANI
05.1217.14ANI

Casambi

05.1217.40ACB
05.1217.14ACB

22° MEDIUM

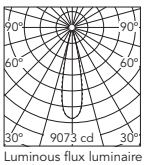


Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@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
1357 lm (EXTREME CUT OFF)

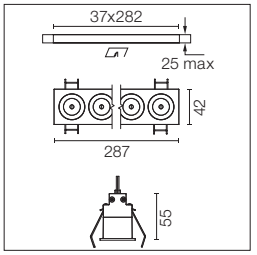
@White (40) 750mA

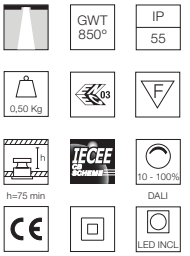
Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	9073	0.39
2	2268	0.78
3	1008	1.17
4	567	1.56
5	363	1.95

Light Shadow Fixed Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

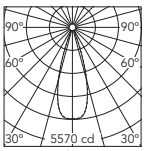
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9145.40A
03.9145.14A
Dali Version
03.9145.40ADA
03.9145.14ADA
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
03.9146.40ADA
03.9146.14ADA
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
05.1220.40ADA
05.1220.14ADA
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
05.1221.40ADA
05.1221.14ADA
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
05.1222.40ADA
05.1222.14ADA
Mains Dimming
05.1222.40ANI
05.1222.14ANI
Casambi
05.1222.40ACB
05.1222.14ACB

33° FLOOD



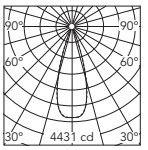
Luminous flux luminaire
1787 lm (EXTREME CUT OFF)

@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
1421 lm (EXTREME CUT OFF)

@White (40) 750mA

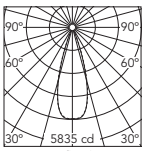
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Optic Flood 3000K

E I Non Dimmable
03.9155.40A
03.9155.14A
Dali Version
03.9155.40ADA
03.9155.14ADA
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
03.9156.40ADA
03.9156.14ADA
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
05.1225.40ADA
05.1225.14ADA
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
05.1226.40ADA
05.1226.14ADA
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
05.1227.40ADA
05.1227.14ADA
Mains Dimming
05.1227.40ANI
05.1227.14ANI
Casambi
05.1227.40ACB
05.1227.14ACB

33° FLOOD



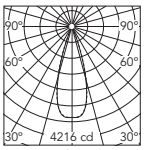
Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

@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
1353 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

NEW

Optic Wide Flood 2700K

E I Non Dimmable

03.8316.40A
03.8316.14A

Dali Version

03.8316.40ADA
03.8316.14ADA

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

03.8317.40ADA
03.8317.14ADA

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

05.1230.40ADA
05.1230.14ADA

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

05.1231.40ADA
05.1231.14ADA

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

05.1232.40ADA
05.1232.14ADA

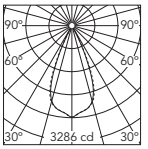
Mains Dimming

05.1232.40ANI
05.1232.14ANI

Casambi

05.1232.40ACB
05.1232.14ACB

45° WIDE FLOOD

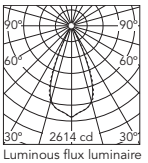


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@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
1403 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°	
h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.8320.40A
03.8320.14A

Dali Version

03.8320.40ADA
03.8320.14ADA

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

03.8321.40ADA
03.8321.14ADA

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

05.1235.40ADA
05.1235.14ADA

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

05.1236.40ADA
05.1236.14ADA

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

05.1237.40ADA
05.1237.14ADA

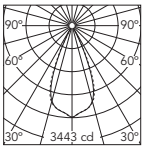
Mains Dimming

05.1237.40ANI
05.1237.14ANI

Casambi

05.1237.40ACB
05.1237.14ACB

45° WIDE FLOOD

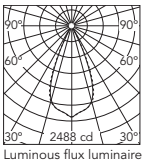


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@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
1335 lm (EXTREME CUT OFF)

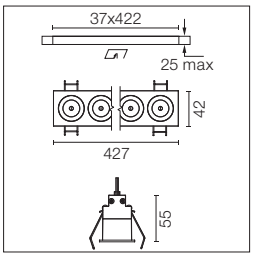
@White (40) 750mA

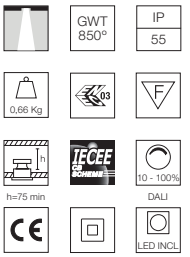
Beam Angle:	45°	
h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

Light Shadow Fixed Trim 12 Spots

Light Source: 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 - 3000K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







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

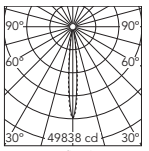
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8844.40A
03.8844.14A
Dali & Push Version
03.8844.40ADA
03.8844.14ADA
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
03.8845.40ADA
03.8845.14ADA
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
05.1300.40ADA
05.1300.14ADA
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
05.1301.40ADA
05.1301.14ADA
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
05.1302.40ADA
05.1302.14ADA
Mains Dimming
05.1302.40ANI
05.1302.14ANI
Casambi
05.1302.40ACB
05.1302.14ACB

10° SPOT



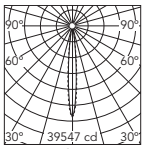
Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@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
2162 lm (EXTREME CUT OFF)

@White (40) 750mA

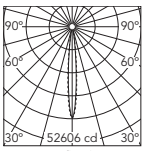
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

Optic Spot 3000K

E I Non Dimmable
03.8848.40A
03.8848.14A
Dali & Push Version
03.8848.40ADA
03.8848.14ADA
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
03.8849.40ADA
03.8849.14ADA
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
05.1305.40ADA
05.1305.14ADA
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
05.1306.40ADA
05.1306.14ADA
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
05.1307.40ADA
05.1307.14ADA
Mains Dimming
05.1307.40ANI
05.1307.14ANI
Casambi
05.1307.40ACB
05.1307.14ACB

10° SPOT



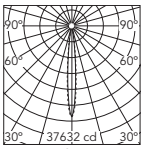
Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@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
2057 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

NEW

Optic Medium 2700K

E I Non Dimmable

03.9160.40A
03.9160.14A

Dali & Push Version

03.9160.40ADA
03.9160.14ADA

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

03.9161.40ADA
03.9161.14ADA

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

05.1310.40ADA
05.1310.14ADA

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

05.1311.40ADA
05.1311.14ADA

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

05.1312.40ADA
05.1312.14ADA

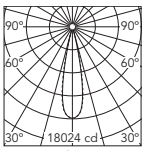
Mains Dimming

05.1312.40ANI
05.1312.14ANI

Casambi

05.1312.40ACB
05.1312.14ACB

22°
MEDIUM

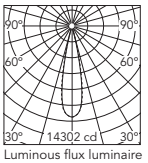


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@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
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Optic Medium 3000K

E I Non Dimmable

03.9170.40A
03.9170.14A

Dali & Push Version

03.9170.40ADA
03.9170.14ADA

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

03.9171.40ADA
03.9171.14ADA

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

05.1315.40ADA
05.1315.14ADA

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

05.1316.40ADA
05.1316.14ADA

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

05.1317.40ADA
05.1317.14ADA

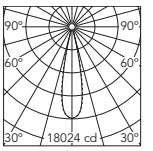
Mains Dimming

05.1317.40ANI
05.1317.14ANI

Casambi

05.1317.40ACB
05.1317.14ACB

22°
MEDIUM

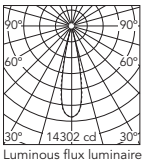


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@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
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

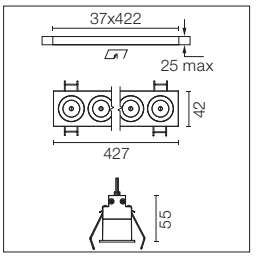
Beam Angle:		22°
h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

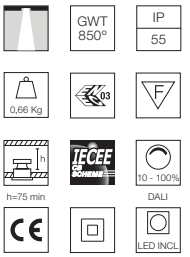
NEW

Light Shadow Fixed Trim 12 Spots

Light Source: 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







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

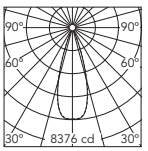
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9165.40A
03.9165.14A
Dali & Push Version
03.9165.40ADA
03.9165.14ADA
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
03.9166.40ADA
03.9166.14ADA
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
05.1320.40ADA
05.1320.14ADA
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
05.1321.40ADA
05.1321.14ADA
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
05.1322.40ADA
05.1322.14ADA
Mains Dimming
05.1322.40ANI
05.1322.14ANI
Casambi
05.1322.40ACB
05.1322.14ACB

33° FLOOD



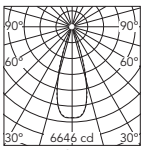
Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

@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
2132 lm (EXTREME CUT OFF)

@White (40) 750mA

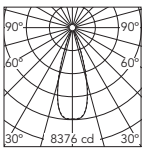
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Optic Flood 3000K

E I Non Dimmable
03.9175.40A
03.9175.14A
Dali & Push Version
03.9175.40ADA
03.9175.14ADA
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
03.9176.40ADA
03.9176.14ADA
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
05.1325.40ADA
05.1325.14ADA
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
05.1326.40ADA
05.1326.14ADA
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
05.1327.40ADA
05.1327.14ADA
Mains Dimming
05.1327.40ANI
05.1327.14ANI
Casambi
05.1327.40ACB
05.1327.14ACB

33° FLOOD



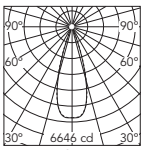
Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

@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
2132 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

NEW

Optic Wide Flood 2700K

E I Non Dimmable

03.8324.40A
03.8324.14A

Dali & Push Version

03.8324.40ADA
03.8324.14ADA

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

03.8325.40ADA
03.8325.14ADA

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

05.1330.40ADA
05.1330.14ADA

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

05.1331.40ADA
05.1331.14ADA

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

05.1332.40ADA
05.1332.14ADA

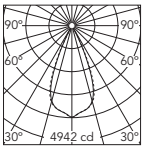
Mains Dimming

05.1332.40ANI
05.1332.14ANI

Casambi

05.1332.40ACB
05.1332.14ACB

45° WIDE FLOOD

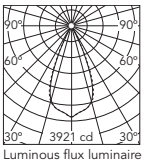


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@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
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.8328.40A
03.8328.14A

Dali & Push Version

03.8328.40ADA
03.8328.14ADA

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

03.8329.40ADA
03.8329.14ADA

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

05.1335.40ADA
05.1335.14ADA

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

05.1336.40ADA
05.1336.14ADA

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

05.1337.40ADA
05.1337.14ADA

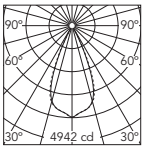
Mains Dimming

05.1337.40ANI
05.1337.14ANI

Casambi

05.1337.40ACB
05.1337.14ACB

45° WIDE FLOOD

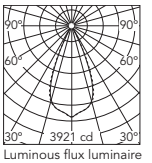


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@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
2104 lm (EXTREME CUT OFF)

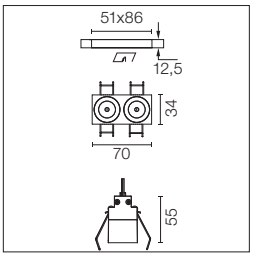
@White (40) 750mA

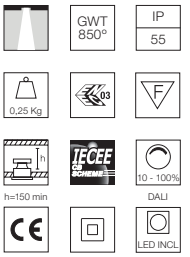
Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Light Shadow Fixed No Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







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

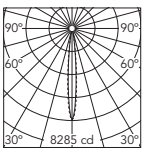
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8852.40A
03.8852.14A
Dali Version
03.8852.40ADA
03.8852.14ADA
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
03.8853.40ADA
03.8853.14ADA
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
05.1040.40ADA
05.1040.14ADA
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
05.1041.40ADA
05.1041.14ADA
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
05.1042.40ADA
05.1042.14ADA
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)

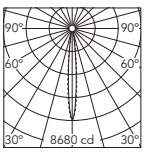
Beam Angle: 10°

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
03.8856.40ADA
03.8856.14ADA
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
03.8857.40ADA
03.8857.14ADA
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
05.1045.40ADA
05.1045.14ADA
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
05.1046.40ADA
05.1046.14ADA
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
05.1047.40ADA
05.1047.14ADA
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

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9200.40A
03.9200.14A

Dali Version
03.9200.40ADA
03.9200.14ADA

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
03.9201.40ADA
03.9201.14ADA

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
05.1050.40ADA
05.1050.14ADA

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
05.1051.40ADA
05.1051.14ADA

Mains Dimming
05.1051.40ANI
05.1051.14ANI

Casambi
05.1051.40ACB
05.1051.14ACB

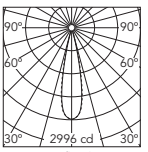
Non Dimmable
05.1052.40A
05.1052.14A

Dali Version
05.1052.40ADA
05.1052.14ADA

Mains Dimming
05.1052.40ANI
05.1052.14ANI

Casambi
05.1052.40ACB
05.1052.14ACB

22°
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
03.9210.40ADA
03.9210.14ADA

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
03.9211.40ADA
03.9211.14ADA

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
05.1055.40ADA
05.1055.14ADA

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
05.1056.40ADA
05.1056.14ADA

Mains Dimming
05.1056.40ANI
05.1056.14ANI

Casambi
05.1056.40ACB
05.1056.14ACB

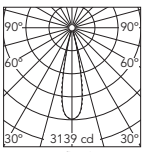
Non Dimmable
05.1057.40A
05.1057.14A

Dali Version
05.1057.40ADA
05.1057.14ADA

Mains Dimming
05.1057.40ANI
05.1057.14ANI

Casambi
05.1057.40ACB
05.1057.14ACB

22°
MEDIUM



Luminous flux luminaire
470 lm (EXTREME CUT OFF)

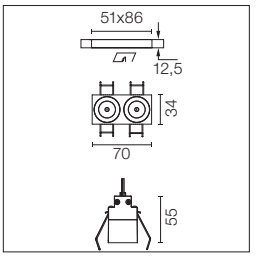
@White (40)

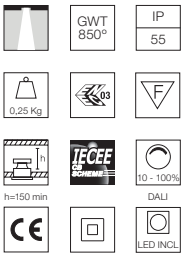
Beam Angle:	22°
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Fixed No Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







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

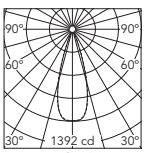
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9205.40A
03.9205.14A
Dali Version
03.9205.40ADA
03.9205.14ADA
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
03.9206.40ADA
03.9206.14ADA
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
05.1060.40ADA
05.1060.14ADA
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
05.1061.40ADA
05.1061.14ADA
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
05.1062.40ADA
05.1062.14ADA
Mains Dimming
05.1062.40ANI
05.1062.14ANI
Casambi
05.1062.40ACB
05.1062.14ACB

33° FLOOD



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

@White (40)

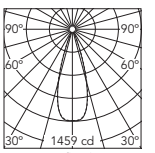
Beam Angle: 33°

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
03.9215.40ADA
03.9215.14ADA
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
03.9216.40ADA
03.9216.14ADA
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
05.1065.40ADA
05.1065.14ADA
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
05.1066.40ADA
05.1066.14ADA
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
05.1067.40ADA
05.1067.14ADA
Mains Dimming
05.1067.40ANI
05.1067.14ANI
Casambi
05.1067.40ACB
05.1067.14ACB

33° FLOOD



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

NEW

Optic Wide Flood 2700K

E I Non Dimmable

03.8350.40A
03.8350.14A

Dali Version

03.8350.40ADA
03.8350.14ADA

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

03.8351.40ADA
03.8351.14ADA

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

05.1070.40ADA
05.1070.14ADA

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

05.1071.40ADA
05.1071.14ADA

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

05.1072.40ADA
05.1072.14ADA

Mains Dimming

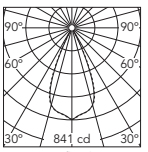
05.1072.40ANI
05.1072.14ANI

Casambi

05.1072.40ACB
05.1072.14ACB



WIDE FLOOD



Luminous flux luminaire
443 lm (EXTREME CUT OFF)

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

@White (40)

Optic Wide Flood 3000K

E I Non Dimmable

03.8354.40A
03.8354.14A

Dali Version

03.8354.40ADA
03.8354.14ADA

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

03.8355.40ADA
03.8355.14ADA

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

05.1075.40ADA
05.1075.14ADA

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

05.1076.40ADA
05.1076.14ADA

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

05.1077.40ADA
05.1077.14ADA

Mains Dimming

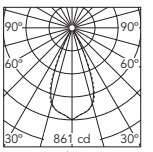
05.1077.40ANI
05.1077.14ANI

Casambi

05.1077.40ACB
05.1077.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm (EXTREME CUT OFF)

Beam Angle: 45°

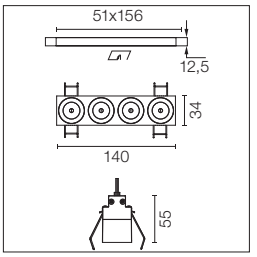
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

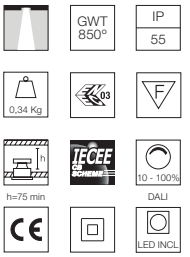
@White (40)

Light Shadow Fixed No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







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.

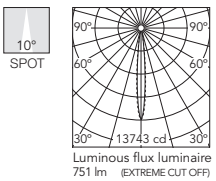
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable

03.8860.40A
03.8860.14A
Dali Version
03.8860.40ADA
03.8860.14ADA
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
03.8861.40ADA
03.8861.14ADA
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
05.1140.40ADA
05.1140.14ADA
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
05.1141.40ADA
05.1141.14ADA
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
05.1142.40ADA
05.1142.14ADA
Mains Dimming
05.1142.40ANI
05.1142.14ANI
Casambi
05.1142.40ACB
05.1142.14ACB



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

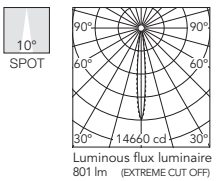
Beam Angle: 10°

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

03.8864.40A
03.8864.14A
Dali Version
03.8864.40ADA
03.8864.14ADA
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
03.8865.40ADA
03.8865.14ADA
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
05.1145.40ADA
05.1145.14ADA
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
05.1146.40ADA
05.1146.14ADA
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
05.1147.40ADA
05.1147.14ADA
Mains Dimming
05.1147.40ANI
05.1147.14ANI
Casambi
05.1147.40ACB
05.1147.14ACB



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

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9220.40A
03.9220.14A

Dali Version
03.9220.40ADA
03.9220.14ADA

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
03.9221.40ADA
03.9221.14ADA

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
05.1150.40ADA
05.1150.14ADA

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
05.1151.40ADA
05.1151.14ADA

Mains Dimming
05.1151.40ANI
05.1151.14ANI

Casambi
05.1151.40ACB
05.1151.14ACB

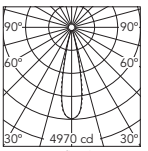
Non Dimmable
05.1152.40A
05.1152.14A

Dali Version
05.1152.40ADA
05.1152.14ADA

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
03.9230.40ADA
03.9230.14ADA

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
03.9231.40ADA
03.9231.14ADA

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
05.1155.40ADA
05.1155.14ADA

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
05.1156.40ADA
05.1156.14ADA

Mains Dimming
05.1156.40ANI
05.1156.14ANI

Casambi
05.1156.40ACB
05.1156.14ACB

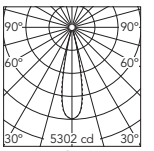
Non Dimmable
05.1157.40A
05.1157.14A

Dali Version
05.1157.40ADA
05.1157.14ADA

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)

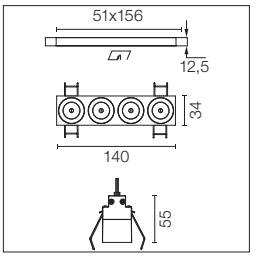
Beam Angle: 22°

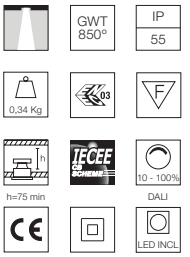
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Light Shadow Fixed No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

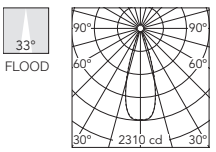
E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9225.40A
03.9225.14A
Dali Version
03.9225.40ADA
03.9225.14ADA
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
03.9226.40ADA
03.9226.14ADA
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
05.1160.40ADA
05.1160.14ADA
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
05.1161.40ADA
05.1161.14ADA
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
05.1162.40ADA
05.1162.14ADA
Mains Dimming
05.1162.40ANI
05.1162.14ANI
Casambi
05.1162.40ACB
05.1162.14ACB



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

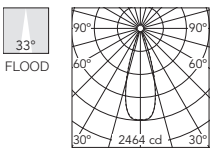
@White (40)

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
03.9235.40ADA
03.9235.14ADA
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
03.9236.40ADA
03.9236.14ADA
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
05.1165.40ADA
05.1165.14ADA
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
05.1166.40ADA
05.1166.14ADA
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
05.1167.40ADA
05.1167.14ADA
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

NEW

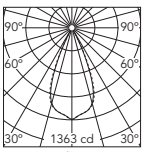
Optic Wide Flood 2700K

E I

Non Dimmable
03.8358.40A
03.8358.14A
Dali Version
03.8358.40ADA
03.8358.14ADA
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
03.8359.40ADA
03.8359.14ADA
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
05.1170.40ADA
05.1170.14ADA
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
05.1171.40ADA
05.1171.14ADA
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
05.1172.40ADA
05.1172.14ADA
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)

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)

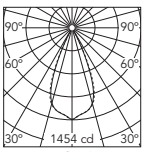
Optic Wide Flood 3000K

E I

Non Dimmable
03.8362.40A
03.8362.14A
Dali Version
03.8362.40ADA
03.8362.14ADA
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
03.8363.40ADA
03.8363.14ADA
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
05.1175.40ADA
05.1175.14ADA
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
05.1176.40ADA
05.1176.14ADA
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
05.1177.40ADA
05.1177.14ADA
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)

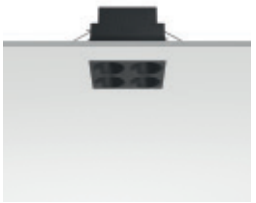
Beam Angle: 45°

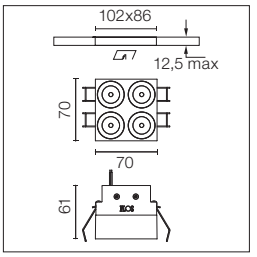
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

@White (40)

Light Shadow Fixed No Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

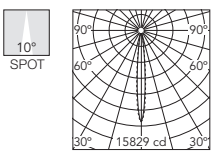
E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

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



Luminous flux luminaire
865 lm (EXTREME CUT OFF)

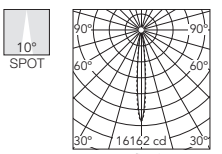
@White (40)

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
05.0645.40
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



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

NEW

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

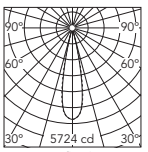
Non Dimmable
05.0652.40
05.0652.14

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

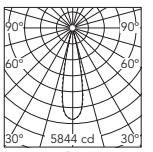
Non Dimmable
05.0657.40
05.0657.14

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)

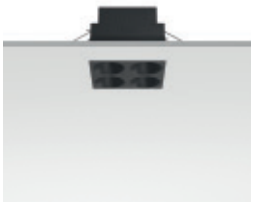
@White (40)

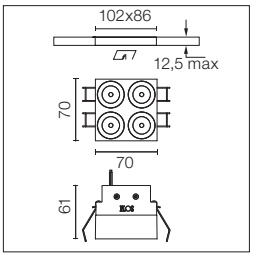
Beam Angle: 22°

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

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







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.

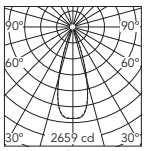
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

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





Luminous flux luminaire
853 lm (EXTREME CUT OFF)

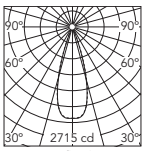
Beam Angle:	33°
h(m)	E(lx) D(m)
1	2659 0.59
2	665 1.18
3	295 1.78
4	166 2.37
5	107 2.96

@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





Luminous flux luminaire
871 lm (EXTREME CUT OFF)

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

@White (40)

NEW

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

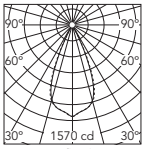
Dali Version
05.0672.40.DA
05.0672.14.DA

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

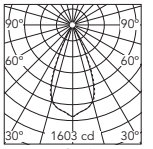
Dali Version
05.0677.40.DA
05.0677.14.DA

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)

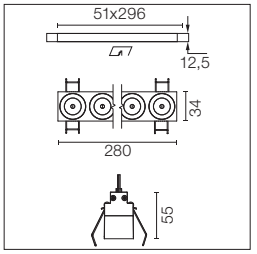
Beam Angle: 45°

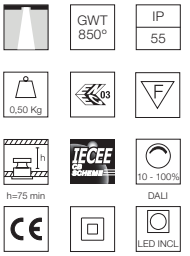
h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

Light Shadow Fixed No Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

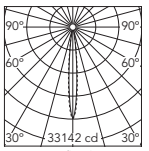
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8868.40A
03.8868.14A
Dali Version
03.8868.40ADA
03.8868.14ADA
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
03.8869.40ADA
03.8869.14ADA
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
05.1240.40ADA
05.1240.14ADA
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
05.1241.40ADA
05.1241.14ADA
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
05.1242.40ADA
05.1242.14ADA
Mains Dimming
05.1242.40ANI
05.1242.14ANI
Casambi
05.1242.40ACB
05.1242.14ACB

10° SPOT



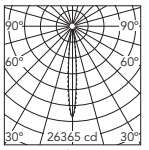
Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@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
1441 lm (EXTREME CUT OFF)

@White (40) 750mA

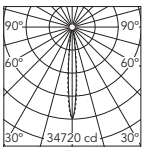
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8872.40A
03.8872.14A
Dali Version
03.8872.40ADA
03.8872.14ADA
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
03.8873.40ADA
03.8873.14ADA
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
05.1245.40ADA
05.1245.14ADA
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
05.1246.40ADA
05.1246.14ADA
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
05.1247.40ADA
05.1247.14ADA
Mains Dimming
05.1247.40ANI
05.1247.14ANI
Casambi
05.1247.40ACB
05.1247.14ACB

10° SPOT



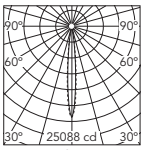
Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@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
1371 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

NEW

Optic Medium 2700K

E I Non Dimmable

03.9240.40A
03.9240.14A

Dali Version

03.9240.40ADA
03.9240.14ADA

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

03.9241.40ADA
03.9241.14ADA

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

05.1250.40ADA
05.1250.14ADA

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

05.1251.40ADA
05.1251.14ADA

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

05.1252.40ADA
05.1252.14ADA

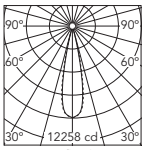
Mains Dimming

05.1252.40ANI
05.1252.14ANI

Casambi

05.1252.40ACB
05.1252.14ACB

22° MEDIUM

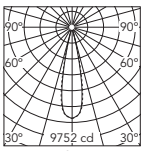


Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@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
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	9752	0.39
2	2438	0.78
3	1084	1.17
4	609	1.56
5	390	1.95

Optic Medium 3000K

E I Non Dimmable

03.9250.40A
03.9250.14A

Dali Version

03.9250.40ADA
03.9250.14ADA

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

03.9251.40ADA
03.9251.14ADA

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

05.1255.40ADA
05.1255.14ADA

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

05.1256.40ADA
05.1256.14ADA

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

05.1257.40ADA
05.1257.14ADA

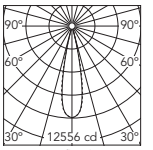
Mains Dimming

05.1257.40ANI
05.1257.14ANI

Casambi

05.1257.40ACB
05.1257.14ACB

22° MEDIUM

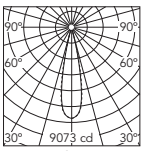


Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@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
1357 lm (EXTREME CUT OFF)

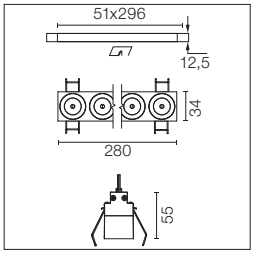
@White (40) 750mA

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	9073	0.39
2	2268	0.78
3	1008	1.17
4	567	1.56
5	363	1.95

Light Shadow Fixed No Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90





GWT 850° | IP 55 | 0,50 Kg | h=75 min | IECEE CB SCHEME | 10 - 100% DALI | LED INCL

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

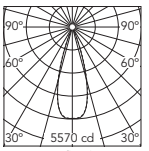
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9245.40A
03.9245.14A
Dali Version
03.9245.40ADA
03.9245.14ADA
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
03.9246.40ADA
03.9246.14ADA
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
05.1260.40ADA
05.1260.14ADA
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
05.1261.40ADA
05.1261.14ADA
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
05.1262.40ADA
05.1262.14ADA
Mains Dimming
05.1262.40ANI
05.1262.14ANI
Casambi
05.1262.40ACB
05.1262.14ACB

33° FLOOD

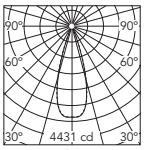


Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA

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
1421 lm (EXTREME CUT OFF)
@White (40) 750mA

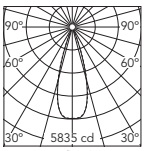
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Optic Flood 3000K

E I Non Dimmable
03.9255.40A
03.9255.14A
Dali Version
03.9255.40ADA
03.9255.14ADA
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
03.9256.40ADA
03.9256.14ADA
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
05.1265.40ADA
05.1265.14ADA
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
05.1266.40ADA
05.1266.14ADA
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
05.1267.40ADA
05.1267.14ADA
Mains Dimming
05.1267.40ANI
05.1267.14ANI
Casambi
05.1267.40ACB
05.1267.14ACB

33° FLOOD

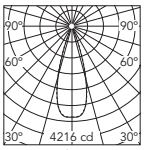


Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA

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
1353 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

NEW

Optic Wide Flood 2700K

E I Non Dimmable

03.8366.40A
03.8366.14A

Dali Version

03.8366.40ADA
03.8366.14ADA

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

03.8367.40ADA
03.8367.14ADA

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

05.1270.40ADA
05.1270.14ADA

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

05.1271.40ADA
05.1271.14ADA

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

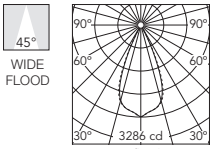
05.1272.40ADA
05.1272.14ADA

Mains Dimming

05.1272.40ANI
05.1272.14ANI

Casambi

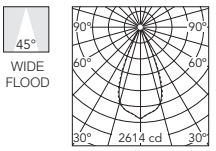
05.1272.40ACB
05.1272.14ACB



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



Luminous flux luminaire
1403 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.8370.40A
03.8370.14A

Dali Version

03.8370.40ADA
03.8370.14ADA

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

03.8371.40ADA
03.8371.14ADA

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

05.1275.40ADA
05.1275.14ADA

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

05.1276.40ADA
05.1276.14ADA

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

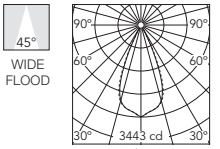
05.1277.40ADA
05.1277.14ADA

Mains Dimming

05.1277.40ANI
05.1277.14ANI

Casambi

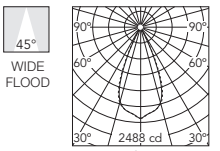
05.1277.40ACB
05.1277.14ACB



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



Luminous flux luminaire
1335 lm (EXTREME CUT OFF)

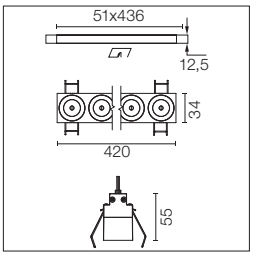
@White (40) 750mA

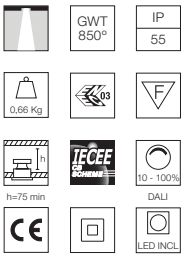
Beam Angle:		45°
h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

Light Shadow Fixed No Trim 12 Spots

Light Source: 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







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

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable

03.8876.40A
03.8876.14A

Dali & Push Version

03.8876.40ADA
03.8876.14ADA

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

03.8877.40ADA
03.8877.14ADA

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

05.1340.40ADA
05.1340.14ADA

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

05.1341.40ADA
05.1341.14ADA

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

05.1342.40ADA
05.1342.14ADA

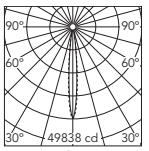
Mains Dimming

05.1342.40ANI
05.1342.14ANI

Casambi

05.1342.40ACB
05.1342.14ACB

10° SPOT

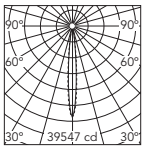


Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@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
2162 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

Optic Spot 3000K

E I Non Dimmable

03.8880.40A
03.8880.14A

Dali & Push Version

03.8880.40ADA
03.8880.14ADA

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

03.8881.40ADA
03.8881.14ADA

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

05.1345.40ADA
05.1345.14ADA

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

05.1346.40ADA
05.1346.14ADA

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

05.1347.40ADA
05.1347.14ADA

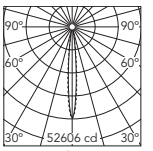
Mains Dimming

05.1347.40ANI
05.1347.14ANI

Casambi

05.1347.40ACB
05.1347.14ACB

10° SPOT

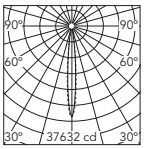


Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@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
2057 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

NEW

Optic Medium 2700K

E I Non Dimmable

03.9260.40A
03.9260.14A

Dali & Push Version

03.9260.40ADA
03.9260.14ADA

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

03.9261.40ADA
03.9261.14ADA

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

05.1350.40ADA
05.1350.14ADA

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

05.1351.40ADA
05.1351.14ADA

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

05.1352.40ADA
05.1352.14ADA

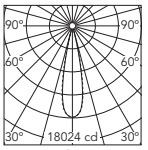
Mains Dimming

05.1352.40ANI
05.1352.14ANI

Casambi

05.1352.40ACB
05.1352.14ACB

22° MEDIUM

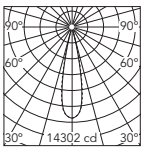


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@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
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	22°
h(m) E(lx)	D(m)
1 14302	0.39
2 3576	0.78
3 1589	1.17
4 894	1.56
5 572	1.95

Optic Medium 3000K

E I Non Dimmable

03.9270.40A
03.9270.14A

Dali & Push Version

03.9270.40ADA
03.9270.14ADA

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

03.9271.40ADA
03.9271.14ADA

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

05.1355.40ADA
05.1355.14ADA

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

05.1356.40ADA
05.1356.14ADA

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

05.1357.40ADA
05.1357.14ADA

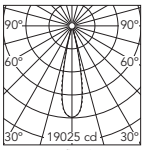
Mains Dimming

05.1357.40ANI
05.1357.14ANI

Casambi

05.1357.40ACB
05.1357.14ACB

22° MEDIUM

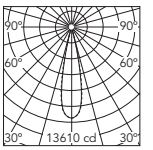


Luminous flux luminaire
2846 lm (EXTREME CUT OFF)

@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
2036 lm (EXTREME CUT OFF)

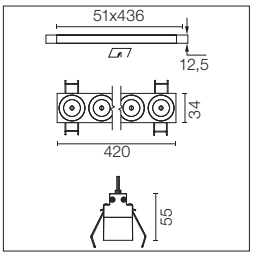
@White (40) 750mA

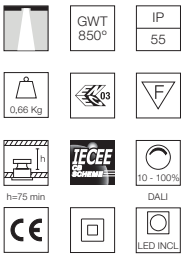
Beam Angle:	22°
h(m) E(lx)	D(m)
1 13610	0.39
2 3402	0.78
3 1512	1.17
4 851	1.56
5 544	1.95

Light Shadow Fixed No Trim 12 Spots

Light Source: 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







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

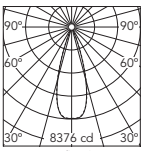
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9265.40A
03.9265.14A
Dali & Push Version
03.9265.40ADA
03.9265.14ADA
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
03.9266.40ADA
03.9266.14ADA
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
05.1360.40ADA
05.1360.14ADA
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
05.1361.40ADA
05.1361.14ADA
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
05.1362.40ADA
05.1362.14ADA
Mains Dimming
05.1362.40ANI
05.1362.14ANI
Casambi
05.1362.40ACB
05.1362.14ACB

33° FLOOD



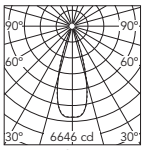
Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

@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
2132 lm (EXTREME CUT OFF)

@White (40) 750mA

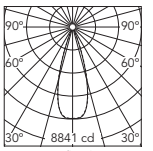
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Optic Flood 3000K

E I Non Dimmable
03.9275.40A
03.9275.14A
Dali & Push Version
03.9275.40ADA
03.9275.14ADA
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
03.9276.40ADA
03.9276.14ADA
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
05.1365.40ADA
05.1365.14ADA
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
05.1366.40ADA
05.1366.14ADA
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
05.1367.40ADA
05.1367.14ADA
Mains Dimming
05.1367.40ANI
05.1367.14ANI
Casambi
05.1367.40ACB
05.1367.14ACB

33° FLOOD



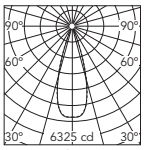
Luminous flux luminaire
2836 lm (EXTREME CUT OFF)

@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
2029 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	6325	0.59
2	1581	1.18
3	703	1.78
4	395	2.37
5	253	2.96

NEW

Optic Wide Flood 2700K

E I Non Dimmable

03.8374.40A
03.8374.14A

Dali & Push Version

03.8374.40ADA
03.8374.14ADA

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

03.8375.40ADA
03.8375.14ADA

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

05.1370.40ADA
05.1370.14ADA

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

05.1371.40ADA
05.1371.14ADA

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

05.1372.40ADA
05.1372.14ADA

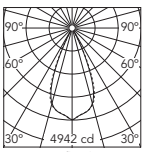
Mains Dimming

05.1372.40ANI
05.1372.14ANI

Casambi

05.1372.40ACB
05.1372.14ACB

45° WIDE FLOOD

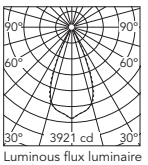


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@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
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	3921 0.83
2	980 1.67
3	436 2.50
4	245 3.34
5	157 4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.8378.40A
03.8378.14A

Dali & Push Version

03.8378.40ADA
03.8378.14ADA

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

03.8379.40ADA
03.8379.14ADA

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

05.1375.40ADA
05.1375.14ADA

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

05.1376.40ADA
05.1376.14ADA

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

05.1377.40ADA
05.1377.14ADA

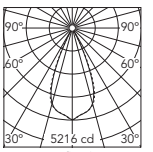
Mains Dimming

05.1377.40ANI
05.1377.14ANI

Casambi

05.1377.40ACB
05.1377.14ACB

45° WIDE FLOOD

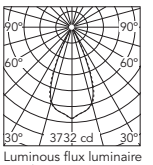


Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

@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
2002 lm (EXTREME CUT OFF)

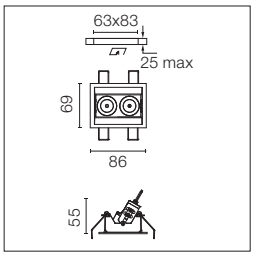
@White (40) 750mA

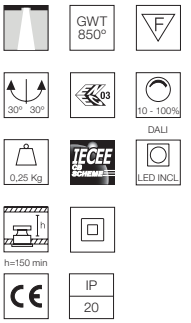
Beam Angle:	45°
h(m)	E(lx) D(m)
1	3732 0.83
2	933 1.67
3	415 2.50
4	233 3.34
5	149 4.17

Light Shadow Adjustable Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

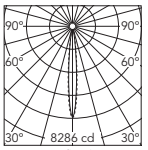
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

10° SPOT



Luminous flux luminaire 453 lm (EXTREME CUT OFF)

Beam Angle: 10°

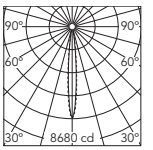
h(m)	E(lx)	D(m)
1	8286	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

@White (40)

E I Non Dimmable
03.8884.40A
03.8884.14A
Dali Version
03.8884.40ADA
03.8884.14ADA
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
03.8885.40ADA
03.8885.14ADA
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
05.1400.40ADA
05.1400.14ADA
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
05.1401.40ADA
05.1401.14ADA
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
05.1402.40ADA
05.1402.14ADA
Mains Dimming
05.1402.40ANI
05.1402.14ANI
Casambi
05.1402.40ACB
05.1402.14ACB

Optic Spot 3000K

10° SPOT



Luminous flux luminaire 475 lm (EXTREME CUT OFF)

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

@White (40)

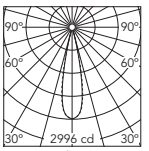
E I Non Dimmable
03.8888.40A
03.8888.14A
Dali Version
03.8888.40ADA
03.8888.14ADA
Mains Dimming
03.8888.40ANI
03.8888.14ANI
Casambi
03.8888.40ACB
03.8888.14ACB
Non Dimmable
03.8889.40A
03.8889.14A
Dali Version
03.8889.40ADA
03.8889.14ADA
Mains Dimming
03.8889.40ANI
03.8889.14ANI
Casambi
03.8889.40ACB
03.8889.14ACB
Non Dimmable
05.1405.40A
05.1405.14A
Dali Version
05.1405.40ADA
05.1405.14ADA
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
05.1406.40ADA
05.1406.14ADA
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
05.1407.40ADA
05.1407.14ADA
Mains Dimming
05.1407.40ANI
05.1407.14ANI
Casambi
05.1407.40ACB
05.1407.14ACB

NEW

Optic Medium 2700K

E I Non Dimmable
03.9300.40A
03.9300.14A
Dali Version
03.9300.40ADA
03.9300.14ADA
E I Mains Dimming
03.9300.40ANI
03.9300.14ANI
Casambi
03.9300.40CB
03.9300.14ACB
Non Dimmable
03.9301.40A
03.9301.14A
Dali Version
03.9301.40ADA
03.9301.14ADA
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
05.1410.40ADA
05.1410.14ADA
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
05.1411.40ADA
05.1411.14ADA
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
05.1412.40ADA
05.1412.14ADA
Mains Dimming
05.1412.40ANI
05.1412.14ANI
Casambi
05.1412.40ACB
05.1412.14ACB





Luminous flux luminaire
448 lm (EXTREME CUT OFF)
@White (40)

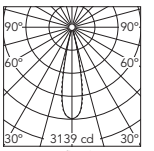
Beam Angle: 22°

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
03.9310.40A
03.9310.14A
Dali Version
03.9310.40ADA
03.9310.14ADA
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
03.9311.40ADA
03.9311.14ADA
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
05.1415.40ADA
05.1415.14ADA
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
05.1416.40ADA
05.1416.14ADA
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
05.1417.40ADA
05.1417.14ADA
Mains Dimming
05.1417.40ANI
05.1417.14ANI
Casambi
05.1417.40ACB
05.1417.14ACB





Luminous flux luminaire
470 lm (EXTREME CUT OFF)
@White (40)

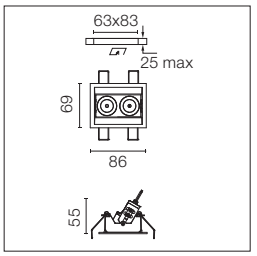
Beam Angle: 22°

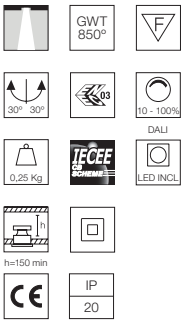
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Adjustable Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







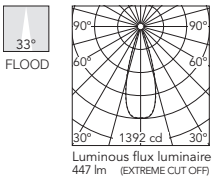
Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

E= External Finish
I= Internal Finish

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

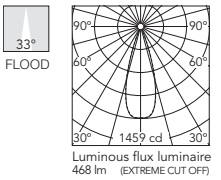
@White (40)

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

E I

Non Dimmable
03.9305.40A
03.9305.14A
Dali Version
03.9305.40ADA
03.9305.14ADA
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
03.9306.40ADA
03.9306.14ADA
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
05.1420.40ADA
05.1420.14ADA
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
05.1421.40ADA
05.1421.14ADA
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
05.1422.40ADA
05.1422.14ADA
Mains Dimming
05.1422.40ANI
05.1422.14ANI
Casambi
05.1422.40ACB
05.1422.14ACB

Optic Flood 3000K



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

E I

Non Dimmable
03.9315.40A
03.9315.14A
Dali Version
03.9315.40ADA
03.9315.14ADA
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
03.9316.40ADA
03.9316.14ADA
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
05.1425.40ADA
05.1425.14ADA
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
05.1426.40ADA
05.1426.14ADA
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
05.1427.40ADA
05.1427.14ADA
Mains Dimming
05.1427.40ANI
05.1427.14ANI
Casambi
05.1427.40ACB
05.1427.14ACB

NEW

Optic Wide Flood 2700K

E I

Non Dimmable
03.7300.40A
03.7300.14A

Dali Version
03.7300.40ADA
03.7300.14ADA

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
03.7301.40ADA
03.7301.14ADA

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
05.1430.40ADA
05.1430.14ADA

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
05.1431.40ADA
05.1431.14ADA

Mains Dimming
05.1431.40ANI
05.1431.14ANI

Casambi
05.1431.40ACB
05.1431.14ACB

Non Dimmable
05.1432.40A
05.1432.14A

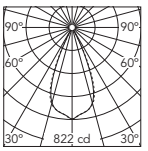
Dali Version
05.1432.40ADA
05.1432.14ADA

Mains Dimming
05.1432.40ANI
05.1432.14ANI

Casambi
05.1432.40ACB
05.1432.14ACB



WIDE FLOOD



Luminous flux luminaire
441 lm (EXTREME CUT OFF)

@White (40)

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

Optic Wide Flood 3000K

E I

Non Dimmable
03.7304.40A
03.7304.14A

Dali Version
03.7304.40ADA
03.7304.14ADA

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
03.7305.40ADA
03.7305.14ADA

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
05.1435.40ADA
05.1435.14ADA

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
05.1436.40ADA
05.1436.14ADA

Mains Dimming
05.1436.40ANI
05.1436.14ANI

Casambi
05.1436.40ACB
05.1436.14ACB

Non Dimmable
05.1437.40A
05.1437.14A

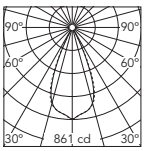
Dali Version
05.1437.40ADA
05.1437.14ADA

Mains Dimming
05.1437.40ANI
05.1437.14ANI

Casambi
05.1437.40ACB
05.1437.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm (EXTREME CUT OFF)

@White (40)

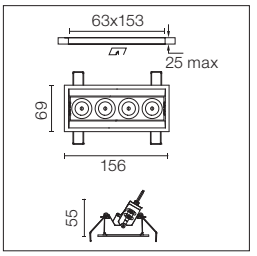
Beam Angle: 45°

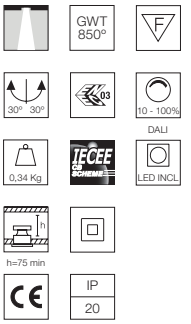
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

Light Shadow Adjustable Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

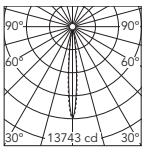
E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K





Luminous flux luminaire
751 lm (EXTREME CUT OFF)

Beam Angle: 10°

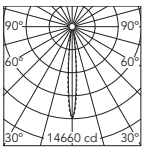
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

@White (40)

E I Non Dimmable
03.8892.40A
03.8892.14A
Dali Version
03.8892.40ADA
03.8892.14ADA
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
03.8893.40ADA
03.8893.14ADA
Mains Dimming
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Casambi
03.8893.40ACB
03.8893.14ACB
Non Dimmable
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Dali Version
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05.1500.14ADA
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
05.1501.40ADA
05.1501.14ADA
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
05.1502.40ADA
05.1502.14ADA
Mains Dimming
05.1502.40ANI
05.1502.14ANI
Casambi
05.1502.40ACB
05.1502.14ACB

Optic Spot 3000K





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

@White (40)

E I Non Dimmable
03.8896.40A
03.8896.14A
Dali Version
03.8896.40ADA
03.8896.14ADA
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
03.8897.40ADA
03.8897.14ADA
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
05.1505.40ADA
05.1505.14ADA
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
05.1506.40ADA
05.1506.14ADA
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
05.1507.40ADA
05.1507.14ADA
Mains Dimming
05.1507.40ANI
05.1507.14ANI
Casambi
05.1507.40ACB
05.1507.14ACB

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9320.40A
03.9320.14A

Dali Version
03.9320.40ADA
03.9320.14ADA

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
03.9321.40ADA
03.9321.14ADA

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
05.1510.40ADA
05.1510.14ADA

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
05.1511.40ADA
05.1511.14ADA

Mains Dimming
05.1511.40ANI
05.1511.14ANI

Casambi
05.1511.40ACB
05.1511.14ACB

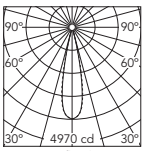
Non Dimmable
05.1512.40A
05.1512.14A

Dali Version
05.1512.40ADA
05.1512.14ADA

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
03.9330.40ADA
03.9330.14ADA

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
03.9331.40ADA
03.9331.14ADA

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
05.1515.40ADA
05.1515.14ADA

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
05.1516.40ADA
05.1516.14ADA

Mains Dimming
05.1516.40ANI
05.1516.14ANi

Casambi
05.1516.40ACB
05.1516.14ACB

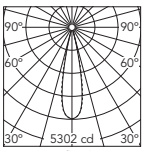
Non Dimmable
05.1517.40A
05.1517.14A

Dali Version
05.1517.40ADA
05.1517.14ADA

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°

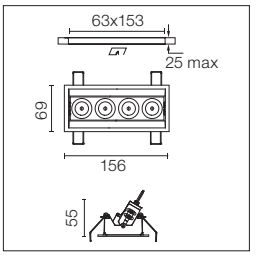
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

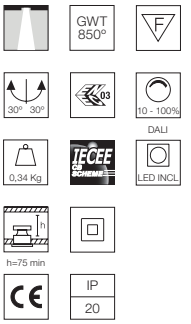
NEW

Light Shadow Adjustable Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







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

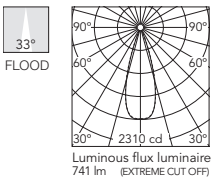
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
03.9325.40A
03.9325.14A
Dali Version
03.9325.40ADA
03.9325.14ADA
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
03.9326.40ADA
03.9326.14ADA
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
05.1520.40ADA
05.1520.14ADA
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
05.1521.40ADA
05.1521.14ADA
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
05.1522.40ADA
05.1522.14ADA
Mains Dimming
05.1522.40ANI
05.1522.14ANI
Casambi
05.1522.40ACB
05.1522.14ACB



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

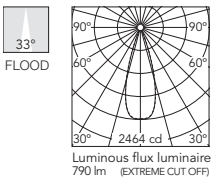
Beam Angle: 33°

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
03.9335.40A
03.9335.14A
Dali Version
03.9335.40ADA
03.9335.14ADA
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
03.9336.40ADA
03.9336.14ADA
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
05.1525.40ADA
05.1525.14ADA
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
05.1526.40ADA
05.1526.14ADA
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
05.1527.40ADA
05.1527.14ADA
Mains Dimming
05.1527.40ANI
05.1527.14ANI
Casambi
05.1527.40ACB
05.1527.14ACB



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

NEW

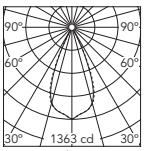
Optic Wide Flood 2700K

E I

Non Dimmable
03.7308.40A
03.7308.14A
Dali Version
03.7308.40ADA
03.7308.14ADA
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
03.7309.40ADA
03.7309.14ADA
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
05.1530.40ADA
05.1530.14ADA
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
05.1531.40ADA
05.1531.14ADA
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
05.1532.40ADA
05.1532.14ADA
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)

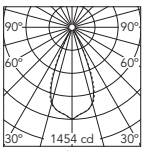
Optic Wide Flood 3000K

E I

Non Dimmable
03.7312.40A
03.7312.14A
Dali Version
03.7312.40ADA
03.7312.14ADA
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
03.7313.40ADA
03.7313.14ADA
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
05.1535.40ADA
05.1535.14ADA
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
05.1536.40ADA
05.1536.14ADA
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
05.1537.40ADA
05.1537.14ADA
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°

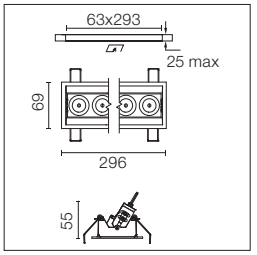
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

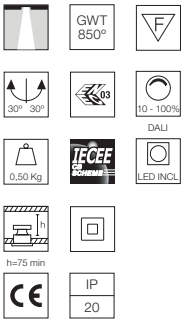
@White (40)

Light Shadow Adjustable Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

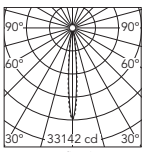
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8900.40A
03.8900.14A
Dali Version
03.8900.40ADA
03.8900.14ADA
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
03.8901.40ADA
03.8901.14ADA
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
05.1600.40ADA
05.1600.14ADA
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
05.1601.40ADA
05.1601.14ADA
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
05.1602.40ADA
05.1602.14ADA
Mains Dimming
05.1602.40ANI
05.1602.14ANI
Casambi
05.1602.40ACB
05.1602.14ACB

10° SPOT



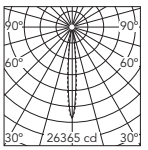
Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

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

@White (40) 900mA

10° SPOT



Luminous flux luminaire
1441 lm (EXTREME CUT OFF)

Beam Angle: 10°

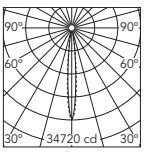
h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

@White (40) 750mA

Optic Spot 3000K

E I Non Dimmable
03.8904.40A
03.8904.14A
Dali Version
03.8904.40ADA
03.8904.14ADA
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
03.8905.40ADA
03.8905.14ADA
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
05.1605.40ADA
05.1605.14ADA
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
05.1606.40ADA
05.1606.14ADA
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
05.1607.40ADA
05.1607.14ADA
Mains Dimming
05.1607.40ANI
05.1607.14ANI
Casambi
05.1607.40ACB
05.1607.14ACB

10° SPOT



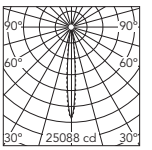
Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

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

@White (40) 900mA

10° SPOT



Luminous flux luminaire
1371 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

@White (40) 750mA

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9340.40A
03.9340.14A

Dali Version
03.9340.40ADA
03.9340.14ADA

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
03.9341.40ADA
03.9341.14ADA

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
05.1610.40ADA
05.1610.14ADA

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
05.1611.40ADA
05.1611.14ADA

Mains Dimming
05.1611.40ANI
05.1611.14ANI

Casambi
05.1611.40ACB
05.1611.14ACB

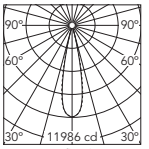
Non Dimmable
05.1612.40A
05.1612.14A

Dali Version
05.1612.40ADA
05.1612.14ADA

Mains Dimming
05.1612.40ANI
05.1612.14ANI

Casambi
05.1612.40ACB
05.1612.14ACB

22°
MEDIUM

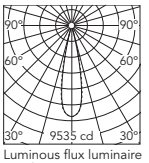


Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@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
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	22°
h(m) E(lx)	D(m)
1 9535	0.39
2 2384	0.78
3 1059	1.17
4 596	1.56
5 381	1.95

Optic Medium 3000K

E I

Non Dimmable
03.9350.40A
03.9350.14A

Dali Version
03.9350.40ADA
03.9350.14ADA

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
03.9351.40ADA
03.9351.14ADA

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
05.1615.40ADA
05.1615.14ADA

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
05.1616.40ADA
05.1616.14ADA

Mains Dimming
05.1616.40ANI
05.1616.14ANI

Casambi
05.1616.40ACB
05.1616.14ACB

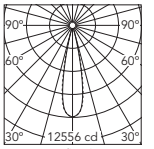
Non Dimmable
05.1617.40A
05.1617.14A

Dali Version
05.1617.40ADA
05.1617.14ADA

Mains Dimming
05.1617.40ANI
05.1617.14ANI

Casambi
05.1617.40ACB
05.1617.14ACB

22°
MEDIUM

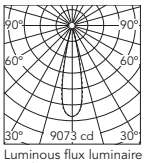


Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@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
1357 lm (EXTREME CUT OFF)

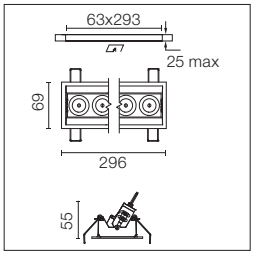
@White (40) 750mA

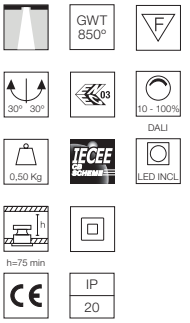
Beam Angle:	22°
h(m) E(lx)	D(m)
1 9073	0.39
2 2268	0.78
3 1008	1.17
4 567	1.56
5 363	1.95

Light Shadow Adjustable Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

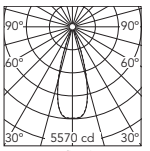
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9345.40A
03.9345.14A
Dali Version
03.9345.40ADA
03.9345.14ADA
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
03.9346.40ADA
03.9346.14ADA
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
05.1620.40ADA
05.1620.14ADA
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
05.1621.40ADA
05.1621.14ADA
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
05.1622.40ADA
05.1622.14ADA
Mains Dimming
05.1622.40ANI
05.1622.14ANI
Casambi
05.1622.40ACB
05.1622.14ACB

33° FLOOD

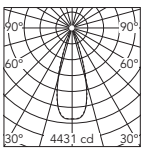


Luminous flux luminaire 1787 lm (EXTREME CUT OFF)

@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 1421 lm (EXTREME CUT OFF)

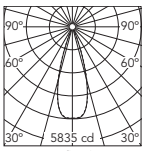
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Optic Flood 3000K

E I Non Dimmable
03.9355.40A
03.9355.14A
Dali Version
03.9355.40ADA
03.9355.14ADA
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
03.9356.40ADA
03.9356.14ADA
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
05.1625.40ADA
05.1625.14ADA
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
05.1626.40ADA
05.1626.14ADA
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
05.1627.40ADA
05.1627.14ADA
Mains Dimming
05.1627.40ANI
05.1627.14ANI
Casambi
05.1627.40ACB
05.1627.14ACB

33° FLOOD

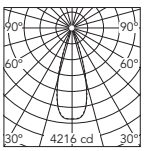


Luminous flux luminaire 1872 lm (EXTREME CUT OFF)

@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 1353 lm (EXTREME CUT OFF)

@White (40) 750mA

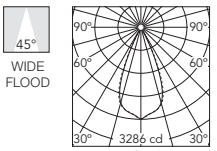
Beam Angle:	33°
h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

NEW

Optic Wide Flood 2700K

E I

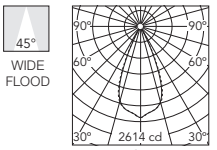
Non Dimmable
03.7316.40A
03.7316.14A
Dali Version
03.7316.40ADA
03.7316.14ADA
Mains Dimming
03.7316.40ANI
03.7316.14ANI
Casambi
03.7316.40ACB
03.7316.14ACB
Non Dimmable
03.7317.40A
03.7317.14A
Dali Version
03.7317.40ADA
03.7317.14ADA
Mains Dimming
03.7317.40ANI
03.7317.14ANI
Casambi
03.7317.40ACB
03.7317.14ACB
Non Dimmable
05.1630.40A
05.1630.14A
Dali Version
05.1630.40ADA
05.1630.14ADA
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
05.1631.40ADA
05.1631.14ADA
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
05.1632.40ADA
05.1632.14ADA
Mains Dimming
05.1632.40ANI
05.1632.14ANI
Casambi
05.1632.40ACB
05.1632.14ACB



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



Luminous flux luminaire
1403 lm (EXTREME CUT OFF)

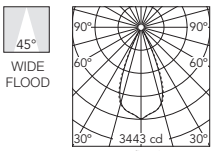
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I

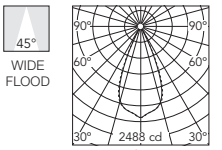
Non Dimmable
03.7320.40A
03.7320.14A
Dali Version
03.7320.40ADA
03.7320.14ADA
Mains Dimming
03.7320.40ANI
03.7320.14ANI
Casambi
03.7320.40ACB
03.7320.14ACB
Non Dimmable
03.7321.40A
03.7321.14A
Dali Version
03.7321.40ADA
03.7321.14ADA
Mains Dimming
03.7321.40ANI
03.7321.14ANI
Casambi
03.7321.40ACB
03.7321.14ACB
Non Dimmable
05.1635.40A
05.1635.14A
Dali Version
05.1635.40ADA
05.1635.14ADA
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
05.1636.40ADA
05.1636.14ADA
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
05.1637.40ADA
05.1637.14ADA
Mains Dimming
05.1637.40ANI
05.1637.14ANI
Casambi
05.1637.40ACB
05.1637.14ACB



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



Luminous flux luminaire
1335 lm (EXTREME CUT OFF)

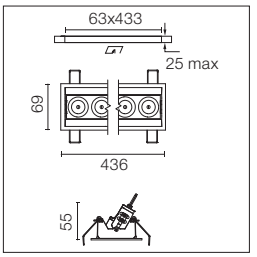
@White (40) 750mA

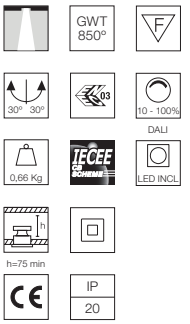
Beam Angle:	45°
h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

Light Shadow Adjustable Trim 12 Spots

Light Source: 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







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

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

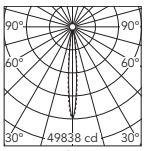
E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable

03.8908.40A
03.8908.14A
Dali & Push Version
03.8908.40ADA
03.8908.14ADA
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
03.8909.40ADA
03.8909.14ADA
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
05.1700.40ADA
05.1700.14ADA
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
05.1701.40ADA
05.1701.14ADA
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
05.1702.40ADA
05.1702.14ADA
Mains Dimming
05.1702.40ANI
05.1702.14ANI
Casambi
05.1702.40ACB
05.1702.14ACB

10° SPOT

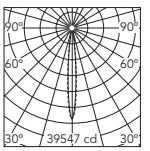


Luminous flux luminaire 2724 lm (EXTREME CUT OFF)

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

@White (40) 900mA

10° SPOT



Luminous flux luminaire 2162 lm (EXTREME CUT OFF)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

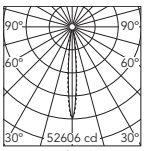
@White (40) 750mA

Optic Spot 3000K

E I Non Dimmable

03.8912.40A
03.8912.14A
Dali & Push Version
03.8912.40ADA
03.8912.14ADA
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
03.8913.40ADA
03.8913.14ADA
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
05.1705.40ADA
05.1705.14ADA
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
05.1706.40ADA
05.1706.14ADA
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
05.1707.40ADA
05.1707.14ADA
Mains Dimming
05.1707.40ANI
05.1707.14ANI
Casambi
05.1707.40ACB
05.1707.14ACB

10° SPOT

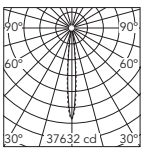


Luminous flux luminaire 2876 lm (EXTREME CUT OFF)

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

@White (40) 900mA

10° SPOT



Luminous flux luminaire 2057 lm (EXTREME CUT OFF)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

@White (40) 750mA

NEW

Optic Medium 2700K

E I Non Dimmable

03.9360.40A
03.9360.14A

Dali & Push Version

03.9360.40ADA
03.9360.14ADA

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

03.9361.40ADA
03.9361.14ADA

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

05.1710.40ADA
05.1710.14ADA

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

05.1711.40ADA
05.1711.14ADA

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

05.1712.40ADA
05.1712.14ADA

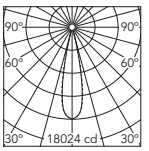
Mains Dimming

05.1712.40ANI
05.1712.14ANI

Casambi

05.1712.40ACB
05.1712.14ACB

22°
MEDIUM

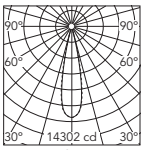


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@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
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Optic Medium 3000K

E I Non Dimmable

03.9370.40A
03.9370.14A

Dali & Push Version

03.9370.40ADA
03.9370.14ADA

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

03.9371.40ADA
03.9371.14ADA

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

05.1715.40ADA
05.1715.14ADA

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

05.1716.40ADA
05.1716.14ADA

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

05.1717.40ADA
05.1717.14ADA

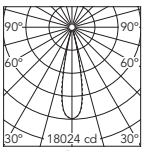
Mains Dimming

05.1717.40ANI
05.1717.14ANI

Casambi

05.1717.40ACB
05.1717.14ACB

22°
MEDIUM

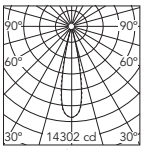


Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@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
2139 lm (EXTREME CUT OFF)

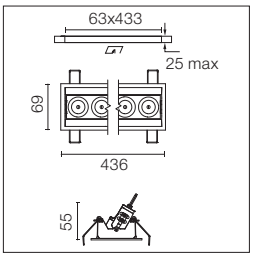
@White (40) 750mA

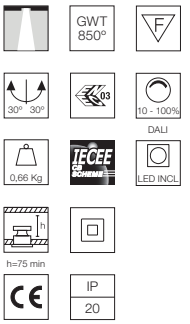
Beam Angle:	22°
h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Light Shadow Adjustable Trim 12 Spots

Light Source: 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







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

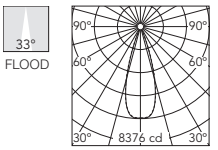
E= External Finish
I= Internal Finish

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9365.40A
03.9365.14A
Dali & Push Version
03.9365.40ADA
03.9365.14ADA
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
03.9366.40ADA
03.9366.14ADA
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
05.1720.40ADA
05.1720.14ADA
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
05.1721.40ADA
05.1721.14ADA
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
05.1722.40ADA
05.1722.14ADA
Mains Dimming
05.1722.40ANI
05.1722.14ANI
Casambi
05.1722.40ACB
05.1722.14ACB

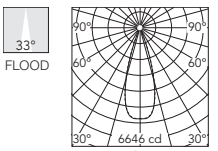


Beam Angle: 33°

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°

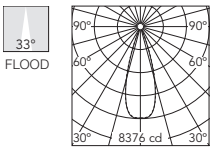
h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Luminous flux luminaire 2132 lm (EXTREME CUT OFF)

@White (40) 750mA

Optic Flood 3000K

E I Non Dimmable
03.9375.40A
03.9375.14A
Dali & Push Version
03.9375.40ADA
03.9375.14ADA
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
03.9376.40ADA
03.9376.14ADA
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
05.1725.40ADA
05.1725.14ADA
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
05.1726.40ADA
05.1726.14ADA
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
05.1727.40ADA
05.1727.14ADA
Mains Dimming
05.1727.40ANI
05.1727.14ANI
Casambi
05.1727.40ACB
05.1727.14ACB

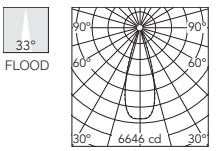


Beam Angle: 33°

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	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Luminous flux luminaire 2132 lm (EXTREME CUT OFF)

@White (40) 750mA

NEW

Optic Wide Flood 2700K

E I

Non Dimmable
03.7324.40A
03.7324.14A

Dali & Push Version
03.7324.40ADA
03.7324.14ADA

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
03.7325.40ADA
03.7325.14ADA

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
05.1730.40ADA
05.1730.14ADA

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
05.1731.40ADA
05.1731.14ADA

Mains Dimming
05.1731.40ANI
05.1731.14ANI

Casambi
05.1731.40ACB
05.1731.14ACB

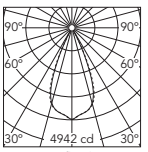
Non Dimmable
05.1732.40A
05.1732.14A

Dali & Push Version
05.1732.40ADA
05.1732.14ADA

Mains Dimming
05.1732.40ANI
05.1732.14ANI

Casambi
05.1732.40ACB
05.1732.14ACB

45°
WIDE FLOOD

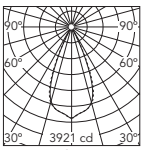


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@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
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Optic Wide Flood 3000K

E I

Non Dimmable
03.7328.40A
03.7328.14A

Dali & Push Version
03.7328.40ADA
03.7328.14ADA

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
03.7329.40ADA
03.7329.14ADA

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
05.1735.40ADA
05.1735.14ADA

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
05.1736.40ADA
05.1736.14ADA

Mains Dimming
05.1736.40ANI
05.1736.14ANI

Casambi
05.1736.40ACB
05.1736.14ACB

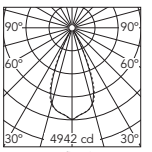
Non Dimmable
05.1737.40A
05.1737.14A

Dali & Push Version
05.1737.40ADA
05.1737.14ADA

Mains Dimming
05.1737.40ANI
05.1737.14ANI

Casambi
05.1737.40ACB
05.1737.14ACB

45°
WIDE FLOOD

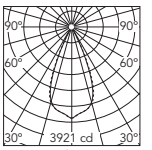


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@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
2104 lm (EXTREME CUT OFF)

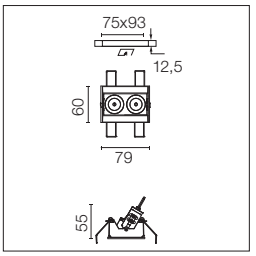
@White (40) 750mA

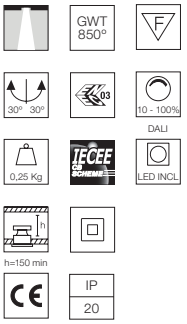
Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Light Shadow Adjustable No Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







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

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

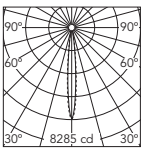
E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I

Non Dimmable
03.8916.40A
03.8916.14A
Dali Version
03.8916.40ADA
03.8916.14ADA
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
03.8917.40ADA
03.8917.14ADA
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
05.1440.40ADA
05.1440.14ADA
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
05.1441.40ADA
05.1441.14ADA
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
05.1442.40ADA
05.1442.14ADA
Mains Dimming
05.1442.40ANI
05.1442.14ANI
Casambi
05.1442.40ACB
05.1442.14ACB

10°
SPOT



Luminous flux luminaire
453 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

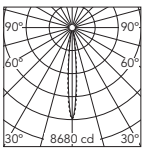
h(m)	E(lx)	D(m)
1	8285	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

Optic Spot 3000K

E I

Non Dimmable
03.8920.40A
03.8920.14A
Dali Version
03.8920.40ADA
03.8920.14ADA
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
03.8921.40ADA
03.8921.14ADA
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
05.1445.40ADA
05.1445.14ADA
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
05.1446.40ADA
05.1446.14ADA
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
05.1447.40ADA
05.1447.14ADA
Mains Dimming
05.1447.40ANI
05.1447.14ANI
Casambi
05.1447.40ACB
05.1447.14ACB

10°
SPOT



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

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9400.40A
03.9400.14A

Dali Version
03.9400.40ADA
03.9400.14ADA

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
03.9401.40ADA
03.9401.14ADA

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
05.1450.40ADA
05.1450.14ADA

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
05.1451.40ADA
05.1451.14ADA

Mains Dimming
05.1451.40ANI
05.1451.14ANI

Casambi
05.1451.40ACB
05.1451.14ACB

Non Dimmable
05.1452.40A
05.1452.14A

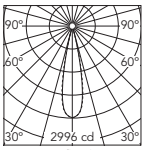
Dali Version
05.1452.40ADA
05.1452.14ADA

Mains Dimming
05.1452.40ANI
05.1452.14ANI

Casambi
05.1452.40ACB
05.1452.14ACB



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
03.9410.40A
03.9410.14A

Dali Version
03.9410.40ADA
03.9410.14ADA

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
03.9411.40ADA
03.9411.14ADA

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
05.1455.40ADA
05.1455.14ADA

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
05.1456.40ADA
05.1456.14ADA

Mains Dimming
05.1456.40ANI
05.1456.14ANI

Casambi
05.1456.40ACB
05.1456.14ACB

Non Dimmable
05.1457.40A
05.1457.14A

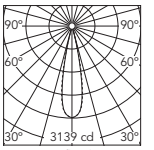
Dali Version
05.1457.40ADA
05.1457.14ADA

Mains Dimming
05.1457.40ANI
05.1457.14ANI

Casambi
05.1457.40ACB
05.1457.14ACB



MEDIUM



Luminous flux luminaire
470 lm (EXTREME CUT OFF)

@White (40)

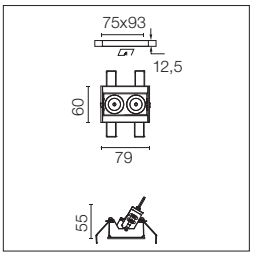
Beam Angle: 22°

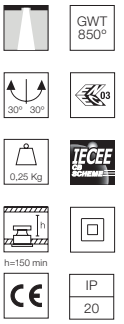
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Adjustable No Trim 2 Spots

Light Source: Power LED DC 900 mA 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90







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

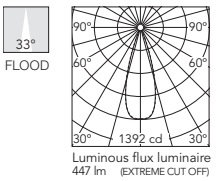
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
03.9405.40A
03.9405.14A
Dali Version
03.9405.40ADA
03.9405.14ADA
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
03.9406.40ADA
03.9406.14ADA
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
05.1460.40ADA
05.1460.14ADA
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
05.1461.40ADA
05.1461.14ADA
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
05.1462.40ADA
05.1462.14ADA
Mains Dimming
05.1462.40ANI
05.1462.14ANI
Casambi
05.1462.40ACB
05.1462.14ACB



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

@White (40)

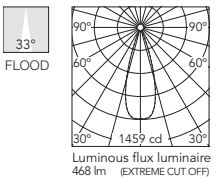
Beam Angle: 33°

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
03.9415.40A
03.9415.14A
Dali Version
03.9415.40ADA
03.9415.14ADA
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
03.9416.40ADA
03.9416.14ADA
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
05.1465.40ADA
05.1465.14ADA
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
05.1466.40ADA
05.1466.14ADA
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
05.1467.40ADA
05.1467.14ADA
Mains Dimming
05.1467.40ANI
05.1467.14ANI
Casambi
05.1467.40ACB
05.1467.14ACB



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

NEW

Optic Wide Flood 2700K

E I

Non Dimmable
03.7350.40A
03.7350.14A

Dali Version
03.7350.40ADA
03.7350.14ADA

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
03.7351.40ADA
03.7351.14ADA

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
05.1470.40ADA
05.1470.14ADA

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
05.1471.40ADA
05.1471.14ADA

Mains Dimming
05.1471.40ANI
05.1471.14ANI

Casambi
05.1471.40ACB
05.1471.14ACB

Non Dimmable
05.1472.40A
05.1472.14A

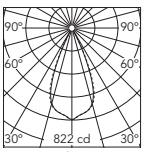
Dali Version
05.1472.40ADA
05.1472.14ADA

Mains Dimming
05.1472.40ANI
05.1472.14ANI

Casambi
05.1472.40ACB
05.1472.14ACB



WIDE FLOOD



Luminous flux luminaire
441 lm (EXTREME CUT OFF)

@White (40)

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

Optic Wide Flood 3000K

E I

Non Dimmable
03.7354.40A
03.7354.14A

Dali Version
03.7354.40ADA
03.7354.14ADA

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
03.7355.40ADA
03.7355.14ADA

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
05.1475.40ADA
05.1475.14ADA

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
05.1476.40ADA
05.1476.14ADA

Mains Dimming
05.1476.40ANI
05.1476.14ANI

Casambi
05.1476.40ACB
05.1476.14ACB

Non Dimmable
05.1477.40A
05.1477.14A

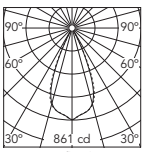
Dali Version
05.1477.40ADA
05.1477.14ADA

Mains Dimming
05.1477.40ANI
05.1477.14ANI

Casambi
05.1477.40ACB
05.1477.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm (EXTREME CUT OFF)

@White (40)

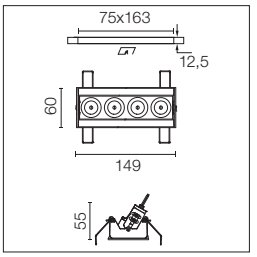
Beam Angle: 45°

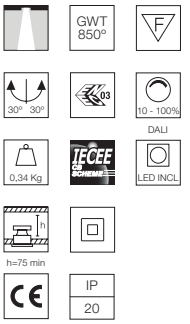
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

Light Shadow Adjustable No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

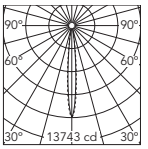
E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K





Luminous flux luminaire
751 lm (EXTREME CUT OFF)

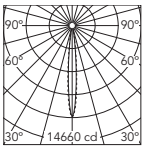
Beam Angle:		10°
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

@White (40)

E I Non Dimmable
03.8924.40A
03.8924.14A
Dali Version
03.8924.40ADA
03.8924.14ADA
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
03.8925.40ADA
03.8925.14ADA
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
05.1540.40ADA
05.1540.14ADA
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
05.1541.40ADA
05.1541.14ADA
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
05.1542.40ADA
05.1542.14ADA
Mains Dimming
05.1542.40ANI
05.1542.14ANI
Casambi
05.1542.40ACB
05.1542.14ACB

Optic Spot 3000K





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

@White (40)

E I Non Dimmable
03.8928.40A
03.8928.14A
Dali Version
03.8928.40ADA
03.8928.14ADA
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
03.8929.40ADA
03.8929.14ADA
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
05.1545.40ADA
05.1545.14ADA
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
05.1546.40ADA
05.1546.14ADA
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
05.1547.40ADA
05.1547.14ADA
Mains Dimming
05.1547.40ANI
05.1547.14ANI
Casambi
05.1547.40ACB
05.1547.14ACB

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9420.40A
03.9420.14A

Dali Version
03.9420.40ADA
03.9420.14ADA

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
03.9421.40ADA
03.9421.14ADA

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
05.1550.40ADA
05.1550.14ADA

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
05.1551.40ADA
05.1551.14ADA

Mains Dimming
05.1551.40ANI
05.1551.14ANI

Casambi
05.1551.40ACB
05.1551.14ACB

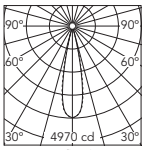
Non Dimmable
05.1552.40A
05.1552.14A

Dali Version
05.1552.40ADA
05.1552.14ADA

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
03.9430.40ADA
03.9430.14ADA

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
03.9431.40ADA
03.9431.14ADA

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
05.1555.40ADA
05.1555.14ADA

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
05.1556.40ADA
05.1556.14ADA

Mains Dimming
05.1556.40ANI
05.1556.14ANI

Casambi
05.1556.40ACB
05.1556.14ACB

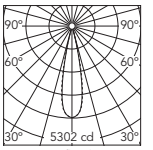
Non Dimmable
05.1557.40A
05.1557.14A

Dali Version
05.1557.40ADA
05.1557.14ADA

Mains Dimming
05.1557.40ANI
05.1557.14ANI

Casambi
05.1557.40ACB
05.1557.14ACB





Luminous flux luminaire
793 lm (EXTREME CUT OFF)

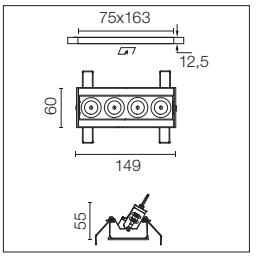
@White (40)

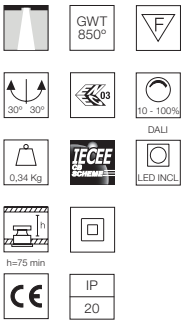
Beam Angle:	22°
h(m)	E(lx) D(m)
1	5302 0.39
2	1325 0.78
3	589 1.17
4	331 1.56
5	212 1.95

Light Shadow Adjustable No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

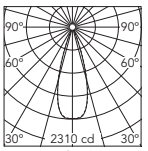
E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

33° FLOOD



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

E I

Non Dimmable
03.9425.40A
03.9425.14A

Dali Version
03.9425.40ADA
03.9425.14ADA

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
03.9426.40ADA
03.9426.14ADA

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
05.1560.40ADA
05.1560.14ADA

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
05.1561.40ADA
05.1561.14ADA

Mains Dimming
05.1561.40ANI
05.1561.14ANI

Casambi
05.1561.40ACB
05.1561.14ACB

Non Dimmable
05.1562.40A
05.1562.14A

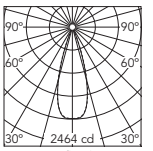
Dali Version
05.1562.40ADA
05.1562.14ADA

Mains Dimming
05.1562.40ANI
05.1562.14ANI

Casambi
05.1562.40ACB
05.1562.14ACB

Optic Flood 3000K

33° FLOOD



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

E I

Non Dimmable
03.9435.40A
03.9435.14A

Dali Version
03.9435.40ADA
03.9435.14ADA

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
03.9436.40ADA
03.9436.14ADA

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
05.1565.40ADA
05.1565.14ADA

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
05.1566.40ADA
05.1566.14ADA

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
05.1567.40ADA
05.1567.14ADA

Mains Dimming
05.1567.40ANI
05.1567.14ANI

Casambi
05.1567.40ACB
05.1567.14ACB

NEW

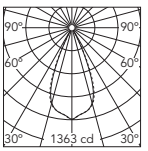
Optic Wide Flood 2700K

E I

Non Dimmable
03.7358.40A
03.7358.14A
Dali Version
03.7358.40ADA
03.7358.14ADA
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
03.7359.40ADA
03.7359.14ADA
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
05.1570.40ADA
05.1570.14ADA
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
05.1571.40ADA
05.1571.14ADA
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
05.1572.40ADA
05.1572.14ADA
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)

@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

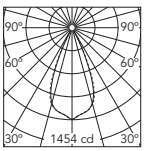
Optic Wide Flood 3000K

E I

Non Dimmable
03.7362.40A
03.7362.14A
Dali Version
03.7362.40ADA
03.7362.14ADA
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
03.7363.40ADA
03.7363.14ADA
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
05.1575.40ADA
05.1575.14ADA
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
05.1576.40ADA
05.1576.14ADA
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
05.1577.40ADA
05.1577.14ADA
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)

@White (40)

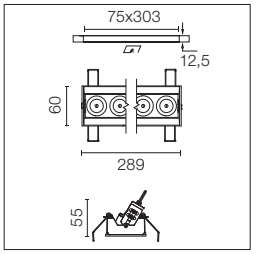
Beam Angle: 45°

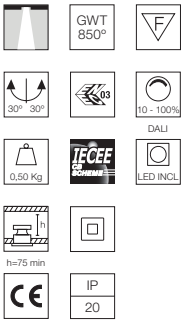
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Light Shadow Adjustable No Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

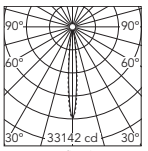
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida. (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8932.40A
03.8932.14A
Dali Version
03.8932.40ADA
03.8932.14ADA
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
03.8933.40ADA
03.8933.14ADA
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
05.1640.40ADA
05.1640.14ADA
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
05.1641.40ADA
05.1641.14ADA
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
05.1642.40ADA
05.1642.14ADA
Mains Dimming
05.1642.40ANI
05.1642.14ANI
Casambi
05.1642.40ACB
05.1642.14ACB

10° SPOT



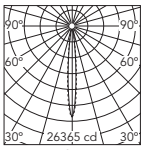
Luminous flux luminaire 1812 lm (EXTREME CUT OFF)

@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 1441 lm (EXTREME CUT OFF)

@White (40) 750mA

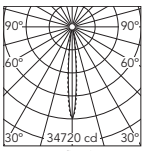
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8936.40A
03.8936.14A
Dali Version
03.8936.40ADA
03.8936.14ADA
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
03.8937.40ADA
03.8937.14ADA
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
05.1645.40ADA
05.1645.14ADA
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
05.1646.40ADA
05.1646.14ADA
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
05.1647.40ADA
05.1647.14ADA
Mains Dimming
05.1647.40ANI
05.1647.14ANI
Casambi
05.1647.40ACB
05.1647.14ACB

10° SPOT



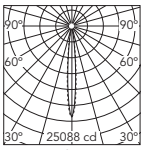
Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

@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 1371 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

NEW

Optic Medium 2700K

E I

Non Dimmable
03.9440.40A
03.9440.14A

Dali Version
03.9440.40ADA
03.9440.14ADA

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
03.9441.40ADA
03.9441.14ADA

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
05.1650.40ADA
05.1650.14ADA

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
05.1651.40ADA
05.1651.14ADA

Mains Dimming
05.1651.40ANI
05.1651.14ANI

Casambi
05.1651.40ACB
05.1651.14ACB

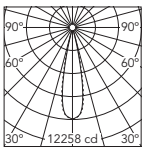
Non Dimmable
05.1652.40A
05.1652.14A

Dali Version
05.1652.40ADA
05.1652.14ADA

Mains Dimming
05.1652.40ANI
05.1652.14ANI

Casambi
05.1652.40ACB
05.1652.14ACB

22°
MEDIUM



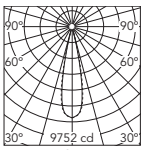
Beam Angle: 22°

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

Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

22°
MEDIUM



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9752	0.39
2	2438	0.78
3	1084	1.17
4	609	1.56
5	390	1.95

Luminous flux luminaire
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

Optic Medium 3000K

E I

Non Dimmable
03.9450.40A
03.9450.14A

Dali Version
03.9450.40ADA
03.9450.14ADA

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
03.9451.40ADA
03.9451.14ADA

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
05.1655.40ADA
05.1655.14ADA

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
05.1656.40ADA
05.1656.14ADA

Mains Dimming
05.1656.40ANI
05.1656.14ANI

Casambi
05.1656.40ACB
05.1656.14ACB

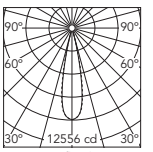
Non Dimmable
05.1657.40A
05.1657.14A

Dali Version
05.1657.40ADA
05.1657.14ADA

Mains Dimming
05.1657.40ANI
05.1657.14ANI

Casambi
05.1657.40ACB
05.1657.14ACB

22°
MEDIUM



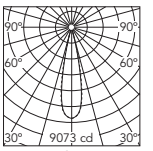
Beam Angle: 22°

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
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

22°
MEDIUM



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9073	0.39
2	2268	0.78
3	1008	1.17
4	567	1.56
5	363	1.95

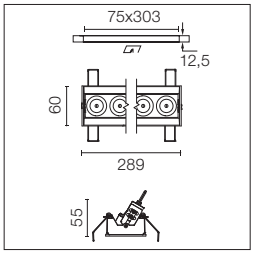
Luminous flux luminaire
1357 lm (EXTREME CUT OFF)

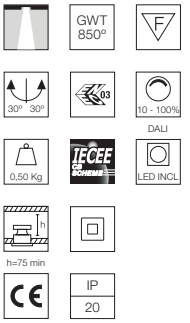
@White (40) 750mA

Light Shadow Adjustable No Trim 8 Spots

Light Source: 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 18,5W - 1800 lm - 2700K/CRI 90 / 18,5W - 1900 lm - 3000K/CRI 90







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

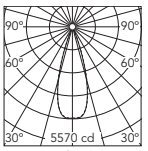
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida. (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9445.40A
03.9445.14A
Dali Version
03.9445.40ADA
03.9445.14ADA
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
03.9446.40ADA
03.9446.14ADA
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
05.1660.40ADA
05.1660.14ADA
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
05.1661.40ADA
05.1661.14ADA
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
05.1662.40ADA
05.1662.14ADA
Mains Dimming
05.1662.40ANI
05.1662.14ANI
Casambi
05.1662.40ACB
05.1662.14ACB

33° FLOOD



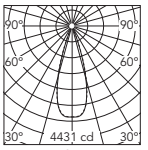
Luminous flux luminaire
1787 lm (EXTREME CUT OFF)

@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
1421 lm (EXTREME CUT OFF)

@White (40) 750mA

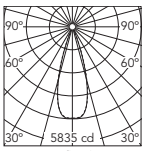
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Optic Flood 3000K

E I Non Dimmable
03.9455.40A
03.9455.14A
Dali Version
03.9455.40ADA
03.9455.14ADA
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
03.9456.40ADA
03.9456.14ADA
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
05.1665.40ADA
05.1665.14ADA
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
05.1666.40ADA
05.1666.14ADA
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
05.1667.40ADA
05.1667.14ADA
Mains Dimming
05.1667.40ANI
05.1667.14ANI
Casambi
05.1667.40ACB
05.1667.14ACB

33° FLOOD



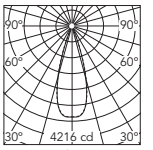
Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

@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
1353 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

NEW

Optic Wide Flood 2700K

E I

Non Dimmable
03.7366.40A
03.7366.14A

Dali Version
03.7366.40ADA
03.7366.14ADA

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
03.7367.40ADA
03.7367.14ADA

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
05.1670.40ADA
05.1670.14ADA

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
05.1671.40ADA
05.1671.14ADA

Mains Dimming
05.1671.40ANI
05.1671.14ANI

Casambi
05.1671.40ACB
05.1671.14ACB

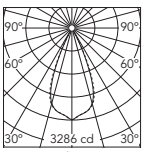
Non Dimmable
05.1672.40A
05.1672.14A

Dali Version
05.1672.40ADA
05.1672.14ADA

Mains Dimming
05.1672.40ANI
05.1672.14ANI

Casambi
05.1672.40ACB
05.1672.14ACB

45°
WIDE FLOOD

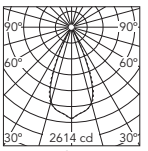


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@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
1403 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I

Non Dimmable
03.7370.40A
03.7370.14A

Dali Version
03.7370.40ADA
03.7370.14ADA

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
03.7371.40ADA
03.7371.14ADA

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
05.1675.40ADA
05.1675.14ADA

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
05.1676.40ADA
05.1676.14ADA

Mains Dimming
05.1676.40ANI
05.1676.14ANI

Casambi
05.1676.40ACB
05.1676.14ACB

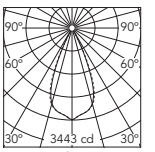
Non Dimmable
05.1677.40A
05.1677.14A

Dali Version
05.1677.40ADA
05.1677.14ADA

Mains Dimming
05.1677.40ANI
05.1677.14ANI

Casambi
05.1677.40ACB
05.1677.14ACB

45°
WIDE FLOOD

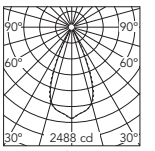


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@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
1335 lm (EXTREME CUT OFF)

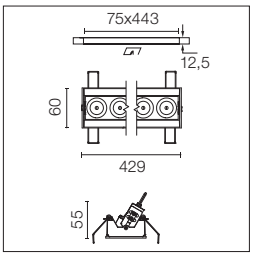
@White (40) 750mA

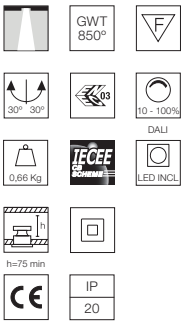
Beam Angle:	45°
h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

Light Shadow Adjustable No Trim 12 Spots

Light Source: 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







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

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable

03.8940.40A
03.8940.14A

Dali & Push Version

03.8940.40ADA
03.8940.14ADA

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

03.8941.40ADA
03.8941.14ADA

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

05.1740.40ADA
05.1740.14ADA

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

05.1741.40ADA
05.1741.14ADA

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

05.1742.40ADA
05.1742.14ADA

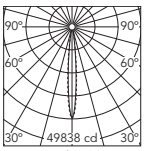
Mains Dimming

05.1742.40ANI
05.1742.14ANI

Casambi

05.1742.40ACB
05.1742.14ACB

10° SPOT

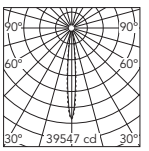


Luminous flux luminaire 2724 lm (EXTREME CUT OFF)

@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 2162 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	10°
h(m)	E(lx) D(m)
1	39547 0.17
2	9887 0.35
3	4394 0.52
4	2472 0.70
5	1582 0.87

Optic Spot 3000K

E I Non Dimmable

03.8944.40A
03.8944.14A

Dali & Push Version

03.8944.40ADA
03.8944.14ADA

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

03.8945.40ADA
03.8945.14ADA

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

05.1745.40ADA
05.1745.14ADA

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

05.1746.40ADA
05.1746.14ADA

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

05.1747.40ADA
05.1747.14ADA

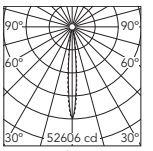
Mains Dimming

05.1747.40ANI
05.1747.14ANI

Casambi

05.1747.40ACB
05.1747.14ACB

10° SPOT

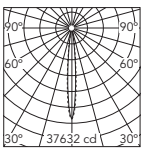


Luminous flux luminaire 2876 lm (EXTREME CUT OFF)

@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 2057 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	10°
h(m)	E(lx) D(m)
1	37632 0.17
2	9408 0.35
3	4181 0.52
4	2352 0.70
5	1505 0.87

NEW

Optic Medium 2700K

E I Non Dimmable

03.9460.40A
03.9460.14A

Dali & Push Version

03.9460.40ADA
03.9460.14ADA

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

03.9461.40ADA
03.9461.14ADA

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

05.1750.40ADA
05.1750.14ADA

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

05.1751.40ADA
05.1751.14ADA

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

05.1752.40ADA
05.1752.14ADA

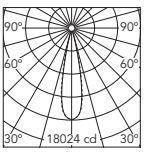
Mains Dimming

05.1752.40ANI
05.1752.14ANI

Casambi

05.1752.40ACB
05.1752.14ACB

22°
MEDIUM



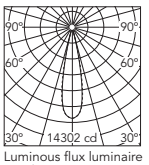
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@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
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Optic Medium 3000K

E I Non Dimmable

03.9470.40A
03.9470.14A

Dali & Push Version

03.9470.40ADA
03.9470.14ADA

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

03.9471.40ADA
03.9471.14ADA

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

05.1755.40ADA
05.1755.14ADA

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

05.1756.40ADA
05.1756.14ADA

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

05.1757.40ADA
05.1757.14ADA

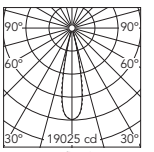
Mains Dimming

05.1757.40ANI
05.1757.14ANI

Casambi

05.1757.40ACB
05.1757.14ACB

22°
MEDIUM



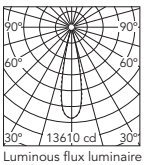
Luminous flux luminaire
2846 lm (EXTREME CUT OFF)

@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
2036 lm (EXTREME CUT OFF)

@White (40) 750mA

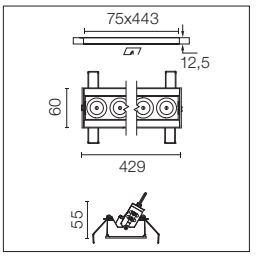
Beam Angle: 22°

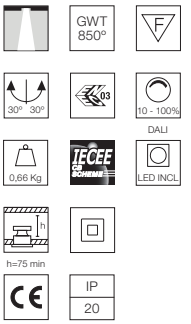
h(m)	E(lx)	D(m)
1	13610	0.39
2	3402	0.78
3	1512	1.17
4	851	1.56
5	544	1.95

Light Shadow Adjustable No Trim 12 Spots

Light Source: 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







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

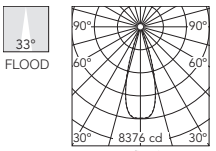
E= External Finish
I= Internal Finish

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

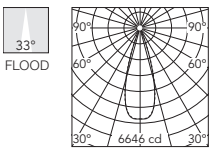
E I Non Dimmable
03.9465.40A
03.9465.14A
Dali & Push Version
03.9465.40ADA
03.9465.14ADA
Mains Dimming
03.9465.40ANI
03.9465.14ANI
Casambi
03.9465.40ACB
03.9465.14ACB
Non Dimmable
03.9466.40A
03.9466.14A
Dali & Push Version
03.9466.40ADA
03.9466.14ADA
Mains Dimming
03.9466.40ANI
03.9466.14ANI
Casambi
03.9466.40ACB
03.9466.14ACB
Non Dimmable
05.1760.40A
05.1760.14A
Dali & Push Version
05.1760.40ADA
05.1760.14ADA
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
05.1761.40ADA
05.1761.14ADA
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
05.1762.40ADA
05.1762.14ADA
Mains Dimming
05.1762.40ANI
05.1762.14ANI
Casambi
05.1762.40ACB
05.1762.14ACB



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



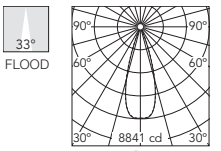
Luminous flux luminaire 2132 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Optic Flood 3000K

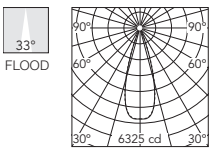
E I Non Dimmable
03.9475.40A
03.9475.14A
Dali & Push Version
03.9475.40ADA
03.9475.14ADA
Mains Dimming
03.9475.40ANI
03.9475.14ANI
Casambi
03.9475.40ACB
03.9475.14ACB
Non Dimmable
03.9476.40A
03.9476.14A
Dali & Push Version
03.9476.40ADA
03.9476.14ADA
Mains Dimming
03.9476.40ANI
03.9476.14ANI
Casambi
03.9476.40ACB
03.9476.14ACB
Non Dimmable
05.1765.40A
05.1765.14A
Dali & Push Version
05.1765.40ADA
05.1765.14ADA
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
05.1766.40ADA
05.1766.14ADA
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
05.1767.40ADA
05.1767.14ADA
Mains Dimming
05.1767.40ANI
05.1767.14ANI
Casambi
05.1767.40ACB
05.1767.14ACB



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



Luminous flux luminaire 2029 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	6325	0.59
2	1581	1.18
3	703	1.78
4	395	2.37
5	253	2.96

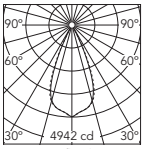
NEW

Optic Wide Flood 2700K

E I

Non Dimmable
03.7374.40A
03.7374.14A
Dali & Push Version
03.7374.40ADA
03.7374.14ADA
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
03.7375.40ADA
03.7375.14ADA
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
05.1770.40ADA
05.1770.14ADA
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
05.1771.40ADA
05.1771.14ADA
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
05.1772.40ADA
05.1772.14ADA
Mains Dimming
05.1772.40ANI
05.1772.14ANI
Casambi
05.1772.40ACB
05.1772.14ACB

45°
WIDE FLOOD



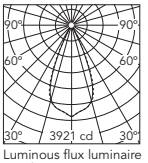
Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@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
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 45°

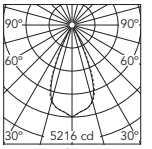
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Optic Wide Flood 3000K

E I

Non Dimmable
03.7378.40A
03.7378.14A
Dali & Push Version
03.7378.40ADA
03.7378.14ADA
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
03.7379.40ADA
03.7379.14ADA
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
05.1775.40ADA
05.1775.14ADA
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
05.1776.40ADA
05.1776.14ADA
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
05.1777.40ADA
05.1777.14ADA
Mains Dimming
05.1777.40ANI
05.1777.14ANI
Casambi
05.1777.40ACB
05.1777.14ACB

45°
WIDE FLOOD



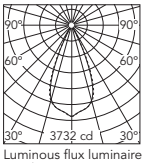
Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

@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
2002 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 45°

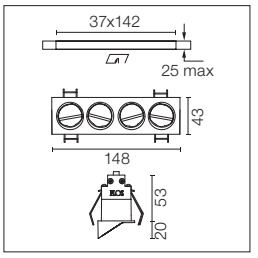
h(m)	E(lx)	D(m)
1	3732	0.83
2	933	1.67
3	415	2.50
4	233	3.34
5	149	4.17

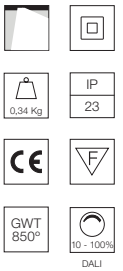
NEW

Light Shadow Wall-Washer Trim 4 Spots

Light Source: Power LED 1 DC 900 mA 0,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

2700K

- ☐ 03.9901.40A
- ■ 03.9901.14A

Dali Version

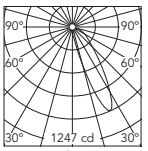
- ☐ 03.9901.40ADA
- ■ 03.9901.14ADA

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	1247	0.50
2	312	0.99
3	139	1.49
4	78	1.99
5	50	2.48

3000K

- ☐ 03.9900.40A
- ■ 03.9900.14A

Dali Version

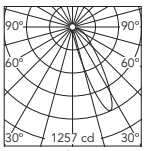
- ☐ 03.9900.40ADA
- ■ 03.9900.14ADA

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)

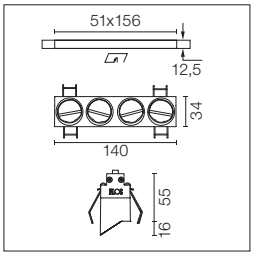
Beam Angle: 22°

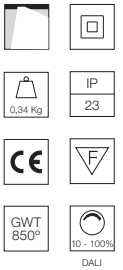
h(m)	E(lx)	D(m)
1	1257	0.50
2	314	0.99
3	140	1.49
4	79	1.99
5	50	2.48

Light Shadow Wall-Washer No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







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).

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado (08.0511.00).

2700K

- ☐ 03.9903.40A
- ■ 03.9903.14A

Dali Version

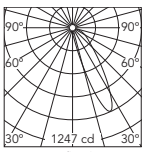
- ☐ 03.9903.40ADA
- ■ 03.9903.14ADA

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	1247	0.50
2	312	0.99
3	139	1.49
4	78	1.99
5	50	2.48

3000K

- ☐ 03.9902.40A
- ■ 03.9902.14A

Dali Version

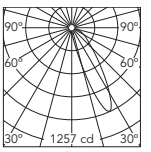
- ☐ 03.9902.40ADA
- ■ 03.9902.14ADA

Mains Dimming

- ☐ 03.9902.40ANI
- ■ 03.9902.14ANI

Casambi

- ☐ 03.9902.40ACB
- ■ 03.9902.14ACB



Luminous flux luminaire
696 lm (EXTREME CUT OFF)

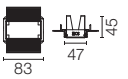
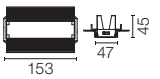
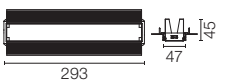
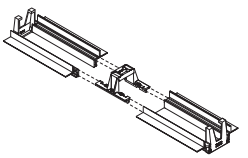
@Black (14)

Beam Angle: 22°

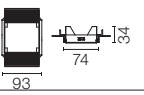
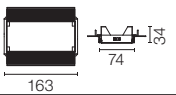
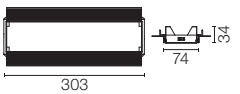
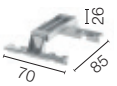
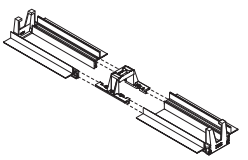
h(m)	E(lx)	D(m)
1	1257	0.50
2	314	0.99
3	140	1.49
4	79	1.99
5	50	2.48

Accessories / Accesorios

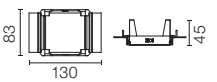
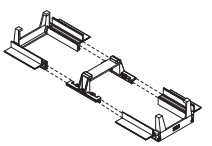
Light Shadow Fixed No Trim

Pre-installation frame.	Marco de pre-instalación.			2L 08.0510.00
Pre-installation frame.	Marco de pre-instalación.			4L 08.0511.00
Pre-installation frame.	Marco de pre-instalación.			8L 08.0512.00
Pre-installation frame.	Marco de pre-instalación.			12L 08.0513.00
Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation frames.	Accesorio para montaje de la línea continua No Trim. Cada accesorio permite conectar dos marcos No Trim para la instalación previa.			08.0052.90

Light Shadow Adjustable No Trim

Pre-installation frame.	Marco de pre-instalación.			2L 08.0515.00
Pre-installation frame.	Marco de pre-instalación.			4L 08.0516.00
Pre-installation frame.	Marco de pre-instalación.			8L 08.0517.00
Pre-installation frame.	Marco de pre-instalación.			12L 08.0518.00
Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation linear frames.	Accesorio para montaje de la línea continua No Trim. Cada accesorio permite conectar dos marcos lineales No Trim para la instalación previa.			08.0059.90

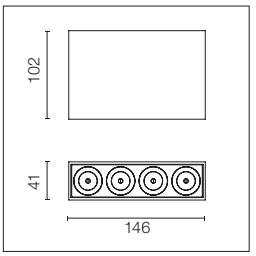
Light Shadow Fixed No Trim Square

Pre-installation frame. Each accessory allows connection between two No Trim pre-installation square frames.	Marco de pre-instalación. Cada accesorio permite conectar dos marcos cuadrados No Trim para la instalación previa.			4L 08.0269.00
Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation square frames.	Accesorio para montaje de la línea continua No Trim. Cada accesorio permite conectar dos marcos cuadrados No Trim para la instalación previa.			4L 08.0270.00

Light Shadow Surface 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

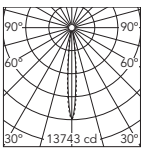
E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Spot 2700K





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

@White (40)

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

Casambi



03.8956.40ACB
03.8956.14ACB
03.8957.40ACB
03.8957.14ACB
05.2102.40ACB
05.2103.40ACB

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

Casambi



03.8965.14ACB
03.8965.40ACB
03.8964.14ACB
03.8964.40ACB
05.2142.14ACB
05.2143.14ACB

Non Dimmable



05.2300.14A
05.2301.14A

Dali Version



05.2300.14ADA
05.2301.14ADA

Casambi



05.2300.14ACB
05.2301.14ACB

Non Dimmable



05.2200.14A
05.2201.14A

Dali Version



05.2200.14ADA
05.2201.14ADA

Casambi



05.2200.14ACB
05.2201.14ACB

Non Dimmable



05.2340.14A
05.2341.14A

Dali Version



05.2340.14ADA
05.2341.14ADA

Casambi



05.2340.14ACB
05.2341.14ACB

Non Dimmable



05.2240.14A
05.2241.14A

Dali Version



05.2240.14ADA
05.2241.14ADA

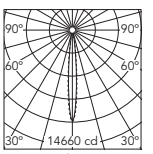
Casambi



05.2240.14ACB
05.2241.14ACB

Optic Spot 3000K





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

@White (40)

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

Casambi



03.8960.40ACB
03.8960.14ACB
03.8961.40ACB
03.8961.14ACB
05.2107.40ACB
05.2108.40ACB

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

Casambi



03.8969.14ACB
03.8969.40ACB
03.8968.14ACB
03.8968.40ACB
05.2147.14ACB
05.2148.14ACB

Non Dimmable



05.2305.14A
05.2306.14A

Dali Version



05.2305.14ADA
05.2306.14ADA

Casambi



05.2305.14ACB
05.2306.14ACB

Non Dimmable



05.2205.14A
05.2206.14A

Dali Version



05.2205.14ADA
05.2206.14ADA

Casambi



05.2205.14ACB
05.2206.14ACB

Non Dimmable



05.2345.14A
05.2346.14A

Dali Version



05.2345.14ADA
05.2346.14ADA

Casambi



05.2345.14ACB
05.2346.14ACB

Non Dimmable

05.2245.14A
05.2246.14A

Dali Version

05.2245.14ADA
05.2246.14ADA

Casambi

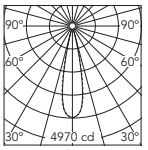
05.2245.14ACB
05.2246.14ACB

LIGHT SHADOW

NEW

Optic Medium 2700K

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

@White (40)

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

Casambi
- 03.9720.40ACB
- 03.9720.14ACB
- 03.9721.40ACB
- 03.9721.14ACB
- 05.2112.40ACB
- 05.2113.40ACB

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
- 03.2152.40ADA
- 05.2153.14ADA

Casambi
- 03.9821.14ACB
- 03.9821.40ACB
- 03.9820.14ACB
- 03.9820.40ACB
- 03.2152.40ACB
- 05.2153.14ACB

Non Dimmable
- 05.2310.14A
- 05.2311.14A

Dali Version
- 05.2310.14ADA
- 05.2311.14ADA

Casambi
- 05.2310.14ACB
- 05.2311.14ACB

Non Dimmable
- 05.2350.14A
- 05.2351.14A

Dali Version
- 05.2350.14ADA
- 05.2351.14ADA

Casambi
- 05.2350.14ACB
- 05.2351.14ACB

Non Dimmable
- 05.2210.14A
- 05.2211.14A

Dali Version
- 05.2210.14ADA
- 05.2211.14ADA

Casambi
- 05.2210.14ACB
- 05.2211.14ACB

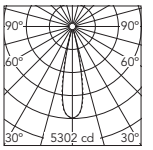
Non Dimmable
- 05.2250.14A
- 05.2251.14A

Dali Version
- 05.2250.14ADA
- 05.2251.14ADA

Casambi
- 05.2250.14ACB
- 05.2251.14ACB

Optic Medium 3000K

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

@White (40)

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

Casambi
- 03.9730.40ACB
- 03.9730.14ACB
- 03.9731.40ACB
- 03.9731.14ACB
- 05.2117.40ACB
- 05.2118.40ACB

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

Casambi
- 03.9831.14ACB
- 03.9831.40ACB
- 03.9830.14ACB
- 03.9830.40ACB
- 05.2157.14ACB
- 05.2158.14ACB

Non Dimmable
- 05.2315.14A
- 05.2316.14A

Dali Version
- 05.2315.14ADA
- 05.2316.14ADA

Casambi
- 05.2315.14ACB
- 05.2316.14ACB

Non Dimmable
- 05.2355.14A
- 05.2356.14A

Dali Version
- 05.2355.14ADA
- 05.2356.14ADA

Casambi
- 05.2355.14ACB
- 05.2356.14ACB

Non Dimmable
- 05.2215.14A
- 05.2216.14A

Dali Version
- 05.2215.14ADA
- 05.2216.14ADA

Casambi
- 05.2215.14ACB
- 05.2216.14ACB

Non Dimmable
- 05.2255.14A
- 05.2256.14A

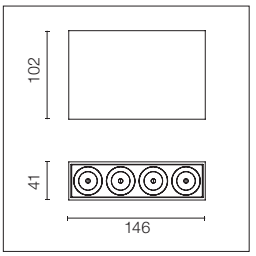
Dali Version
- 05.2255.14ADA
- 05.2256.14ADA

Casambi
- 05.2255.14ACB
- 05.2256.14ACB

Light Shadow Surface 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

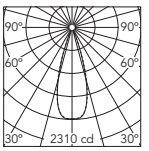
E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Flood 2700K





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)

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

Casambi

03.9725.40ACB
03.9725.14ACB
03.9726.40ACB
03.9726.14ACB
05.2122.40ACB
05.2123.40ACB

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

Casambi

03.9826.14ACB
03.9826.40ACB
03.9825.14ACB
03.9825.40ACB
05.2162.14ACB
05.2163.14ACB

Non Dimmable

05.2320.14A
05.2321.14A

Dali Version

05.2320.14ADA
05.2321.14ADA

Casambi

05.2320.14ACB
05.2321.14ACB

Non Dimmable

05.2360.14A
05.2361.14A

Dali Version

05.2360.14ADA
05.2361.14ADA

Casambi

05.2360.14ACB
05.2361.14ACB

Non Dimmable

05.2220.14A
05.2221.14A

Dali Version

05.2220.14ADA
05.2221.14ADA

Casambi

05.2220.14ACB
05.2221.14ACB

Non Dimmable

05.2260.14A
05.2261.14A

Dali Version

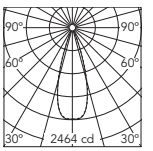
05.2260.14ADA
05.2261.14ADA

Casambi

05.2260.14ACB
05.2261.14ACB

Optic Flood 3000K





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)

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

Casambi

03.9735.40ACB
03.9735.14ACB
03.9736.40ACB
03.9736.14ACB
05.2127.40ACB
05.2128.40ACB

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

Casambi

03.9836.14ACB
03.9836.40ACB
03.9835.14ACB
03.9835.40ACB
05.2167.14ACB
05.2168.14ACB

Non Dimmable

05.2325.14A
05.2326.14A

Dali Version

05.2325.14ADA
05.2326.14ADA

Casambi

05.2325.14ACB
05.2326.14ACB

Non Dimmable

05.2365.14A
05.2366.14A

Dali Version

05.2365.14ADA
05.2366.14ADA

Casambi

05.2365.14ACB
05.2366.14ACB

Non Dimmable

05.2225.14A
05.2226.14A

Dali Version

05.2225.14ADA
05.2226.14ADA

Casambi

05.2225.14ACB
05.2226.14ACB

Non Dimmable

05.2265.14A
05.2266.14A

Dali Version

05.2265.14ADA
05.2266.14ADA

Casambi

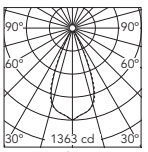
05.2265.14ACB
05.2266.14ACB

NEW

Optic Wide Flood 2700K



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)

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

Casambi



03.9760.40ACB
03.9760.14ACB
03.9761.40ACB
03.9761.14ACB
05.2132.40ACB
05.2133.40ACB

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

Casambi



03.9861.14ACB
03.9861.40ACB
03.9860.14ACB
03.9860.40ACB
05.2172.14ACB
05.2173.14ACB

Non Dimmable



05.2330.14A
05.2331.14A

Dali Version



05.2330.14ADA
05.2331.14ADA

Casambi



05.2330.14ACB
05.2331.14ACB

Non Dimmable



05.2370.14A
05.2371.14A

Dali Version



05.2370.14ADA
05.2371.14ADA

Casambi



05.2370.14ACB
05.2371.14ACB

Non Dimmable



05.2230.14A
05.2231.14A

Dali Version



05.2230.14ADA
05.2231.14ADA

Casambi



05.2230.14ACB
05.2231.14ACB

Non Dimmable



05.2270.14A
05.2271.14A

Dali Version



05.2270.14ADA
05.2271.14ADA

Casambi

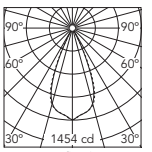


05.2270.14ACB
05.2271.14ACB

Optic Wide Flood 3000K



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)

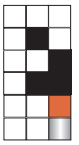
B E I

Non Dimmable



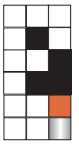
03.9764.40A
03.9764.14A
03.9765.40A
03.9765.14A
05.2137.40A
05.2138.40A

Dali Version



03.9764.40ADA
03.9764.14ADA
03.9765.40ADA
03.9765.14ADA
05.2137.40ADA
05.2138.40ADA

Casambi



03.9764.40ACB
03.9764.14ACB
03.9765.40ACB
03.9765.14ACB
05.2137.40ACB
05.2138.40ACB

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

Casambi



03.9865.14ACB
03.9865.40ACB
03.9864.14ACB
03.9864.40ACB
05.2177.14ACB
05.2178.14ACB

Non Dimmable



05.2335.14A
05.2336.14A

Dali Version



05.2335.14ADA
05.2336.14ADA

Casambi



05.2335.14ACB
05.2336.14ACB

Non Dimmable



05.2375.14A
05.2376.14A

Dali Version



05.2375.14ADA
05.2376.14ADA

Casambi



05.2375.14ACB
05.2376.14ACB

Non Dimmable



05.2235.14A
05.2236.14A

Dali Version



05.2235.14ADA
05.2236.14ADA

Casambi



05.2235.14ACB
05.2236.14ACB

Non Dimmable



05.2275.14A
05.2276.14A

Dali Version



05.2275.14ADA
05.2276.14ADA

Casambi



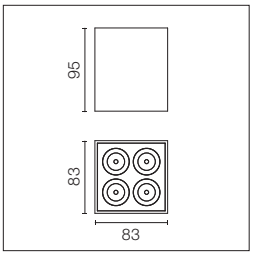
05.2275.14ACB
05.2276.14ACB

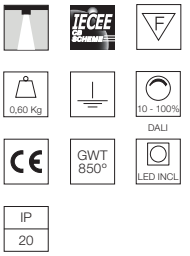
NEW

Light Shadow Surface 4 Spots Square

Light Source: 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







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

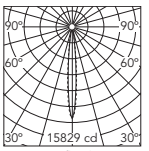
Optic Spot 2700K

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

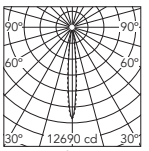


Beam Angle:		10°
h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

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

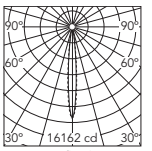
Optic Spot 3000K

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

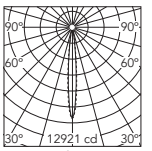


Beam Angle:		10°
h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

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

NEW

Optic Medium 2700K

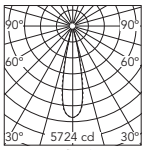
B E I

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

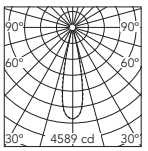


Luminous flux luminaire
856 lm (EXTREME CUT OFF)

@White (40) 900mA

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

22° MEDIUM



Luminous flux luminaire
686 lm (EXTREME CUT OFF)

@White (40) 700mA

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

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

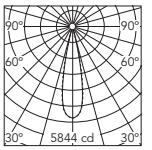
B E I

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

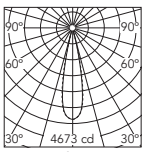


Luminous flux luminaire
874 lm (EXTREME CUT OFF)

@White (40) 900mA

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

22° MEDIUM



Luminous flux luminaire
699 lm (EXTREME CUT OFF)

@White (40) 700mA

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

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

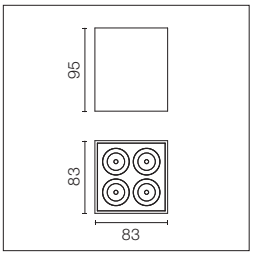
NEW

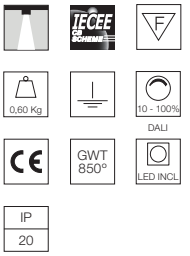
LIGHT SHADOW

Light Shadow Surface 4 Spots Square

Light Source: 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







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

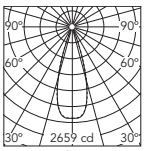
Optic Flood 2700K

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

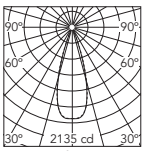


Luminous flux luminaire
853 lm (EXTREME CUT OFF)

@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

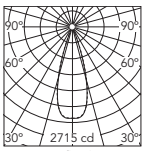
Optic Flood 3000K

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

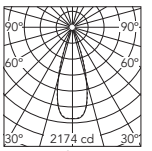


Luminous flux luminaire
871 lm (EXTREME CUT OFF)

@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

NEW

Optic Wide Flood 2700K

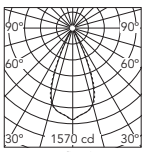
B E I

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

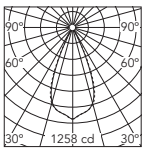


Luminous flux luminaire
842 lm (EXTREME CUT OFF)

@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

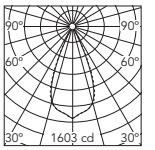
B E I

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

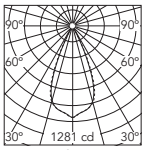


Luminous flux luminaire
860 lm (EXTREME CUT OFF)

@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

NEW

LIGHT SHADOW PRO&DOTS

DESIGNED BY FLOS ARCHITECTURAL

DOTS Ø30 FIXED



LIGHT SOURCE
POWER LED
3W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90

PRO Ø60 FIXED



LIGHT SOURCE
LED ARRAY
Up to 15W
1325 lm
2700K/CRI 90
1427 lm
3000K/CRI 90
1515 lm
4000K/CRI 90

PRO Ø60 ADJUSTABLE



LIGHT SOURCE
LED ARRAY
10,5W
1035 lm
2700K/CRI 90
1115 lm
3000K/CRI 90
1185 lm
4000K/CRI 90

PRO Ø90 FIXED



LIGHT SOURCE
LED ARRAY
Up to 22W
2324 lm
2700K/CRI 90
2419 lm
3000K/CRI 90
2520 lm
4000K/CRI 90

PRO Ø90 ADJUSTABLE



LIGHT SOURCE
LED ARRAY
Up to 18W
1590 lm
2700K/CRI 90
1710 lm
3000K/CRI 90
1815 lm
4000K/CRI 90

HIGH COMFORT

- 14 Black / 14 Negro



- 40 White / 40 Blanco



- ER Steel / ER Acero



- ES Bronze / ES Bronce



- EQ Copper / EQ Cobre



NEW

Description
Recessed indoor luminaires. The natural evolution of Light Shadow, now available in Dots and Pro versions.
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.
The new Pro versions are 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.
Light Shadow Pro 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.

Optical system
- Light Shadow Dots 1/2/4 spots: Spot, Medium, Flood, Wide Flood. 2700K, 3000K.
- Light Shadow Pro Ø60 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.
- Light Shadow Pro Ø90 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.
The family is offered with super narrow, accent and general lighting optics.
To provide solutions for more decorative environments, the following range of colors has been developed with different interior finishes: white, steel, bronze, copper and black.
The black finish brings maximum visual comfort, avoids glare and totally hides the LED source from direct view.

Power Supply
Remote equipment not included.
Dimmable versions available via 0-10V, Dali, Mains dimming and Casambi.
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 necessary (available in the Apple Store and Google Play).
110V units available on request.

Accessories
The pre-installation frame made of plastic material is always required for installation in false ceiling, to be ordered separately.
The Pro version is available in the Trim and No Trim versions.
The Dots version is only available in the No Trim version.
The installation frame must be ordered separately and remote access to the driver is necessary in some cases. To use only one driver for various spots, connect the spots in series. The driver should be connected directly to the recessed frames in the Dots version.

Additional Information
Installation frames are designed for installation on ceilings up to 25mm of thickness.
IP20, IP23, IP54 protection grade depending on the versions.
Insulation class III.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Luminarias de interior, empotrables. Son la evolución natural de Light Shadow, ahora en versiones Dots y Pro. Gracias a sus cualidades principales: tamaños reducidos, rendimiento y gran apantallamiento, facilitan su total integración arquitectónica en multitud de espacios.
La familia nace de la necesidad de una luminaria completamente oculta, compacta y de fácil instalación, con el estilo distintivo de Flos, capaz de producir una iluminación de alta eficiencia y respetando a su vez los más altos estándares de confort visual, en especial en versiones con cuerpos de apantallamiento negros.
Las nuevas versiones Pro son el resultado de una cuidadosa investigación óptica. Lente de doble foco desarrollada por FLOS específicamente para estos productos. Garantiza el máximo control óptico y una homogeneidad excepcional del haz de luz. Light Shadow Pro aprovecha los beneficios de una innovadora lente de silicona micro-texturizada que permite un control extremo además de proporcionar una eficiencia absoluta, resistencia al calor y máxima calidad en la distribución de la luz. Incorpora un LED Array con un tratamiento de su proyección de luz innovador que permite ópticas muy estrechas y de iluminación general. Atenuador de "cut-off" completo integrado.
El kit óptico disponible incluye 5 aberturas de haz diferenciadas, cada una desarrollada para una aplicación especial. Tanto si se trata de haces intensivos o efectos de luz difusa, el control óptico siempre es excepcional y la luz espuria está totalmente ausente.

Sistema óptico
- Light Shadow Dots 1/2/4 spots: Spot, Medium, Flood, Wide Flood. 2700K, 3000K.
- Light Shadow Pro Ø60 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.
- Light Shadow Pro Ø90 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.
La familia se ofrece con ópticas de súper acento, acento e iluminación general.
Para dar soluciones en ambientes más decorativos se ha desarrollado la siguiente gama de colores con diferentes acabados interiores: blanco, acero, bronce, cobre y negro.
El acabado negro proporciona el mayor nivel de confort óptico, minimizando el deslumbramiento y el ángulo en el que el LED es visible directamente.

Unidades de Alimentación
Equipo remoto no incluido, pedir por separado según las recomendaciones.
Versiones regulables disponibles vía 0-10V, Dali, Mains dimming y Casambi.
Para gestión mediante Casambi (Máximo 200 luminarias) es necesario descargar la app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
Versiones con equipo 110V disponibles bajo pedido.

Accesorios
Siempre es necesario el marco de preinstalación realizado en material plástico para su instalación en falso techo, pedir por separado.
La versión Pro está disponible en versiones Trim y No Trim.
La versión Dots solo está disponible en versión No Trim.
El marco de instalación ha de pedirse por separado y en algunos casos necesita acceso remoto al driver. Para usar un solo driver para varios spots, realizar conexión en serie. El driver se debe conectar directamente a los marcos de empotramiento en la versión Dots.

Información Adicional
Los marcos se han diseñado para una instalación en techos de un espesor de hasta 25 mm.
Índice de protección IP20, IP23, IP54, según las versiones.
Clase de aislamiento III.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

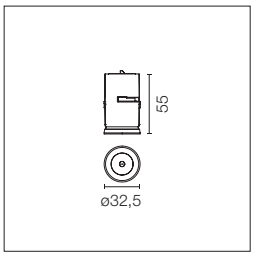
Available on the App Store

GET IT ON Google Play

Light Shadow DOTS Ø30 - Single Spot Module

Light Source: Power LED DC 900 mA - 3W - 270 lm - 2700K/CRI 90 / 3W - 285 lm - 3000K/CRI 90
Set of 1 spot mains dimming. Power LED DC 750 mA - 2,5W - 222 lm - 2700K/CRI 90 / 2,5W - 235 lm - 3000K/CRI 90





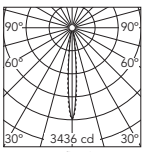
LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included, the driver has to be directly connected to the embedding frames.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Disponible en versiones de una luz y grupos de dos y cuatro luces. Driver no incluido, el driver se debe conectar directamente a los marcos de empotramiento.

2700K

Set of 1 spot
- 03.8600.40A
- 03.8600.14A
- 03.8600.ERA
- 03.8600.ESA
- 03.8600.EQA

10° SPOT



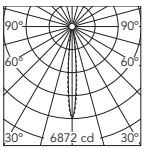
Luminous flux luminaire 188 lm (EXTREME CUT OFF)

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
- 03.8640.40A
- 03.8640.14A
- 03.8640.ERA
- 03.8640.ESA
- 03.8640.EQA

10° SPOT



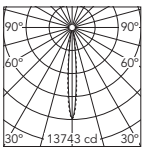
Luminous flux luminaire 376 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	6872	0.17
2	1718	0.35
3	764	0.52
4	429	0.70
5	275	0.87

Set of 4 spots
- 03.8610.40A
- 03.8610.14A
- 03.8610.ERA
- 03.8610.ESA
- 03.8610.EQA

10° SPOT



Luminous flux luminaire 751 lm (EXTREME CUT OFF)
@White (40) 900mA

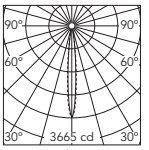
Beam Angle: 10°

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

3000K

Set of 1 spot
- 03.8603.40A
- 03.8603.14A
- 03.8603.ERA
- 03.8603.ESA
- 03.8603.EQA

10° SPOT



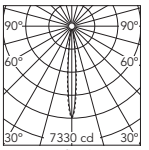
Luminous flux luminaire 200 lm (EXTREME CUT OFF)

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
- 03.8643.40A
- 03.8643.14A
- 03.8643.ERA
- 03.8643.ESA
- 03.8643.EQA

10° SPOT



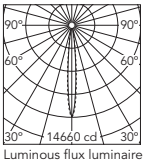
Luminous flux luminaire 401 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	7330	0.17
2	1832	0.35
3	814	0.52
4	458	0.70
5	293	0.87

Set of 4 spots
- 03.8613.40A
- 03.8613.14A
- 03.8613.ERA
- 03.8613.ESA
- 03.8613.EQA

10° SPOT



Luminous flux luminaire 801 lm (EXTREME CUT OFF)
@White (40) 900mA

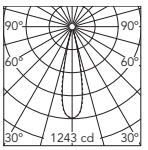
Beam Angle: 10°

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

Set of 1 spot
- 03.8601.40A
- 03.8601.14A
- 03.8601.ERA
- 03.8601.ESA
- 03.8601.EQA

22° MEDIUM



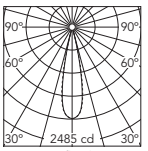
Luminous flux luminaire 186 lm (EXTREME CUT OFF)

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
- 03.8641.40A
- 03.8641.14A
- 03.8641.ERA
- 03.8641.ESA
- 03.8641.EQA

22° MEDIUM



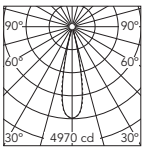
Luminous flux luminaire 372 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2485	0.39
2	621	0.78
3	276	1.17
4	155	1.56
5	99	1.95

Set of 4 spots
- 03.8611.40A
- 03.8611.14A
- 03.8611.ERA
- 03.8611.ESA
- 03.8611.EQA

22° MEDIUM



Luminous flux luminaire 744 lm (EXTREME CUT OFF)
@White (40) 900mA

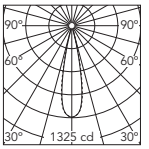
Beam Angle: 22°

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

3000K

Set of 1 spot
- 03.8604.40A
- 03.8604.14A
- 03.8604.ERA
- 03.8604.ESA
- 03.8604.EQA

22° MEDIUM



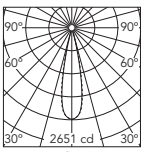
Luminous flux luminaire 198 lm (EXTREME CUT OFF)

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
- 03.8644.40A
- 03.8644.14A
- 03.8644.ERA
- 03.8644.ESA
- 03.8644.EQA

22° MEDIUM



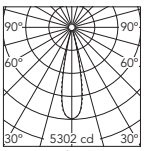
Luminous flux luminaire 397 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2651	0.39
2	663	0.78
3	295	1.17
4	166	1.56
5	106	1.95

Set of 4 spots
- 03.8614.40A
- 03.8614.14A
- 03.8614.ERA
- 03.8614.ESA
- 03.8614.EQA

22° MEDIUM



Luminous flux luminaire 793 lm (EXTREME CUT OFF)
@White (40) 900mA

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

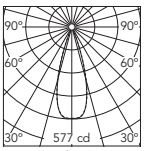
NEW

2700K

Set of 1 spot

03.8602.40A
03.8602.14A
03.8602.ERA
03.8602.ESA
03.8602.EQA

33° FLOOD



Luminous flux luminaire
185 lm (EXTREME CUT OFF)

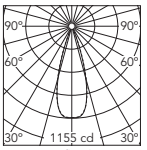
Beam Angle: 33°

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

03.8642.40A
03.8642.14A
03.8642.ERA
03.8642.ESA
03.8642.EQA

33° FLOOD



Luminous flux luminaire
370 lm (EXTREME CUT OFF)

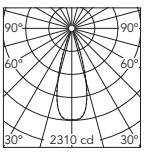
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1155	0.59
2	289	1.18
3	128	1.78
4	72	2.37
5	46	2.96

Set of 4 spots

03.8612.40A
03.8612.14A
03.8612.ERA
03.8612.ESA
03.8612.EQA

33° FLOOD



Luminous flux luminaire
741 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle: 33°

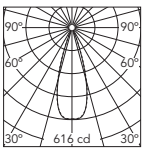
h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

3000K

Set of 1 spot

03.8605.40A
03.8605.14A
03.8605.ERA
03.8605.ESA
03.8605.EQA

33° FLOOD



Luminous flux luminaire
198 lm (EXTREME CUT OFF)

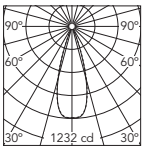
Beam Angle: 33°

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

03.8645.40A
03.8645.14A
03.8645.ERA
03.8645.ESA
03.8645.EQA

33° FLOOD



Luminous flux luminaire
395 lm (EXTREME CUT OFF)

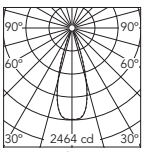
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1232	0.59
2	308	1.18
3	137	1.78
4	77	2.37
5	49	2.96

Set of 4 spots

03.8615.40A
03.8615.14A
03.8615.ERA
03.8615.ESA
03.8615.EQA

33° FLOOD



Luminous flux luminaire
790 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle: 33°

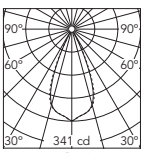
h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

2700K

Set of 1 spot

03.8630.40A
03.8630.14A
03.8630.ERA
03.8630.ESA
03.8630.EQA

45° WIDE FLOOD



Luminous flux luminaire
183 lm (EXTREME CUT OFF)

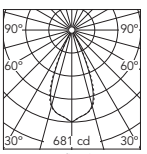
Beam Angle: 45°

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

03.8646.40A
03.8646.14A
03.8646.ERA
03.8646.ESA
03.8646.EQA

45° WIDE FLOOD



Luminous flux luminaire
366 lm (EXTREME CUT OFF)

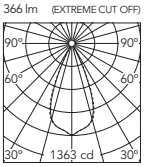
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	681	0.83
2	170	1.67
3	76	2.50
4	43	3.34
5	27	4.17

Set of 4 spots

03.8635.40A
03.8635.14A
03.8635.ERA
03.8635.ESA
03.8635.EQA

45° WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle: 45°

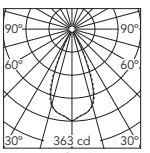
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

3000K

Set of 1 spot

03.8631.40A
03.8631.14A
03.8631.ERA
03.8631.ESA
03.8631.EQA

45° WIDE FLOOD



Luminous flux luminaire
195 lm (EXTREME CUT OFF)

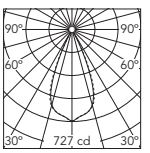
Beam Angle: 45°

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

03.8647.40A
03.8647.14A
03.8647.ERA
03.8647.ESA
03.8647.EQA

45° WIDE FLOOD



Luminous flux luminaire
390 lm (EXTREME CUT OFF)

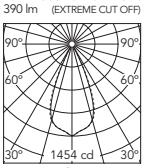
Beam Angle: 45°

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

03.8636.40A
03.8636.14A
03.8636.ERA
03.8636.ESA
03.8636.EQA

45° WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)
@White (40) 900mA

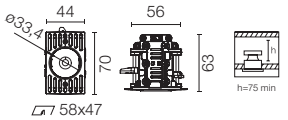
Beam Angle: 45°

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

Accessories / Accesorios

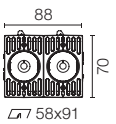
Pre-installation frame.
Marco de pre-instalación.

1L
08.0580.00

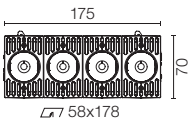
Pre-installation frame.
Marco de pre-instalación.

2L - Int 43
08.0581.00

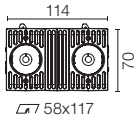
Pre-installation frame.
Marco de pre-instalación.

4L - Int 43
08.0582.00

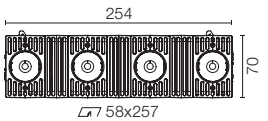
Pre-installation frame.
Marco de pre-instalación.

2L - Int 70
08.0583.00

Pre-installation frame.
Marco de pre-instalación.

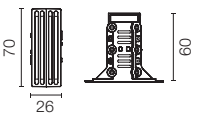
4L - Int 70
08.0584.00

70 mm divider to keep the spacing between spots when putting together 70 mm modules.

Separador de 70mm para mantener la interdistancia en tres focos al unir módulos de 70mm.

08.0586.00

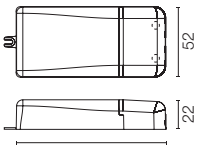



Drivers / Equipos

Non dimmable continuous current power supply of 15W (110V) - 20W (240V) - 50/60Hz, with power current selected through non-adjustable 900 mA switch.

Fuente de alimentación de corriente constante 15W (110V) - 20W (240V) - 50/60Hz con corriente de alimentación seleccionable mediante switch 900 mA no regulable.



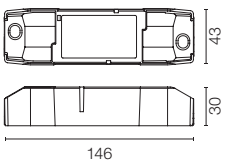


1/2/4L - No Dim
60.8911

Continuous current power supply of 13-38W, 220/240V - 50/60Hz with power current selected through non-adjustable 900 mA switch.

Fuente de alimentación de corriente constante 13-38W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 900 mA no regulable.



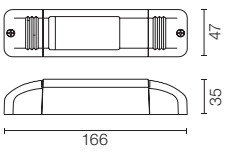


2/4L - No Dim
60.9162

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.

Fuente de alimentación de corriente constante 32W, 230/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W regulable mediante trailing and leading edge dimming, mains dimming o push dimming.



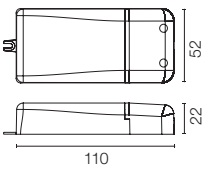


1L - Dim Mains dimming
60.8534

Continuous current power supply, Mains dimming, leading & trailing edge 220/240V - 50/60Hz, 300mA - 14W / 350 mA - 17W / 400 mA - 19W / 450/500/600/650/700/750/800/900 mA - 20W.

Fuente de alimentación de corriente constante, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 300mA - 14W / 350 mA - 17W / 400 mA - 19W / 450/500/600/650/700/750/800/900 mA - 20W.



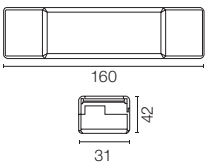


2/4L - Dim Mains dimming
60.9467

Non dimmable continuous current power supply of 20W, dimmable 0-10V, 220/240V - 50/60Hz with power current 900 mA.

Fuente de alimentación de corriente constante 20W, regulable 0-10V, 220/240V - 50/60Hz con corriente de alimentación 900 mA.



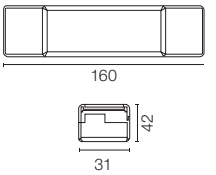


1/2/4L - Dim 0-10V
60.9414

Continuous current power supply of 20W, dimmable DALI 2, 220/240V - 50/60Hz with power current 900 mA.

Fuente de alimentación de corriente constante 20W, regulable DALI 2, 220/240V - 50/60Hz con corriente de alimentación 900 mA.



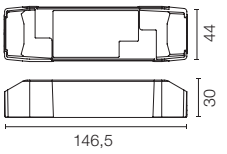


1/2/4L - Dim DALI
60.9602

Continuous current power supply, dimmable Casambi, with power current selected through 900 mA 38W switch, 220/240V - 50/60Hz.

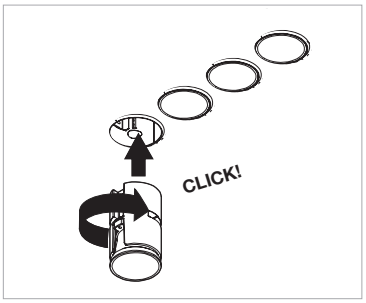
Fuente de alimentación de corriente constante, regulable Casambi, con corriente de alimentación seleccionable mediante switch 900 mA 38W, 220/240V - 50/60Hz.





1/2/4L - Casambi
60.9207

Serial connection			
Driver	DIM Protocol	Pre-installation frame	Spots
60.8911	No Dim	1/2/4 Spots	Up to 6
60.9162	No Dim	2/4 Spots	Up to 11
60.8534	Mains Dim	1 Spot	2 to 6
60.9467	Mains Dim	2 Spots	Up to 3
60.9414	Dim 0-10V	1/2/4 Spots	Up to 6
60.9602	Dim DALI	1/2/4 Spots	Up to 6
60.9207	Casambi	1 Spot	4 to 8
60.9207	Casambi	2 Spots	Up to 4
60.9207	Casambi	4 Spots	Up to 2

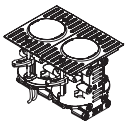



single frame
(ref. 08.0580.00)

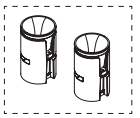
+


1 spot set

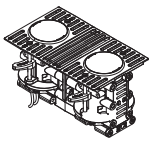
= Light Shadow DOTS 1 Spot


2 spots frame (int 43)
(ref. 08.0581.00)

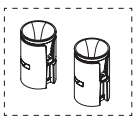
+


2 spots set

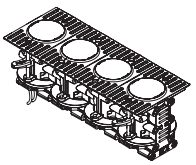
= Light Shadow DOTS 2 Spots (int 43)


2 spots frame (int 70)
(ref. 08.0583.00)

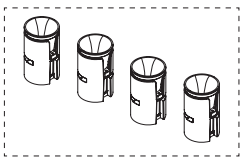
+


2 spots set

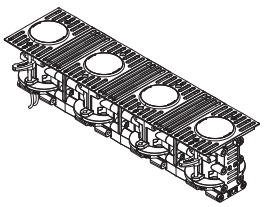
= Light Shadow DOTS 2 Spots (int 70)


4 spots frame (int 43)
(ref. 08.0582.00)

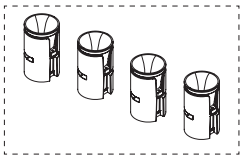
+


4 spots set

= Light Shadow DOTS 4 Spots (int 43)


4 spots frame (int 70)
(ref. 08.0584.00)

+

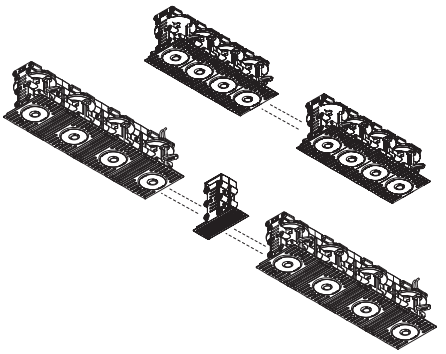

4 spots set

= Light Shadow DOTS 4 Spots (int 70)

HOW TO ORDER LIGHT SHADOW DOTS

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: 08.0584.00) between the luminaires.

A la hora de planificar la iluminación de un entorno, la familia Light Shadow Dots permite proyectar líneas continuas de luz o figuras aleatorias gracias a la sencilla interconexión entre sus luminarias (1, 2 y 4 luces) sin necesidad de utilizar herramienta adicional. En su diseño y planificación, el usuario podrá elegir entre dos distancias predefinidas entre puntos de luz, 43 y 70 mm, siendo necesario el montaje de un accesorio independiente (ref. 08.0584.00) entre luminarias para la versión 70 mm.

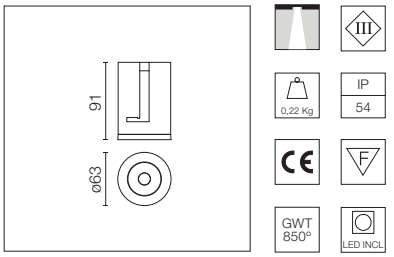


Interconnection information to build a continuous line / Detalle de interconexión para construir una línea continua

Light Shadow PRO Ø60 Fixed

Light Source: LED Array DC Up to 400 mA 15W - 1325 lm - 2700K/CRI 90 / 15W - 1427 lm - 3000K/CRI 90 / 15W - 1515 lm - 4000K/CRI 90
LED Array DC 300 mA** 11W - 1037lm - 2700K/CRI 90 / 11W - 1117 lm - 3000K/CRI 90 / 11W - 1185 lm - 4000K/CRI 90





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 300 mA setting in the remote driver to match the power of the Adjustable version.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

**Seleccione la configuración de 300 mA en el driver remoto para que coincida con la potencia de la versión "Adjustable".

Recommended power supply / Equipos recomendados*:

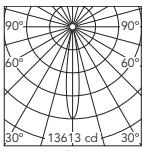
	300mA	400mA
Non Dimmable 220-240V	60.9160	60.9160
Mains Dimming	60.9467	60.9467
Dim 1-10V 220-240V	60.9439	60.9439
Dim 1-10V/Push 110-240V	60.9188	60.9188
Dim Dali 2 220-240V	60.9186	60.9186
Dim Dali 2 110-240V		60.9222
Dim Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot

2700K
03.9950.40
03.9950.14
03.9950.ER
03.9950.ES
03.9950.EQ

16° SPOT



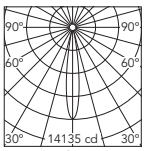
Luminous flux luminaire 1191 lm

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
03.9954.40
03.9954.14
03.9954.ER
03.9954.ES
03.9954.EQ

16° SPOT



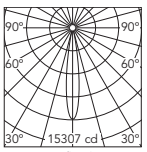
Luminous flux luminaire 1237 lm

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
03.9910.40
03.9910.14
03.9910.ER
03.9910.ES
03.9910.EQ

16° SPOT



Luminous flux luminaire 1339 lm

@White (40) 400mA

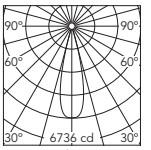
Beam Angle: 16°

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

Optic Medium

2700K
03.9951.40
03.9951.14
03.9951.ER
03.9951.ES
03.9951.EQ

25° MEDIUM



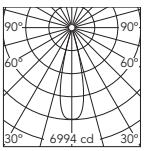
Luminous flux luminaire 1180 lm

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
03.9955.40
03.9955.14
03.9955.ER
03.9955.ES
03.9955.EQ

25° MEDIUM



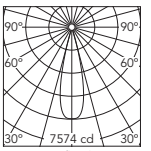
Luminous flux luminaire 1226 lm

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
03.9911.40
03.9911.14
03.9911.ER
03.9911.ES
03.9911.EQ

25° MEDIUM



Luminous flux luminaire 1327 lm

@White (40) 400mA

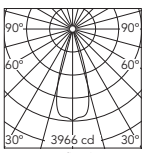
Beam Angle: 25°

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

Optic Flood

2700K
03.9952.40
03.9952.14
03.9952.ER
03.9952.ES
03.9952.EQ

34° FLOOD



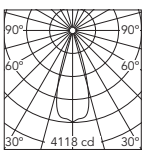
Luminous flux luminaire 1201 lm

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
03.9956.40
03.9956.14
03.9956.ER
03.9956.ES
03.9956.EQ

34° FLOOD



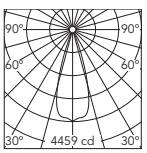
Luminous flux luminaire 1247 lm

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
03.9912.40
03.9912.14
03.9912.ER
03.9912.ES
03.9912.EQ

34° FLOOD



Luminous flux luminaire 1350 lm

@White (40) 400mA

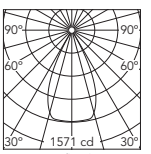
Beam Angle: 34°

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

Optic Wide Flood

2700K
03.9953.40
03.9953.14
03.9953.ER
03.9953.ES
03.9953.EQ

51° WIDE FLOOD



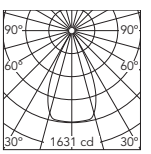
Luminous flux luminaire 1171 lm

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
03.9957.40
03.9957.14
03.9957.ER
03.9957.ES
03.9957.EQ

51° WIDE FLOOD



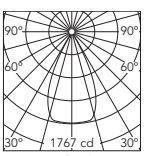
Luminous flux luminaire 1216 lm

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
03.9913.40
03.9913.14
03.9913.ER
03.9913.ES
03.9913.EQ

51° WIDE FLOOD



Luminous flux luminaire 1316 lm

@White (40) 400mA

Beam Angle: 51°

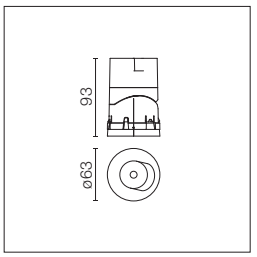
h(m)	E(lx)	D(m)
1	1767	0.95
2	442	1.89
3	196	2.84
4	111	3.79
5	71	4.74

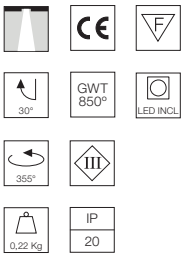
NEW

Light Shadow PRO Ø60 Adjustable

Light Source: 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 lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos) con focos intercambiables. Driver remoto no incluido.

Recommended power supply / Equipos recomendados*:

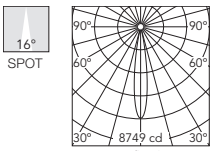
Non Dimmable 220-240V	60.9160
Mains Dimming	60.9467
Dim 1-10V 220-240V	60.9439
Dim 1-10V/Push 110-240V	60.9188
Dim Dali 2 220-240V	60.9186
Dim Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot

2700K

- 03.9971.40A
- 03.9971.14A
- 03.9971.ERA
- 03.9971.ESA
- 03.9971.EQA



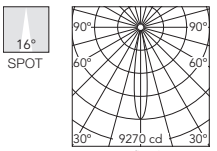
Beam Angle: 16°

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

Luminous flux luminaire 722 lm

3000K

- 03.9976.40A
- 03.9976.14A
- 03.9976.ERA
- 03.9976.ESA
- 03.9976.EQA



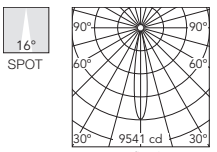
Beam Angle: 16°

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

Luminous flux luminaire 765 lm

4000K

- 03.9931.40A
- 03.9931.14A
- 03.9931.ERA
- 03.9931.ESA
- 03.9931.EQA



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

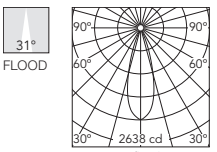
Luminous flux luminaire 787 lm

@White (40)

Optic Flood

2700K

- 03.9973.40A
- 03.9973.14A
- 03.9973.ERA
- 03.9973.ESA
- 03.9973.EQA



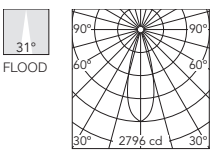
Beam Angle: 31°

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

Luminous flux luminaire 738 lm

3000K

- 03.9978.40A
- 03.9978.14A
- 03.9978.ERA
- 03.9978.ESA
- 03.9978.EQA



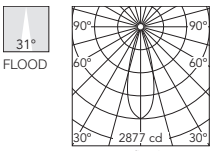
Beam Angle: 31°

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

Luminous flux luminaire 782 lm

4000K

- 03.9933.40A
- 03.9933.14A
- 03.9933.ERA
- 03.9933.ESA
- 03.9933.EQA



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

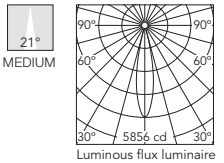
Luminous flux luminaire 805 lm

@White (40)

Optic Medium

2700K

- 03.9972.40A
- 03.9972.14A
- 03.9972.ERA
- 03.9972.ESA
- 03.9972.EQA



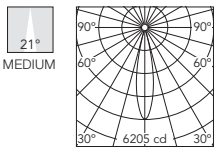
Beam Angle: 21°

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

Luminous flux luminaire 728 lm

3000K

- 03.9977.40A
- 03.9977.14A
- 03.9977.ERA
- 03.9977.ESA
- 03.9977.EQA



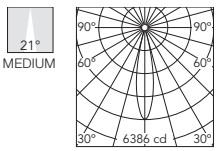
Beam Angle: 21°

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

Luminous flux luminaire 771 lm

4000K

- 03.9932.40A
- 03.9932.14A
- 03.9932.ERA
- 03.9932.ESA
- 03.9932.EQA



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

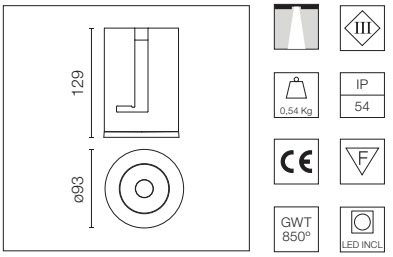
Luminous flux luminaire 794 lm

@White (40)

Light Shadow PRO Ø90 Fixed

Light Source: Super Spot: LED Array DC 500 mA 18W - 1590 lm - 2700K/CRI 90 / 18W - 1710 lm - 3000K/CRI 90 / 18W - 1815 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 600 mA 22W - 2324 lm - 2700K/CRI 90 / 22W - 2419 lm - 3000K/CRI 90 / 22W - 2520 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 550 mA*** 19W - 1962 lm - 2700K/CRI 90 / 19W - 2091 lm - 3000K/CRI 90 / 19W - 2228 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 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.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

**Seleccione la configuración de 500 mA en el driver remoto para que coincida con la potencia de la versión "Adjustable".

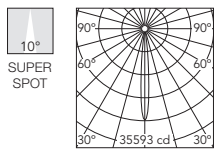
Recommended power supply / Equipos recomendados*:

	500mA	550mA	600mA
Non Dimmable 220-240V	60.9162		60.9162
Non Dimmable 110-240V	60.9523		60.9523
Mains Dimming	60.9467		60.9467
Mains Dimming***		60.8534	
Dim 1-10V 220-240V	60.9439		60.9439
Dim 1-10V/Push 110-240V	60.9188		60.8533
Dim Dali 2 220-240V	60.9186		60.9186
Dim Casambi	60.9207		60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Super Spot

2700K
03.9968.40
03.9968.14
03.9968.ER
03.9968.ES
03.9968.EQ

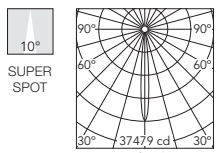


Beam Angle: 10°

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

Luminous flux luminaire 1300 lm

3000K
03.9969.40
03.9969.14
03.9969.ER
03.9969.ES
03.9969.EQ

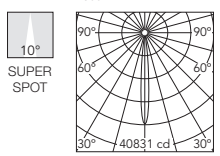


Beam Angle: 10°

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

Luminous flux luminaire 1368 lm

4000K
03.9924.40
03.9924.14
03.9924.ER
03.9924.ES
03.9924.EQ



Beam Angle: 10°

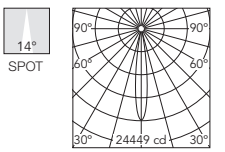
h(m)	E(lx)	D(m)
1	40831	0.17
2	10208	0.34
3	4537	0.51
4	2552	0.67
5	1633	0.84

Luminous flux luminaire 1491 lm

@White (40) 500mA

Optic Spot

2700K
03.9960.40
03.9960.14
03.9960.ER
03.9960.ES
03.9960.EQ

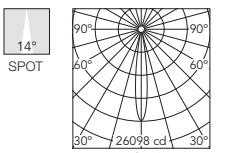


Beam Angle: 14°

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

Luminous flux luminaire 1786 lm

3000K
03.9964.40
03.9964.14
03.9964.ER
03.9964.ES
03.9964.EQ

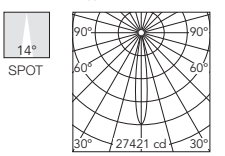


Beam Angle: 14°

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

Luminous flux luminaire 1906 lm

4000K
03.9920.40
03.9920.14
03.9920.ER
03.9920.ES
03.9920.EQ



Beam Angle: 14°

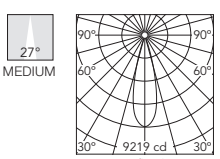
h(m)	E(lx)	D(m)
1	27421	0.25
2	6855	0.50
3	3047	0.75
4	1714	1.00
5	1097	1.25

Luminous flux luminaire 2003 lm

@White (40) 600mA

Optic Medium

2700K
03.9961.40
03.9961.14
03.9961.ER
03.9961.ES
03.9961.EQ

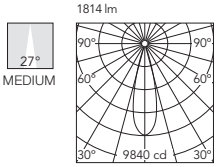


Beam Angle: 27°

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

Luminous flux luminaire 1814 lm

3000K
03.9965.40
03.9965.14
03.9965.ER
03.9965.ES
03.9965.EQ

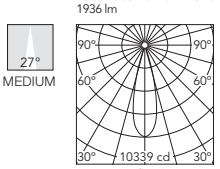


Beam Angle: 27°

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

Luminous flux luminaire 1936 lm

4000K
03.9921.40
03.9921.14
03.9921.ER
03.9921.ES
03.9921.EQ



Beam Angle: 27°

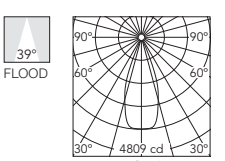
h(m)	E(lx)	D(m)
1	10339	0.48
2	2585	0.95
3	1149	1.43
4	646	1.90
5	414	2.38

Luminous flux luminaire 2034 lm

@White (40) 600mA

Optic Flood

2700K
03.9962.40
03.9962.14
03.9962.ER
03.9962.ES
03.9962.EQ

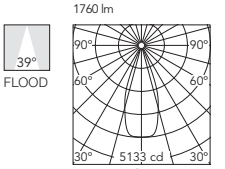


Beam Angle: 39°

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

Luminous flux luminaire 1760 lm

3000K
03.9966.40
03.9966.14
03.9966.ER
03.9966.ES
03.9966.EQ

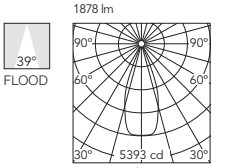


Beam Angle: 39°

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

Luminous flux luminaire 1878 lm

4000K
03.9922.40
03.9922.14
03.9922.ER
03.9922.ES
03.9922.EQ



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

Luminous flux luminaire 1974 lm

@White (40) 600mA

NEW

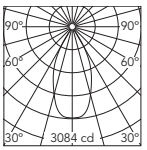
Optic Wide Flood

2700K

03.9963.40
03.9963.14
03.9963.ER
03.9963.ES
03.9963.EQ



WIDE FLOOD



Luminous flux luminaire
1872 lm

Beam Angle: 48°

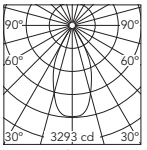
h(m)	E(lx)	D(m)
1	3084	0.89
2	771	1.79
3	343	2.68
4	193	3.58
5	123	4.47

3000K

03.9967.40
03.9967.14
03.9967.ER
03.9967.ES
03.9967.EQ



WIDE FLOOD



Luminous flux luminaire
1999 lm

Beam Angle: 48°

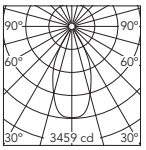
h(m)	E(lx)	D(m)
1	3293	0.89
2	823	1.79
3	366	2.68
4	206	3.58
5	132	4.47

4000K

03.9923.40
03.9923.14
03.9923.ER
03.9923.ES
03.9923.EQ



WIDE FLOOD



Luminous flux luminaire
2100 lm

@White (40) 600mA

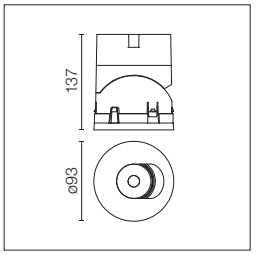
Beam Angle: 48°

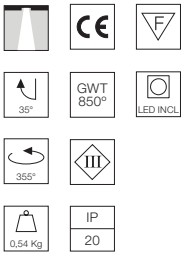
h(m)	E(lx)	D(m)
1	3459	0.89
2	865	1.79
3	384	2.68
4	216	3.58
5	138	4.47

Light Shadow PRO Ø90 Adjustable

Light Source: Super Spot: LED Array DC 800 mA 10W - 800 lm - 2700K/CRI 90 / 10W - 845 lm - 3000K/CRI 90 / 10W - 915 lm - 4000K/CRI 90
S/M/F: LED Array DC 500 mA 18W - 1590 lm - 2700K/CRI 90 / 18W - 1710 lm - 3000K/CRI 90 / 18W - 1815 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos) con focos intercambiables. Driver remoto no incluido.

Recommended power supply / Equipos recomendados*:

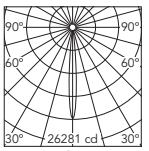
	500mA 18W	800mA 10W
Non Dimmable 220-240V	60.9162	60.9162
Mains Dimming	60.9467	60.9467
Dim 1-10V 220-240V	60.9439	60.9439
Dim 1-10V/Push 110-240V	60.9188	60.9188
Dim Dali 2 220-240V	60.9186	60.9186
Dim Dali 2 110-240V	60.9222	
Dim Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Super Spot

2700K
- 03.9980.40
- 03.9980.14
- 03.9980.ER
- 03.9980.ES
- 03.9980.EQ

9° SUPER SPOT

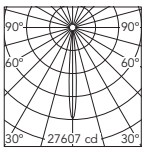


Luminous flux luminaire 770 lm

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
- 03.9985.40
- 03.9985.14
- 03.9985.ER
- 03.9985.ES
- 03.9985.EQ

9° SUPER SPOT

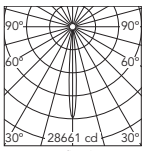


Luminous flux luminaire 808 lm

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
- 03.9940.40
- 03.9940.14
- 03.9940.ER
- 03.9940.ES
- 03.9940.EQ

9° SUPER SPOT



Luminous flux luminaire 839 lm

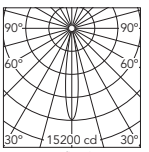
Beam Angle:	9°
h(m)	E(lx) D(m)
1	28661 0.16
2	7165 0.31
3	3185 0.47
4	1791 0.62
5	1146 0.78

@White (40)

Optic Spot

2700K
- 03.9981.40
- 03.9981.14
- 03.9981.ER
- 03.9981.ES
- 03.9981.EQ

16° SPOT

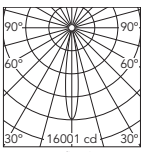


Luminous flux luminaire 1327 lm

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
- 03.9986.40
- 03.9986.14
- 03.9986.ER
- 03.9986.ES
- 03.9986.EQ

16° SPOT

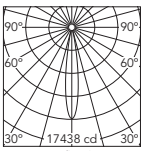


Luminous flux luminaire 1397 lm

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
- 03.9941.40
- 03.9941.14
- 03.9941.ER
- 03.9941.ES
- 03.9941.EQ

16° SPOT



Luminous flux luminaire 1522 lm

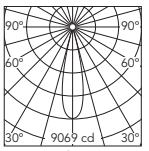
Beam Angle:	16°
h(m)	E(lx) D(m)
1	17438 0.27
2	4359 0.54
3	1938 0.82
4	1090 1.09
5	698 1.36

@White (40)

Optic Medium

2700K
- 03.9982.40
- 03.9982.14
- 03.9982.ER
- 03.9982.ES
- 03.9982.EQ

24° MEDIUM

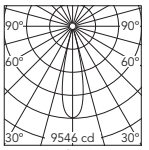


Luminous flux luminaire 1334 lm

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
- 03.9987.40
- 03.9987.14
- 03.9987.ER
- 03.9987.ES
- 03.9987.EQ

24° MEDIUM

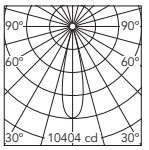


Luminous flux luminaire 1404 lm

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
- 03.9942.40
- 03.9942.14
- 03.9942.ER
- 03.9942.ES
- 03.9942.EQ

24° MEDIUM



Luminous flux luminaire 1530 lm

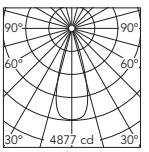
Beam Angle:	24°
h(m)	E(lx) D(m)
1	10404 0.42
2	2601 0.83
3	1156 1.25
4	650 1.67
5	416 2.09

@White (40)

Optic Flood

2700K
- 03.9983.40
- 03.9983.14
- 03.9983.ER
- 03.9983.ES
- 03.9983.EQ

33° FLOOD

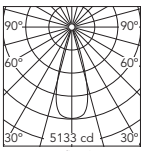


Luminous flux luminaire 1404 lm

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
- 03.9988.40
- 03.9988.14
- 03.9988.ER
- 03.9988.ES
- 03.9988.EQ

33° FLOOD

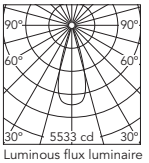


Luminous flux luminaire 1478 lm

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
- 03.9943.40
- 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

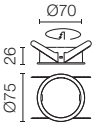
@White (40)

Accessories / Accesorios

Frame Trim Ø60.

Marco de Instalación Trim Ø60.





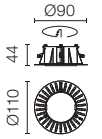
Fixed
08.0160.40
08.0160.14

Adjustable
08.0164.40
08.0164.14

Frame No Trim Ø60.

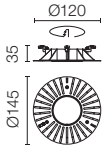
Marco de Instalación No Trim Ø60.





Fixed
08.0192.00



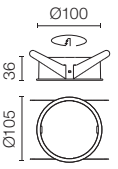


Adjustable
08.0166.00

Frame Trim Ø90.

Marco de Instalación Trim Ø90.





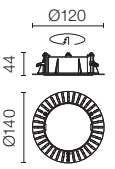
Fixed
08.0161.40
08.0161.14

Adjustable
08.0165.40
08.0165.14

Frame No Trim Ø90.

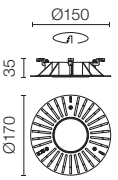
Marco de Instalación No Trim Ø90.





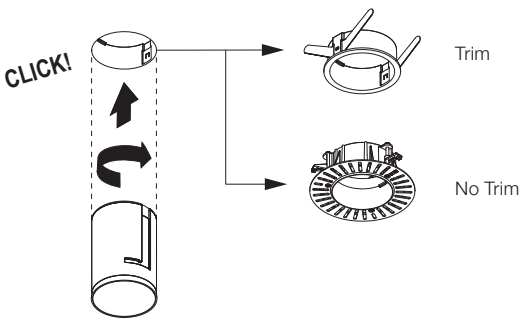
Fixed
08.0193.00





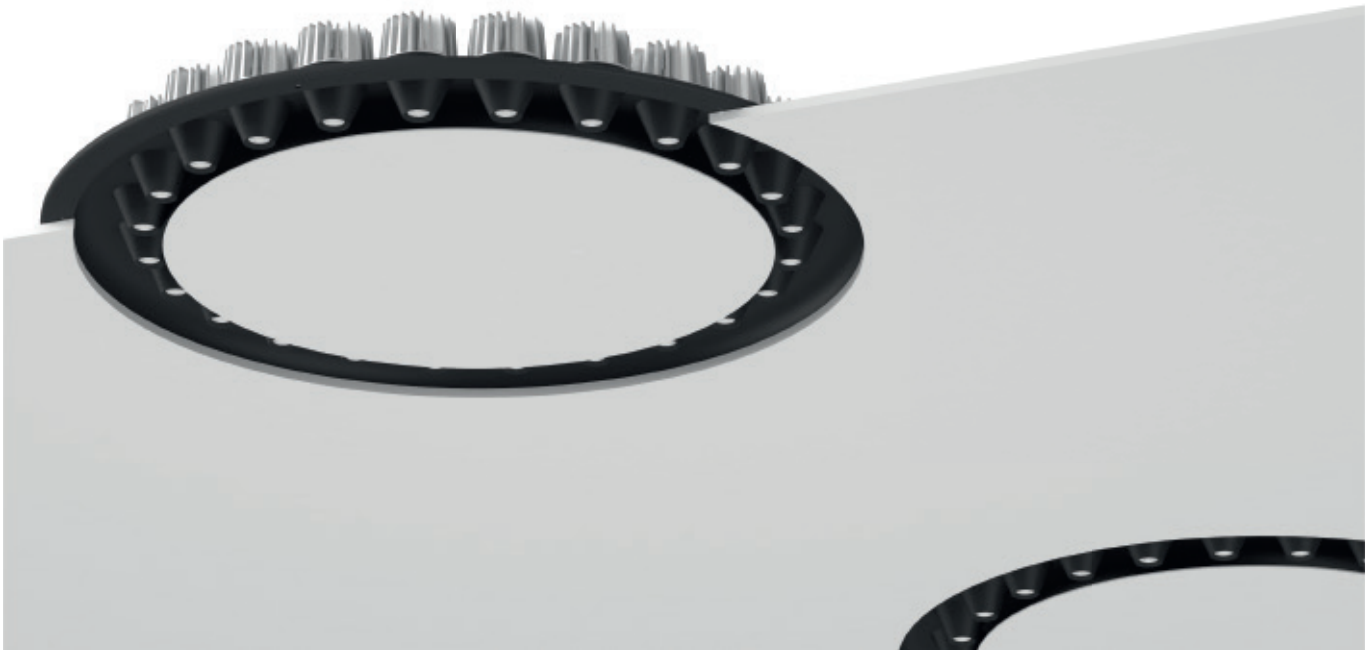
Adjustable
08.0167.00

HOW TO ORDER LIGHT SHADOW PRO



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 Black
14 Negro



reddot design award
winner 2013

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 connection of the power supply to the converter DC-DC is easy by using distribution boxes and a correct connection can be granted without any special tool. The distribution boxes are included.
For further access to the power supply and to the connected converters DC-DC during maintenance the Circle of Light has a front cover that can be easily removed and reinstalled.
IP20 protection grade.
Insulation class II.

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

Descripción
Luminaria empotrada de interiores con una fácil instalación en techos de cartón yeso, formada por una estructura circular sobre la cual viene posicionado un módulo de iluminación LED, reproducido a lo largo de su perímetro.
El producto se suministra pre-instalado sobre un perfil tipo “Soft Architecture” para garantizar su fácil montaje y perfecta integración en el techo.
Mediante un sistema de fijación magnética las labores de instalación de los módulos de luz, así como futuras operaciones de mantenimiento, se pueden realizar sin la necesidad de herramientas específicas.
Circle of Light está disponible en tres diámetros: 300, 600 y 900 mm formados por 12, 24 ó 36 proyectores respectivamente.

Reflectores
La luminaria se encuentra disponible en versiones de luz de acento con ópticas intensivas (accent lighting) o luz ambiental con ópticas extensivas (general lighting), dotando al sistema de cierta flexibilidad para adecuarse a los requerimientos de iluminación.

Unidades de Alimentación
Fuente de alimentación remota a 1050 mA incluida.
Driver 1-10V (1V funciona al 10%) para sistemas de dimado pasivos (sink systems). También compatible con sistemas de dimado activos 0,6-10V (source system).
La versión 1-10V también puede ser controlada vía pulsador simple sin luz de cortesía. Disponibles cables de sincronización entre drivers (consultar departamento técnico para más detalles sobre su instalación).

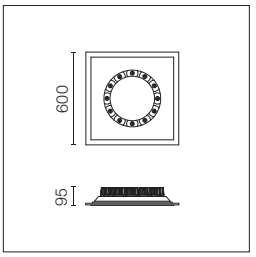
Información Adicional
La luminaria se suministra con una fuente de alimentación remota a 24V incluida. Su conexión al convertidor de corriente DC-DC se realiza mediante un cableado equipado con conexiones rápidas, de tal forma que su instalación correcta queda garantizada y no se requiere de herramientas específicas.
El posterior acceso a la fuente de alimentación como al convertidor de corriente DC-DC y su cableado de interconexión queda garantizado gracias a la posibilidad de retirar la parte central de la luminaria de tal modo que las labores de mantenimiento se puedan realizar de forma cómoda y sencilla.
Índice de protección IP20.
Clase de aislamiento II.

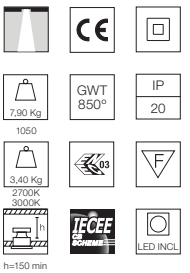
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Circle Of Light 300 mm

Light Source: Power LED 12x3W - 12x325 lm - 2700K/CRI 90 / 12x3W - 12x370 lm - 3000K/CRI 90







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.

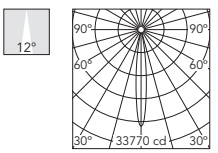
Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 12 focos tipo LED. Caja de 12 focos, junto con su correspondiente sistema eléctrico no incluido, se sirve por separado. La versión 1-10V es regulable desde 10% al 100%.

Luz de acento y luz general: se debe pedir 1 unidad.

Para versiones Casambi consultar con el Front Office.

Ø300
Soft Plate
SA.1050.1

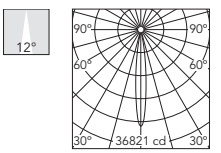
2700K
Set of 12 spots
Accent Lighting
08.8662.14C
08.8662.14C1V
08.8662.14CDA



Luminous flux luminaire
1890 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	33770	0.22
2	8442	0.43
3	3752	0.65
4	2111	0.87
5	1351	1.08

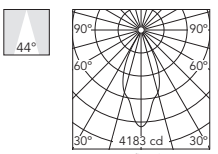
3000K
Set of 12 spots
Accent Lighting
08.8572.14C
08.8572.14C1V
08.8572.14CDA



Luminous flux luminaire
2061 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	36821	0.22
2	9205	0.43
3	4091	0.65
4	2301	0.87
5	1473	1.08

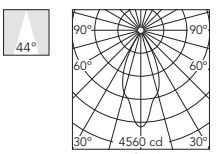
2700K
Set of 12 spots
General Lighting
08.8663.14C
08.8663.14C1V
08.8663.14CDA



Luminous flux luminaire
2011 lm

Beam Angle:	44°
h(m)	E(lx)	D(m)
1	4183	0.81
2	1046	1.61
3	465	2.42
4	261	3.23
5	167	4.03

3000K
Set of 12 spots
General Lighting
08.8573.14C
08.8573.14C1V
08.8573.14CDA



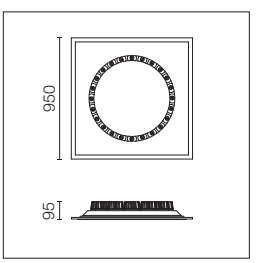
Luminous flux luminaire
2193 lm

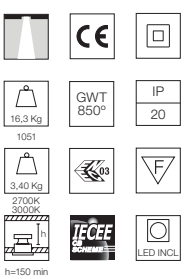
Beam Angle:	44°
h(m)	E(lx)	D(m)
1	4560	0.81
2	1140	1.61
3	507	2.42
4	285	3.23
5	182	4.03

Circle Of Light 600 mm

Light Source: Power LED 24x3W - 24x325 lm - 2700K/CRI 90 / 24x3W - 24x370 lm - 3000K/CRI 90







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.

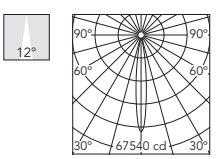
Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 24 focos tipo LED. Cajas de 12 focos, junto con sus correspondientes sistemas eléctricos no incluidos, se sirven por separado. La versión 1-10V es regulable desde 10% al 100%.

Luz de acento y luz general: se deben pedir 2 unidades.

Para versiones Casambi consultar con el Front Office.

Ø600
Soft Plate
SA.1051.1

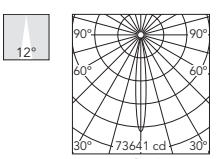
2700K
Set of 12 spots
Accent Lighting
08.8662.14C
08.8662.14C1V
08.8662.14CDA



Luminous flux luminaire
3781 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	67540	0.22
2	16885	0.43
3	7504	0.65
4	4221	0.87
5	2702	1.08

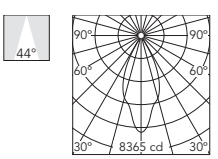
3000K
Set of 12 spots
Accent Lighting
08.8572.14C
08.8572.14C1V
08.8572.14CDA



Luminous flux luminaire
4122 lm

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	73641	0.22
2	18410	0.43
3	8182	0.65
4	4603	0.87
5	2946	1.08

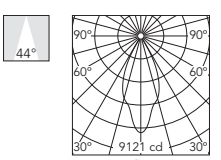
2700K
Set of 12 spots
General Lighting
08.8663.14C
08.8663.14C1V
08.8663.14CDA



Luminous flux luminaire
4023 lm

Beam Angle:	44°
h(m)	E(lx)	D(m)
1	8365	0.81
2	2091	1.61
3	929	2.42
4	523	3.23
5	335	4.03

3000K
Set of 12 spots
General Lighting
08.8573.14C
08.8573.14C1V
08.8573.14CDA



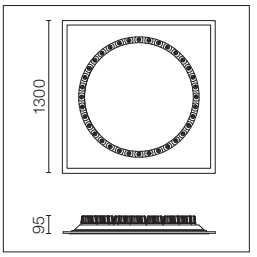
Luminous flux luminaire
4386 lm

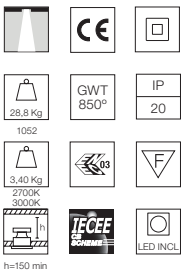
Beam Angle:	44°
h(m)	E(lx)	D(m)
1	9121	0.81
2	2280	1.61
3	1013	2.42
4	570	3.23
5	365	4.03

Circle Of Light 900 mm

Light Source: Power LED 36x3W - 36x325 lm - 2700K/CRI 90 / 36x3W - 36x370 lm - 3000K/CRI 90







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%.

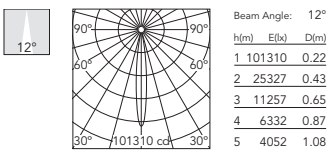
Accent lighting and general lighting: 3 units must be ordered.

Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 36 focos tipo LED. Cajas de 12 focos, junto con sus correspondientes sistemas eléctricos no incluidos, se sirven por separado. La versión 1-10V es regulable desde 10% al 100%.

Luz de acento y luz general: se deben pedir 3 unidades.

Ø900
Soft Plate
SA.1052.1

2700K
Set of 12 spots
Accent Lighting
08.8662.14C
08.8662.14C1V
08.8662.14CDA

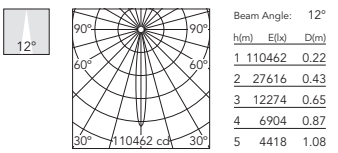


Luminous flux luminaire
5671 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	101310	0.22
2	25327	0.43
3	11257	0.65
4	6332	0.87
5	4052	1.08

3000K
Set of 12 spots
Accent Lighting
08.8572.14C
08.8572.14C1V
08.8572.14CDA

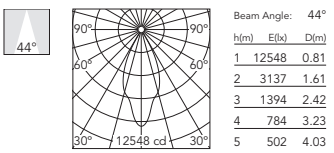


Luminous flux luminaire
6183 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	110462	0.22
2	27616	0.43
3	12274	0.65
4	6904	0.87
5	4418	1.08

2700K
Set of 12 spots
General Lighting
08.8663.14C
08.8663.14C1V
08.8663.14CDA

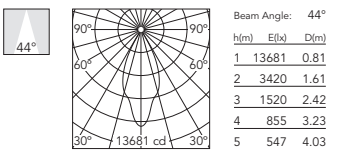


Luminous flux luminaire
6034 lm

Beam Angle: 44°

h(m)	E(lx)	D(m)
1	12548	0.81
2	3137	1.61
3	1394	2.42
4	784	3.23
5	502	4.03

3000K
Set of 12 spots
General Lighting
08.8573.14C
08.8573.14C1V
08.8573.14CDA



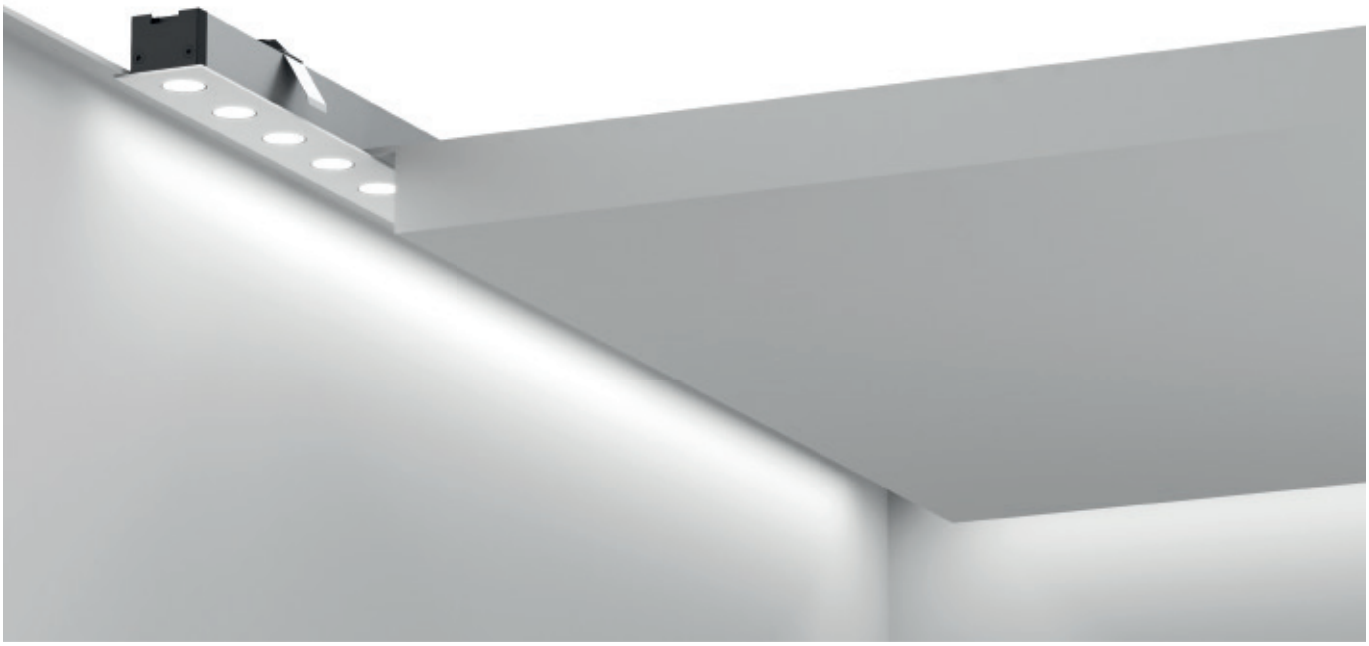
Luminous flux luminaire
6579 lm

Beam Angle: 44°

h(m)	E(lx)	D(m)
1	13681	0.81
2	3420	1.61
3	1520	2.42
4	855	3.23
5	547	4.03

LED CURTAIN

DESIGNED BY FLOS ARCHITECTURAL





LIGHT SOURCE
POWER LED
29W/m
24V
3500 lm/m
3000K/CRI 90
4000K/CRI 90

☐ 30 White
30 Blanco



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.

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

Descripción
Luminaria empotrada con fuente de luz LED. Realizada mediante dos perfiles de aluminio extruido que se emplean como disipador de calor para los LEDs de potencia.
Dispone de lentes elípticas para una perfecta distribución luminosa.
Disponible en módulos de diferentes longitudes interconectables entre sí mediante un cable de unión con conexión rápido tipo Tyco.

Unidades de Alimentación
Fuentes de alimentación de 24V disponibles desde 20W hasta 100W de potencia. (máximo 3 metros de longitud).
Sistema de control con dimmer 1-10V o Dali disponibles.

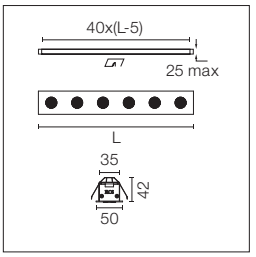
Información Adicional
Módulos de LED de diferentes longitudes conectables entre sí mediante el accesorio cable de unión. Dispone de conectores rápidos tipo Tyco, por lo que la alimentación se debe de realizar con el cable previsto para ello disponible en los accesorios.
Máxima longitud desde un punto de alimentación 3 metros.
Índice de protección IP20.
Clase de aislamiento III.

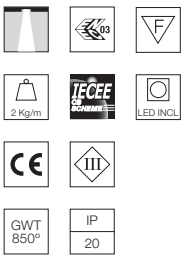
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

LED Curtain

Light Source: Power LED 29W/m - 24V - 3500 lm/m - 3000K/CRI 90 / 29W/m - 24V - 3500 lm/m - 4000K/CRI 90





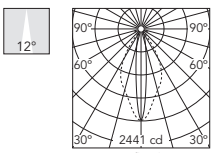


Recessed luminaire for direct lighting with LED. Elliptical lens 12°x52° incorporated. Remote transformer not included.

Luminaria empotrada de iluminación directa con LED. Incorpora lente elíptica 12°x52°. Transformador remoto no incluido.

3000K

L: 600 mm
17,3W - 2000 lm - 12 LEDs
☐ 03.3902.30C

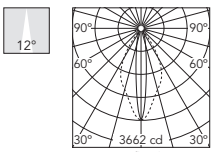


Luminous flux luminaire
906 lm

12° - C180 0
52° - C270 90

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	2441	0.23
2	610	0.46
3	271	0.69
4	153	0.92
5	98	1.15

L: 900 mm
26W - 3000 lm - 18 LEDs
☐ 03.3903.30C

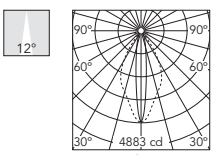


Luminous flux luminaire
1360 lm

12° - C180 0
52° - C270 90

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3662	0.23
2	916	0.46
3	407	0.69
4	229	0.92
5	146	1.15

L: 1200 mm
34,7W - 4000 lm - 24 LEDs
☐ 03.3904.30C



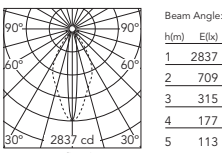
Luminous flux luminaire
1813 lm

12° - C180 0
52° - C270 90

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	4883	0.23
2	1221	0.46
3	543	0.69
4	305	0.92
5	195	1.15

4000K

L: 600 mm
17,3W - 2100 lm - 12 LEDs
☐ 03.3922.30C

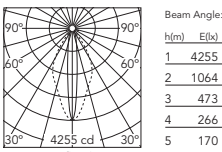


Luminous flux luminaire
1007 lm

12° - C180 0
53° - C270 90

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	2837	0.21
2	709	0.42
3	315	0.63
4	177	0.84
5	113	1.06

L: 900 mm
26W - 3150 lm - 18 LEDs
☐ 03.3923.30C

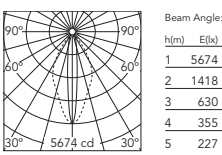


Luminous flux luminaire
1510 lm

12° - C180 0
53° - C270 90

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	4255	0.21
2	1064	0.42
3	473	0.63
4	266	0.84
5	170	1.06

L: 1200 mm
34,7W - 4200 lm - 24 LEDs
☐ 03.3924.30C



Luminous flux luminaire
2014 lm

12° - C180 0
53° - C270 90

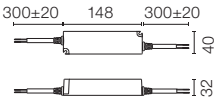
Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	5674	0.21
2	1418	0.42
3	630	0.63
4	355	0.84
5	227	1.06

Drivers / Equipos

Electronic transformer with constant voltage (24V) for LED. 100/240V.

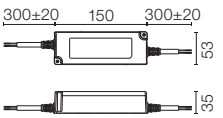
Transformador electrónico de tensión constante (24V) para LED. 100/240V.





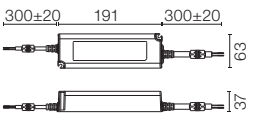
25W
60.8703





60W
60.9089



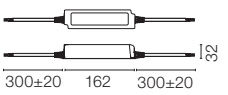


120W
60.9407

Electronic transformer with constant voltage (24V) for LED. 60W. 100/240V.
For independent use.

Transformador electrónico de tensión constante (24V) para LED. 60W. 100/240V. Para uso independiente.



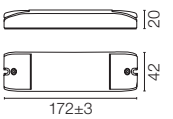


60.8515

Dimmable 1-10V control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable 1-10V con 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.

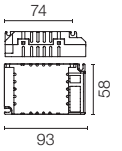




60.8640

Dimmable DALI control unit with 3 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable DALI con 3 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



60.8407

Connection cable between modules with Tyco fast connection cable.

Cable de unión entre módulos con conexión rápida tipo Tyco.



L: 100 mm
06.1032.00
L: 500 mm
06.1033.00

Power cable with Tyco fast connection cable. Maximum supply length 3 metres.

Cable de alimentación con conexión rápida tipo Tyco. Máxima longitud a alimentar 3 metros.



L: 500 mm
06.1034.00

DOWNLIGHTS

Kap, Bon Jour, Light Shooter,
Light Sniper, UT Downlight, Light Supply,
Pure Downlight, Compass, Anthony Downlight,
Wan Downlight, Johnny, Compass Box Recessed,
Battery, Micro Battery.

KAP Ø50 FIXED



KAP Ø50 ADJUSTABLE



LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

KAP 80/ KAP 80 PLUS FIXED



LIGHT SOURCE
LED ARRAY
max 13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90



LIGHT SOURCE
LED ARRAY
13W
1800K-2850K
CRI 95
Dim To Warm*
*Only for KAP 80

KAP 80/ KAP 80 PLUS WALL-WASHER



LIGHT SOURCE
LED
QR-CBC 51
GX5.3



LIGHT SOURCE
LED
PAR 16
GZ10

KAP 80/ KAP 80 PLUS ADJUSTABLE



LIGHT SOURCE
LED ARRAY
max 13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90



LIGHT SOURCE
LED ARRAY
13W
1800K-2850K
CRI 95
Dim To Warm*
*Only for KAP 80

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

KAP Ø105 WALL-WASHER



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LED
PAR 16
GZ10

KAP Ø105 ADJUSTABLE



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

KAP Ø105 DEEP



LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

KAP 105 SQUARE FIXED



LIGHT SOURCE
PHOSPHOR
LED
17W
1400 lm
2700K/CRI 98
3000K/CRI 98

LIGHT SOURCE
LED ARRAY
17W
1800 lm
2700K/CRI 90
2000 lm
3000K/CRI 90

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LED
PAR 16
GZ10

KAP Ø145 FIXED



LIGHT SOURCE
PHOSPHOR
LED
17W
1400 lm
2700K/CRI 98
3000K/CRI 98

KAP Ø145 WALL-WASHER



KAP Ø145 DEEP



LIGHT SOURCE
LED ARRAY
17W
1800 lm
2700K/CRI 90
2000 lm
3000K/CRI 90

EASY KAP Ø50 FIXED



EASY KAP Ø50 ADJUSTABLE



LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

EASY KAP 80/ EASY KAP 80 PLUS FIXED



LIGHT SOURCE
LED ARRAY
max 13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

EASY KAP 80/ EASY KAP 80 PLUS WALL-WASHER



LIGHT SOURCE
LED ARRAY
13W
1800K-2850K
CRI 95
Dim To Warm*
*Only for KAP 80

EASY KAP 80/ EASY KAP 80 PLUS ADJUSTABLE



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

EASY KAP Ø105 FIXED



LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

EASY KAP Ø105 WALL-WASHER



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

EASY KAP Ø105 ADJUSTABLE



LIGHT SOURCE
LED
PAR 16
GZ10

B1 White
B1 Blanco



GL Matt Gold
GL Oro Mate



BU Blue
BU Azul



74 Black
74 Negro



CU Copper
CU Cobre



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, dust and/or metallic copper finish with a glass or plastic diffuser depending on the version. It does not need a pre-installation frame.
The Kap version has an aluminium-injected body with a liquid paint and metallic copper finish. Available in three diameters: 50 mm, 80 mm, 105 mm and 145 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 50/80/105 LED and Kap 50 and 80: Remote equipment not included.
Kap 105/145 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.

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 protection grade depending on the versions.
Insulation class I, II, III depending on the versions.
- KAP 50 / 80 / 105 / 145:
Thanks to remote-phosphor technology, the LED modules of the Phosphor LED version offer maximum quality light, the perception of objects and spaces, reaching chromatic reproduction indices of 98, depending on the version.
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.

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

Descripción
Luminaria para ser instalada empotrada en techos para lámparas LED.
La versión Easy Kap dispone de cuerpo inyectado en aluminio para la versiones de 50, 80 y 105mm, con acabado en pintura líquida, polvo y/o cobre metalizado con cristal difusor opal incluido. No necesita pre-marco de instalación.
La versión Kap dispone de cuerpo inyectado en aluminio con acabado en pintura líquida y cobre metalizado. Está disponible en tres diámetros: 50mm, 80 mm, 105 mm y 145 mm.
Óptica principal realizada en aluminio anodizado brillo con elemento difusor realizado en cristal o plástico dependiendo de versiones.
Portalámparas con elemento disipador en aluminio inyectado y aro de empotramiento del cuerpo óptico en material termoplástico.

Unidades de Alimentación
Easy Kap 50/80/105 LED y Kap 50 y 80: equipo remoto no incluido.
Kap 105/145 LED/Kap 80 e Easy Kap 80 Dim To Warm: equipo remoto 1-10V incluido. El voltaje de salida del equipo debe ser siempre inferior a 60Vdc.

Accesorios
Pre-marco de instalación para las versiones Kap 50 y 80 redondo y cuadrado y 105 redondo.
Disponibles can para instalación en cemento.

Información Adicional
Índice de protección IP20, IP23, IP43, IP44, IP54, según las versiones.
Clase de aislamiento I, II, III, según las versiones.
- KAP 50 / 80 / 105 / 145:
Gracias a la remote-phosphor technology, los módulos LED que montan las versiones Phosphor LED ofrecen la máxima calidad de luz posible, percepción de los objetos y espacios, alcanzando índices de reproducción cromática de 98, dependiendo de las versiones.
Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo una aumento del 20% del flujo luminoso.
La nueva tecnología “Dim To Warm” reproduce el efecto de las viejas lámparas halógenas al ser reguladas, ofreciendo más calidez al reducir la intensidad lumínica.
Las luminarias “Dim To Warm” se regulan mediante el protocolo 1-10V.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

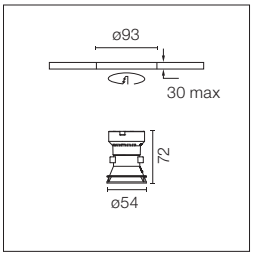
Easy Kap

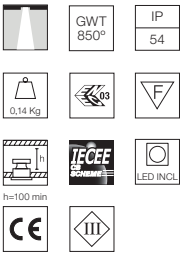
Kap

Kap Ø50 Fixed - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







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.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

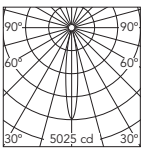
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali 2	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7300.B1

15° SPOT



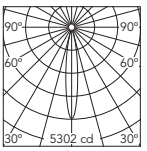
Luminous flux luminaire 543 lm (EXTREME CUT OFF)

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

■ 05.7300.GL

15° SPOT



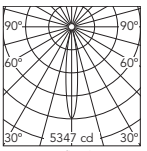
Luminous flux luminaire 554 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5302	0.26
2	1325	0.53
3	589	0.79
4	331	1.06
5	212	1.32

■ 05.7300.BU

15° SPOT



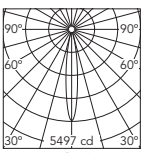
Luminous flux luminaire 526 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5347	0.26
2	1337	0.52
3	594	0.78
4	334	1.04
5	214	1.30

■ 05.7300.74

15° SPOT



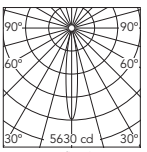
Luminous flux luminaire 528 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5497	0.26
2	1374	0.52
3	611	0.77
4	344	1.03
5	220	1.29

■ 05.7300.CU

15° SPOT



Luminous flux luminaire 547 lm (EXTREME CUT OFF)

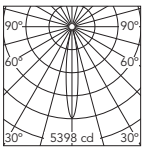
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5630	0.26
2	1408	0.51
3	626	0.77
4	352	1.03
5	225	1.29

3000K

☐ 05.7305.B1

15° SPOT



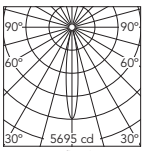
Luminous flux luminaire 583 lm (EXTREME CUT OFF)

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

■ 05.7305.GL

15° SPOT



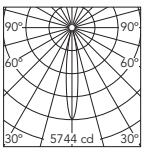
Luminous flux luminaire 595 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5695	0.26
2	1424	0.53
3	633	0.79
4	356	1.06
5	228	1.32

■ 05.7305.BU

15° SPOT



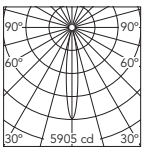
Luminous flux luminaire 565 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5744	0.26
2	1436	0.52
3	638	0.78
4	359	1.04
5	230	1.30

■ 05.7305.74

15° SPOT



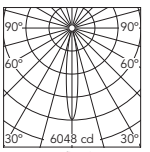
Luminous flux luminaire 567 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5905	0.26
2	1476	0.52
3	656	0.77
4	369	1.03
5	236	1.29

■ 05.7305.CU

15° SPOT



Luminous flux luminaire 587 lm (EXTREME CUT OFF)

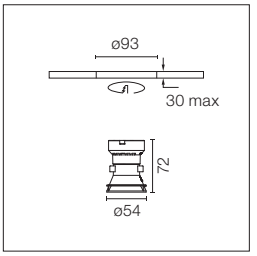
Beam Angle: 15°

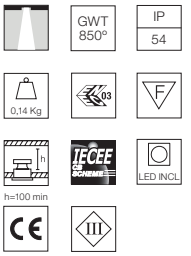
h(m)	E(lx)	D(m)
1	6048	0.26
2	1512	0.51
3	672	0.77
4	378	1.03
5	242	1.29

Kap Ø50 Fixed - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







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.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

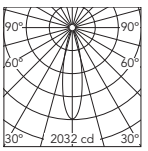
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali 2	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7301.B1

24° MEDIUM



Luminous flux luminaire
488 lm (EXTREME CUT OFF)

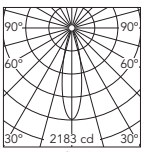
Beam Angle: 24°

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

3000K

☐ 05.7306.B1

24° MEDIUM



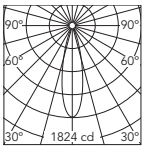
Luminous flux luminaire
524 lm (EXTREME CUT OFF)

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

■ 05.7301.GL

26° MEDIUM



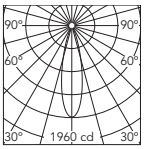
Luminous flux luminaire
452 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1824	0.45
2	456	0.91
3	203	1.36
4	114	1.82
5	73	2.27

■ 05.7306.GL

26° MEDIUM



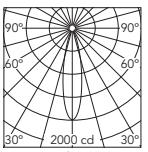
Luminous flux luminaire
485 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1960	0.45
2	490	0.91
3	218	1.36
4	122	1.82
5	78	2.27

■ 05.7301.BU

24° MEDIUM



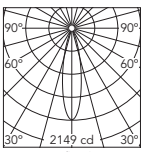
Luminous flux luminaire
442 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2000	0.42
2	500	0.84
3	222	1.26
4	125	1.67
5	80	2.09

■ 05.7306.BU

24° MEDIUM



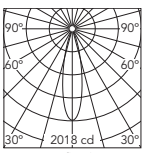
Luminous flux luminaire
475 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2149	0.42
2	537	0.84
3	239	1.26
4	134	1.67
5	86	2.09

■ 05.7301.74

24° MEDIUM



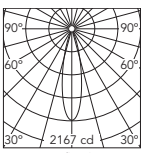
Luminous flux luminaire
443 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2018	0.43
2	504	0.85
3	224	1.28
4	126	1.71
5	81	2.13

■ 05.7306.74

24° MEDIUM



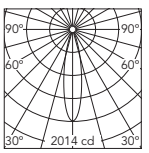
Luminous flux luminaire
476 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2167	0.43
2	542	0.85
3	241	1.28
4	135	1.71
5	87	2.13

■ 05.7301.CU

22° MEDIUM



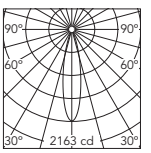
Luminous flux luminaire
417 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2014	0.40
2	503	0.79
3	224	1.19
4	126	1.59
5	81	1.99

■ 05.7306.CU

22° MEDIUM



Luminous flux luminaire
449 lm (EXTREME CUT OFF)

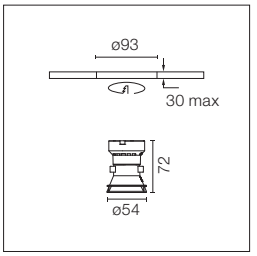
Beam Angle: 22°

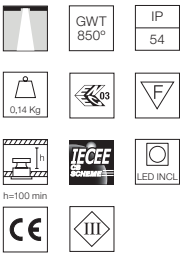
h(m)	E(lx)	D(m)
1	2163	0.40
2	541	0.79
3	240	1.19
4	135	1.59
5	87	1.99

Kap Ø50 Fixed - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







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.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

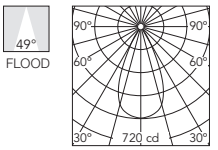
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

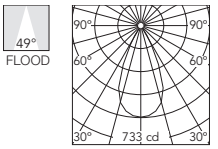
05.7302.B1



Luminous flux luminaire 496 lm (EXTREME CUT OFF)

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

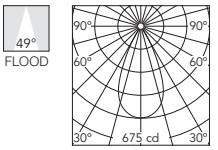
05.7302.GL



Luminous flux luminaire 476 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

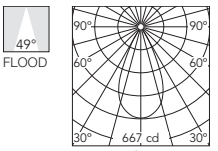
05.7302.BU



Luminous flux luminaire 431 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

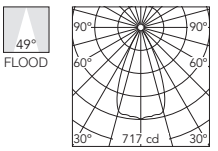
05.7302.74



Luminous flux luminaire 416 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

05.7302.CU

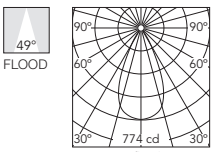


Luminous flux luminaire 472 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

3000K

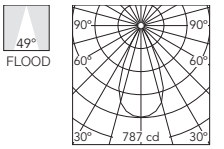
05.7307.B1



Luminous flux luminaire 532 lm (EXTREME CUT OFF)

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

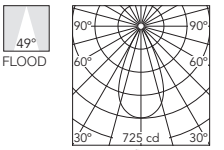
05.7307.GL



Luminous flux luminaire 511 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

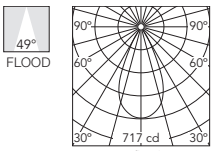
05.7307.BU



Luminous flux luminaire 463 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

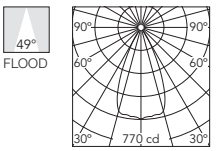
05.7307.74



Luminous flux luminaire 447 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

05.7307.CU



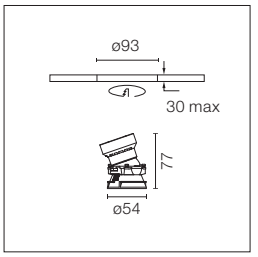
Luminous flux luminaire 507 lm (EXTREME CUT OFF)

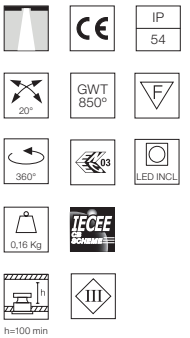
Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Kap Ø50 Adjustable - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







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.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

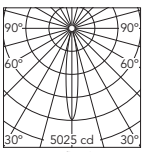
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7310.B1

15° SPOT



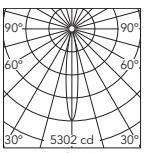
Luminous flux luminaire 543 lm (EXTREME CUT OFF)

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

05.7310.GL

15° SPOT



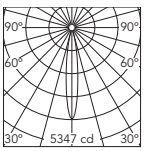
Luminous flux luminaire 554 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5302	0.26
2	1325	0.53
3	589	0.79
4	331	1.06
5	212	1.32

05.7310.BU

15° SPOT



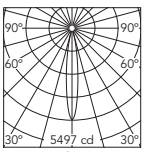
Luminous flux luminaire 526 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5347	0.26
2	1337	0.52
3	594	0.78
4	334	1.04
5	214	1.30

05.7310.74

15° SPOT



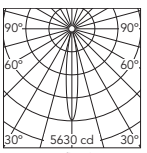
Luminous flux luminaire 528 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5497	0.26
2	1374	0.52
3	611	0.77
4	344	1.03
5	220	1.29

05.7310.CU

15° SPOT



Luminous flux luminaire 547 lm (EXTREME CUT OFF)

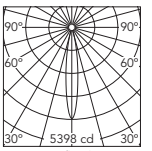
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5630	0.26
2	1408	0.51
3	626	0.77
4	352	1.03
5	225	1.29

3000K

05.7315.B1

15° SPOT



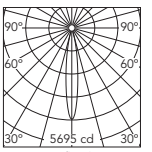
Luminous flux luminaire 583 lm (EXTREME CUT OFF)

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

05.7315.GL

15° SPOT



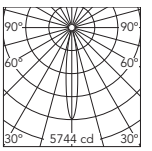
Luminous flux luminaire 595 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5695	0.26
2	1424	0.53
3	633	0.79
4	356	1.06
5	228	1.32

05.7315.BU

15° SPOT



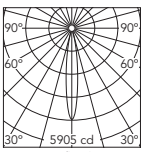
Luminous flux luminaire 565 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5744	0.26
2	1436	0.52
3	638	0.78
4	359	1.04
5	230	1.30

05.7315.74

15° SPOT



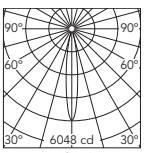
Luminous flux luminaire 567 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5905	0.26
2	1476	0.52
3	656	0.77
4	369	1.03
5	236	1.29

05.7315.CU

15° SPOT



Luminous flux luminaire 587 lm (EXTREME CUT OFF)

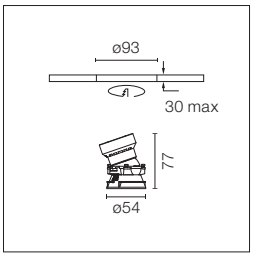
Beam Angle: 15°

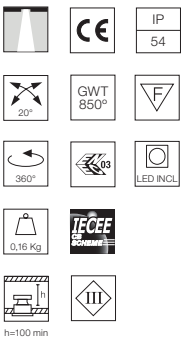
h(m)	E(lx)	D(m)
1	6048	0.26
2	1512	0.51
3	672	0.77
4	378	1.03
5	242	1.29

Kap Ø50 Adjustable - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







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.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

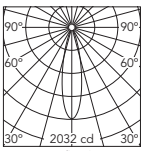
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7311.B1

24° MEDIUM



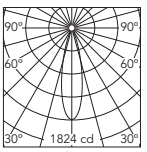
Luminous flux luminaire 488 lm (EXTREME CUT OFF)

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

05.7311.GL

26° MEDIUM



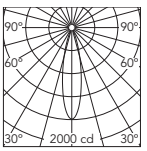
Luminous flux luminaire 452 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1824	0.45
2	456	0.91
3	203	1.36
4	114	1.82
5	73	2.27

05.7311.BU

24° MEDIUM



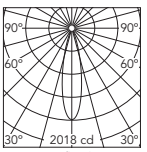
Luminous flux luminaire 442 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2000	0.42
2	500	0.84
3	222	1.26
4	125	1.67
5	80	2.09

05.7311.74

24° MEDIUM



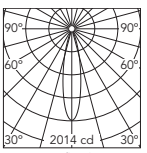
Luminous flux luminaire 443 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2018	0.43
2	504	0.85
3	224	1.28
4	126	1.71
5	81	2.13

05.7311.CU

22° MEDIUM



Luminous flux luminaire 417 lm (EXTREME CUT OFF)

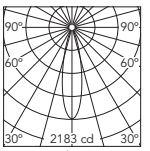
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2014	0.40
2	503	0.79
3	224	1.19
4	126	1.59
5	81	1.99

3000K

05.7316.B1

24° MEDIUM



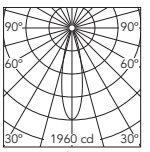
Luminous flux luminaire 524 lm (EXTREME CUT OFF)

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

05.7316.GL

26° MEDIUM



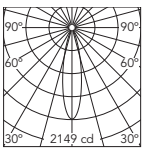
Luminous flux luminaire 485 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1960	0.45
2	490	0.91
3	218	1.36
4	122	1.82
5	78	2.27

05.7316.BU

24° MEDIUM



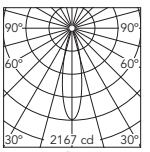
Luminous flux luminaire 475 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2149	0.42
2	537	0.84
3	239	1.26
4	134	1.67
5	86	2.09

05.7316.74

24° MEDIUM



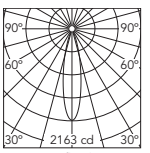
Luminous flux luminaire 476 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2167	0.43
2	542	0.85
3	241	1.28
4	135	1.71
5	87	2.13

05.7316.CU

22° MEDIUM



Luminous flux luminaire 449 lm (EXTREME CUT OFF)

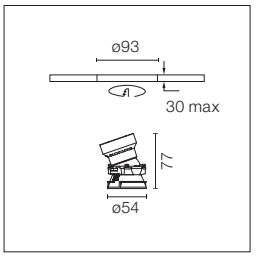
Beam Angle: 22°

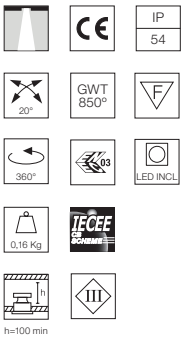
h(m)	E(lx)	D(m)
1	2163	0.40
2	541	0.79
3	240	1.19
4	135	1.59
5	87	1.99

Kap Ø50 Adjustable - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







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.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

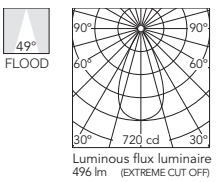
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7312.B1

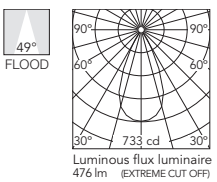


Luminous flux luminaire
496 lm (EXTREME CUT OFF)

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

■ 05.7312.GL

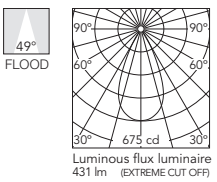


Luminous flux luminaire
476 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

■ 05.7312.BU

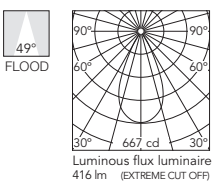


Luminous flux luminaire
431 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

■ 05.7312.74

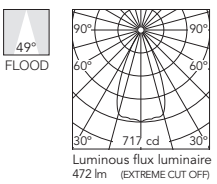


Luminous flux luminaire
416 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

■ 05.7312.CU



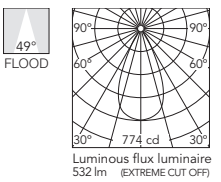
Luminous flux luminaire
472 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

3000K

☐ 05.7317.B1

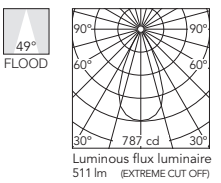


Luminous flux luminaire
532 lm (EXTREME CUT OFF)

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

■ 05.7317.GL

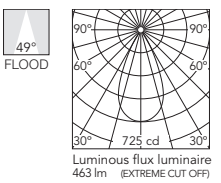


Luminous flux luminaire
511 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

■ 05.7317.BU

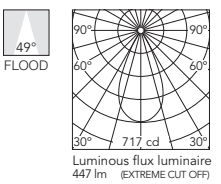


Luminous flux luminaire
463 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

■ 05.7317.74

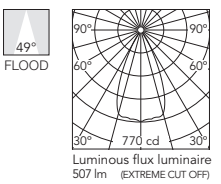


Luminous flux luminaire
447 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

■ 05.7317.CU



Luminous flux luminaire
507 lm (EXTREME CUT OFF)

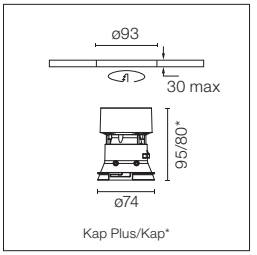
Beam Angle: 49°

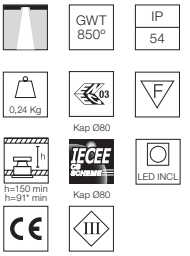
h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Kap Ø80/Kap Ø80 Plus - Fixed - Optic Spot

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

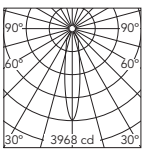
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4531.B1
Kap Ø80 Plus
☐ 05.7451.B1

19° SPOT



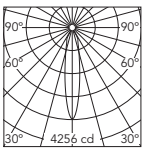
Luminous flux luminaire 1050 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4531.GL
Kap Ø80 Plus
■ 05.7451.GL

19° SPOT



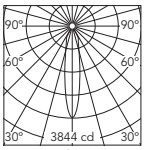
Luminous flux luminaire 1011 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4256	0.33
2	1064	0.67
3	473	1.00
4	266	1.33
5	170	1.66

Kap Ø80
■ 03.4531.BU
Kap Ø80 Plus
■ 05.7451.BU

19° SPOT



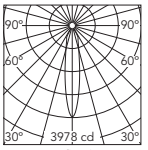
Luminous flux luminaire 948 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3844	0.34
2	961	0.68
3	427	1.02
4	240	1.36
5	154	1.70

Kap Ø80
■ 03.4531.74
Kap Ø80 Plus
■ 05.7451.74

19° SPOT



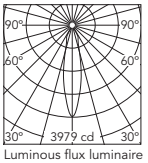
Luminous flux luminaire 929 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3978	0.33
2	994	0.66
3	442	0.99
4	249	1.31
5	159	1.64

Kap Ø80
■ 03.4531.CU
Kap Ø80 Plus
■ 05.7451.CU

22° SPOT



Luminous flux luminaire 1000 lm (EXTREME CUT OFF)
@Kap 80 Plus

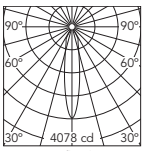
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3979	0.40
2	995	0.79
3	442	1.19
4	249	1.58
5	159	1.98

3000K

Kap Ø80
☐ 03.4530.B1
Kap Ø80 Plus
☐ 05.7450.B1

19° SPOT



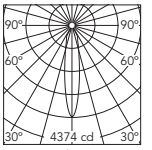
Luminous flux luminaire 1079 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4530.GL
Kap Ø80 Plus
■ 05.7450.GL

19° SPOT



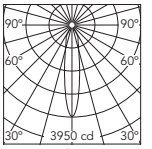
Luminous flux luminaire 1039 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4374	0.33
2	1093	0.67
3	486	1.00
4	273	1.33
5	175	1.66

Kap Ø80
■ 03.4530.BU
Kap Ø80 Plus
■ 05.7450.BU

19° SPOT



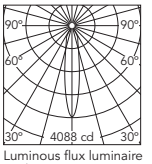
Luminous flux luminaire 974 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3950	0.34
2	988	0.68
3	439	1.02
4	247	1.36
5	158	1.70

Kap Ø80
■ 03.4530.74
Kap Ø80 Plus
■ 05.7450.74

19° SPOT



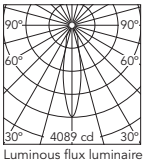
Luminous flux luminaire 955 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4088	0.33
2	1022	0.66
3	454	0.99
4	255	1.31
5	164	1.64

Kap Ø80
■ 03.4530.CU
Kap Ø80 Plus
■ 05.7450.CU

22° SPOT



Luminous flux luminaire 1027 lm (EXTREME CUT OFF)
@Kap 80 Plus

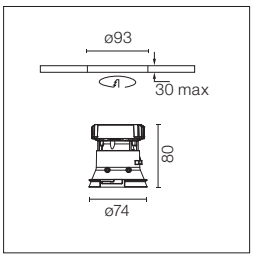
Beam Angle: 22°

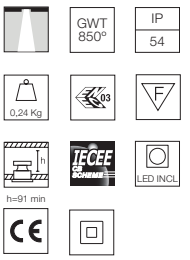
h(m)	E(lx)	D(m)
1	4089	0.40
2	1022	0.79
3	454	1.19
4	256	1.58
5	164	1.98

Kap Ø80 Fixed - Optic Spot - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







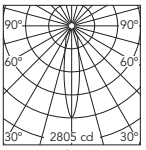
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4530.B1.LE

20° SPOT



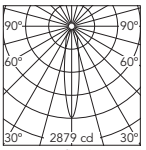
Luminous flux luminaire
740 lm (EXTREME CUT OFF)

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

■ 03.4530.GL.LE

19° SPOT



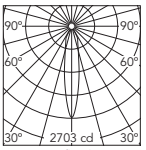
Luminous flux luminaire
696 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2879	0.33
2	720	0.67
3	320	1.00
4	180	1.33
5	115	1.67

■ 03.4530.BU.LE

19° SPOT



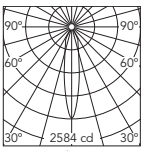
Luminous flux luminaire
644 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2703	0.33
2	676	0.66
3	300	0.99
4	169	1.32
5	108	1.65

■ 03.4530.74.LE

19° SPOT



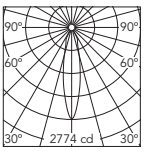
Luminous flux luminaire
632 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2584	0.34
2	646	0.68
3	287	1.02
4	161	1.35
5	103	1.69

■ 03.4530.CU.LE

22° SPOT



Luminous flux luminaire
697 lm (EXTREME CUT OFF)

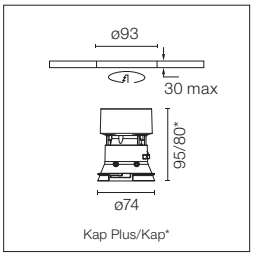
Beam Angle: 22°

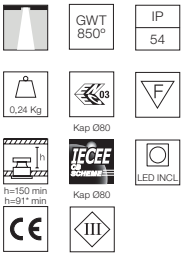
h(m)	E(lx)	D(m)
1	2774	0.38
2	693	0.76
3	308	1.14
4	173	1.53
5	111	1.91

Kap Ø80/Kap Ø80 Plus - Fixed - Optic Medium

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

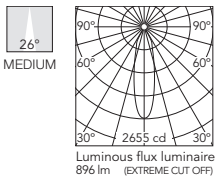
Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4181.B1
Kap Ø80 Plus
☐ 05.7411.B1

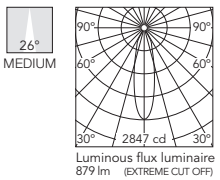


Luminous flux luminaire
896 lm (EXTREME CUT OFF)

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

Kap Ø80
03.4181.GL
Kap Ø80 Plus
05.7411.GL

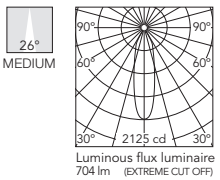


Luminous flux luminaire
879 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2847	0.46
2	712	0.92
3	316	1.38
4	178	1.84
5	114	2.30

Kap Ø80
03.4181.BU
Kap Ø80 Plus
05.7411.BU

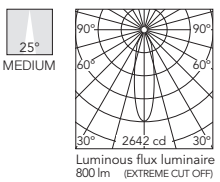


Luminous flux luminaire
704 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2125	0.47
2	531	0.93
3	236	1.40
4	133	1.87
5	85	2.34

Kap Ø80
03.4181.74
Kap Ø80 Plus
05.7411.74

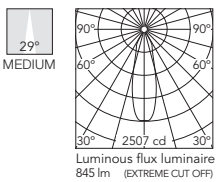


Luminous flux luminaire
800 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2642	0.45
2	661	0.89
3	294	1.34
4	165	1.79
5	106	2.23

Kap Ø80
03.4181.CU
Kap Ø80 Plus
05.7411.CU



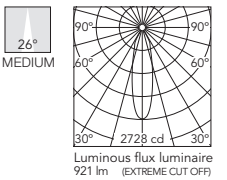
Luminous flux luminaire
845 lm (EXTREME CUT OFF)
@Kap 80 Plus

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2507	0.51
2	627	1.03
3	279	1.54
4	157	2.05
5	100	2.57

3000K

Kap Ø80
☐ 03.4180.B1
Kap Ø80 Plus
☐ 05.7410.B1

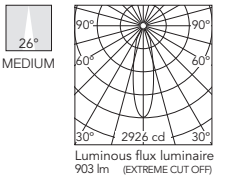


Luminous flux luminaire
921 lm (EXTREME CUT OFF)

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

Kap Ø80
03.4180.GL
Kap Ø80 Plus
05.7410.GL

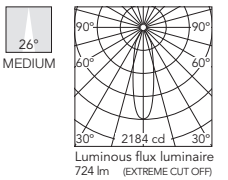


Luminous flux luminaire
903 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2926	0.46
2	731	0.92
3	325	1.38
4	183	1.84
5	117	2.30

Kap Ø80
03.4180.BU
Kap Ø80 Plus
05.7410.BU

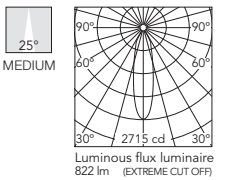


Luminous flux luminaire
724 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2184	0.47
2	546	0.93
3	243	1.40
4	137	1.87
5	87	2.34

Kap Ø80
03.4180.74
Kap Ø80 Plus
05.7410.74

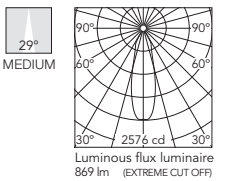


Luminous flux luminaire
822 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2715	0.45
2	679	0.89
3	302	1.34
4	170	1.79
5	109	2.23

Kap Ø80
03.4180.CU
Kap Ø80 Plus
05.7410.CU



Luminous flux luminaire
869 lm (EXTREME CUT OFF)
@Kap 80 Plus

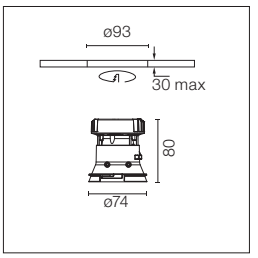
Beam Angle: 29°

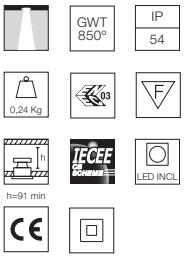
h(m)	E(lx)	D(m)
1	2576	0.51
2	644	1.03
3	286	1.54
4	161	2.05
5	103	2.57

Kap Ø80 Fixed - Optic Medium - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







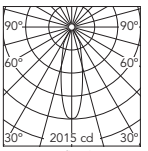
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4180.B1.LE

27° MEDIUM



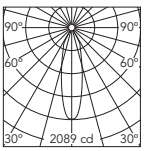
Luminous flux luminaire
735 lm (EXTREME CUT OFF)

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

■ 03.4180.GL.LE

27° MEDIUM



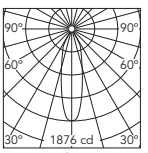
Luminous flux luminaire
705 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2089	0.47
2	522	0.95
3	232	1.42
4	131	1.89
5	84	2.37

■ 03.4180.BU.LE

27° MEDIUM



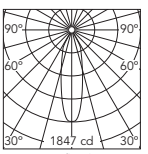
Luminous flux luminaire
641 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1876	0.48
2	469	0.96
3	208	1.44
4	117	1.92
5	75	2.40

■ 03.4180.74.LE

28° MEDIUM



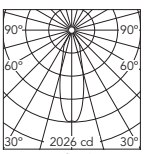
Luminous flux luminaire
637 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1847	0.49
2	462	0.98
3	205	1.47
4	115	1.96
5	74	2.45

■ 03.4180.CU.LE

29° MEDIUM



Luminous flux luminaire
698 lm (EXTREME CUT OFF)

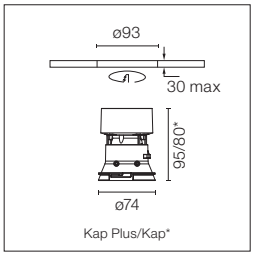
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2026	0.52
2	506	1.04
3	225	1.56
4	127	2.09
5	81	2.61

Kap Ø80/Kap Ø80 Plus - Fixed - Optic Flood

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





GWT 850°
IP 54
0,24 Kg
Kap Ø80
h=150 min
h=91° min
Kap Ø80
LED INCL

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

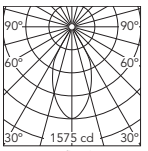
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4533.B1
Kap Ø80 Plus
☐ 05.7453.B1

50° FLOOD



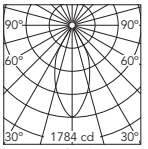
Luminous flux luminaire 1017 lm (EXTREME CUT OFF)

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

Kap Ø80
☐ 03.4533.GL
Kap Ø80 Plus
☐ 05.7453.GL

45° FLOOD



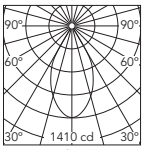
Luminous flux luminaire 976 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1784	0.83
2	446	1.66
3	198	2.48
4	111	3.31
5	71	4.14

Kap Ø80
☐ 03.4533.BU
Kap Ø80 Plus
☐ 05.7453.BU

53° FLOOD



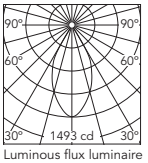
Luminous flux luminaire 895 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1410	1.00
2	352	2.01
3	157	3.01
4	88	4.02
5	56	5.02

Kap Ø80
☐ 03.4533.74
Kap Ø80 Plus
☐ 05.7453.74

50° FLOOD



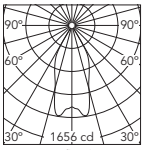
Luminous flux luminaire 885 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1493	0.94
2	373	1.89
3	166	2.83
4	93	3.77
5	60	4.72

Kap Ø80
☐ 03.4533.CU
Kap Ø80 Plus
☐ 05.7453.CU

45° FLOOD



Luminous flux luminaire 960 lm (EXTREME CUT OFF)
@Kap 80 Plus

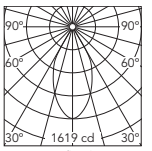
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1656	0.83
2	414	1.66
3	184	2.49
4	103	3.32
5	66	4.14

3000K

Kap Ø80
☐ 03.4532.B1
Kap Ø80 Plus
☐ 05.7452.B1

50° FLOOD



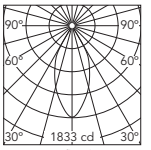
Luminous flux luminaire 1045 lm (EXTREME CUT OFF)

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
☐ 03.4532.GL
Kap Ø80 Plus
☐ 05.7452.GL

45° FLOOD



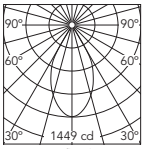
Luminous flux luminaire 1003 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1833	0.83
2	458	1.66
3	204	2.48
4	115	3.31
5	73	4.14

Kap Ø80
☐ 03.4532.BU
Kap Ø80 Plus
☐ 05.7452.BU

53° FLOOD



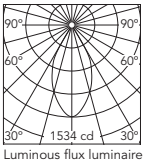
Luminous flux luminaire 920 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1449	1.00
2	362	2.01
3	161	3.01
4	91	4.02
5	58	5.02

Kap Ø80
☐ 03.4532.74
Kap Ø80 Plus
☐ 05.7452.74

50° FLOOD



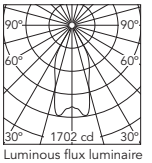
Luminous flux luminaire 909 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1534	0.94
2	384	1.89
3	170	2.83
4	96	3.77
5	61	4.72

Kap Ø80
☐ 03.4532.CU
Kap Ø80 Plus
☐ 05.7452.CU

45° FLOOD



Luminous flux luminaire 987 lm (EXTREME CUT OFF)
@Kap 80 Plus

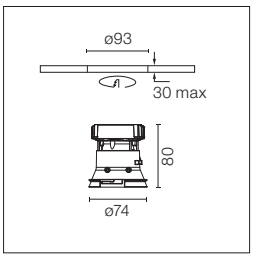
Beam Angle: 45°

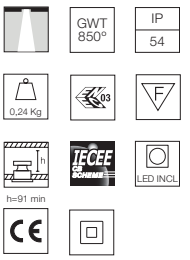
h(m)	E(lx)	D(m)
1	1702	0.83
2	425	1.66
3	189	2.49
4	106	3.32
5	68	4.14

Kap Ø80 Fixed - Optic Flood - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







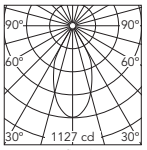
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4532.B1.LE

49° FLOOD



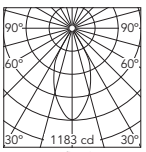
Luminous flux luminaire
729 lm (EXTREME CUT OFF)

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

■ 03.4532.GL.LE

47° FLOOD



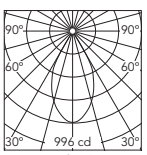
Luminous flux luminaire
690 lm (EXTREME CUT OFF)

Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1183	0.87
2	296	1.75
3	131	2.62
4	74	3.50
5	47	4.37

■ 03.4532.BU.LE

53° FLOOD



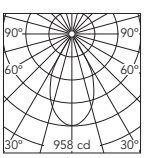
Luminous flux luminaire
631 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	996	1.00
2	249	1.99
3	111	2.99
4	62	3.98
5	40	4.98

■ 03.4532.74.LE

54° FLOOD



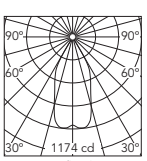
Luminous flux luminaire
622 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	958	1.02
2	239	2.04
3	106	3.06
4	60	4.09
5	38	5.11

■ 03.4532.CU.LE

46° FLOOD



Luminous flux luminaire
694 lm (EXTREME CUT OFF)

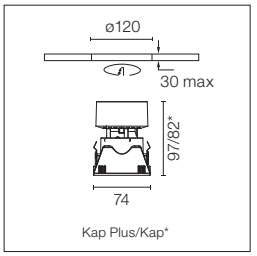
Beam Angle: 46°

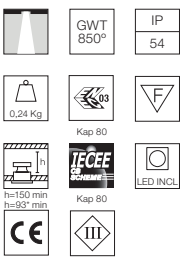
h(m)	E(lx)	D(m)
1	1174	0.86
2	293	1.71
3	130	2.57
4	73	3.42
5	47	4.28

Kap 80/Kap 80 Plus Square - Fixed - Optic Spot

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

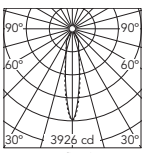
	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4535.B1
Kap 80 Plus
☐ 05.7455.B1

18° SPOT



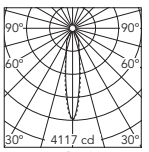
Luminous flux luminaire 1096 lm (EXTREME CUT OFF)

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

Kap 80
03.4535.GL
Kap 80 Plus
05.7455.GL

18° SPOT



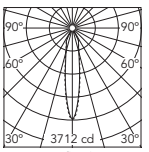
Luminous flux luminaire 1083 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4117	0.31
2	1029	0.63
3	457	0.94
4	257	1.26
5	165	1.57

Kap 80
03.4535.BU
Kap 80 Plus
05.7455.BU

18° SPOT



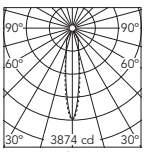
Luminous flux luminaire 979 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3712	0.32
2	928	0.64
3	412	0.96
4	232	1.28
5	148	1.60

Kap 80
03.4535.74
Kap 80 Plus
05.7455.74

17° SPOT



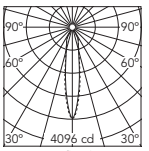
Luminous flux luminaire 989 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3874	0.30
2	969	0.60
3	430	0.90
4	242	1.20
5	155	1.50

Kap 80
03.4535.CU
Kap 80 Plus
05.7455.CU

18° SPOT



Luminous flux luminaire 1050 lm (EXTREME CUT OFF)
@Kap 80 Plus

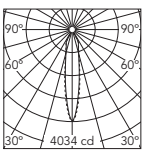
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4096	0.31
2	1024	0.62
3	455	0.94
4	256	1.25
5	164	1.56

3000K

Kap 80
☐ 03.4534.B1
Kap 80 Plus
☐ 05.7454.B1

18° SPOT



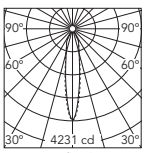
Luminous flux luminaire 1126 lm (EXTREME CUT OFF)

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

Kap 80
03.4534.GL
Kap 80 Plus
05.7454.GL

18° SPOT



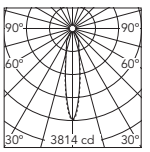
Luminous flux luminaire 1113 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4231	0.31
2	1058	0.63
3	470	0.94
4	264	1.26
5	169	1.57

Kap 80
03.4534.BU
Kap 80 Plus
05.7454.BU

18° SPOT



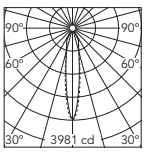
Luminous flux luminaire 1006 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3814	0.32
2	954	0.64
3	424	0.96
4	238	1.28
5	153	1.60

Kap 80
03.4534.74
Kap 80 Plus
05.7454.74

17° SPOT



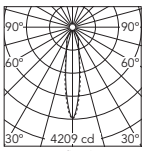
Luminous flux luminaire 1016 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3981	0.30
2	995	0.60
3	442	0.90
4	249	1.20
5	159	1.50

Kap 80
03.4534.CU
Kap 80 Plus
05.7454.CU

18° SPOT



Luminous flux luminaire 1079 lm (EXTREME CUT OFF)
@Kap 80 Plus

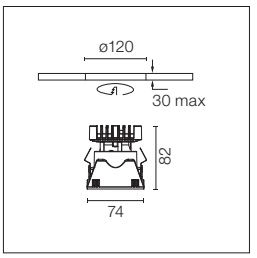
Beam Angle: 18°

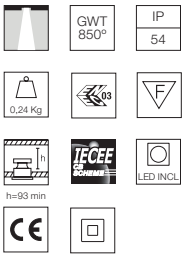
h(m)	E(lx)	D(m)
1	4209	0.31
2	1052	0.62
3	468	0.94
4	263	1.25
5	168	1.56

Kap 80 Square Fixed - Optic Spot - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm





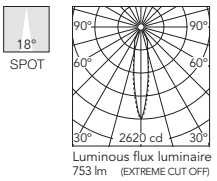


Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4534.B1.LE

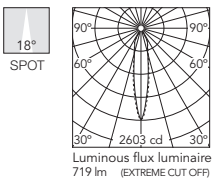


Luminous flux luminaire
753 lm (EXTREME CUT OFF)

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

■ 03.4534.GL.LE

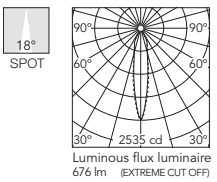


Luminous flux luminaire
719 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2603	0.32
2	651	0.64
3	289	0.96
4	163	1.28
5	104	1.60

■ 03.4534.BU.LE

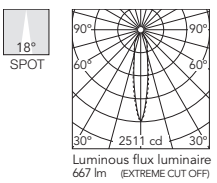


Luminous flux luminaire
676 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2535	0.31
2	634	0.63
3	282	0.94
4	158	1.26
5	101	1.57

■ 03.4534.74.LE

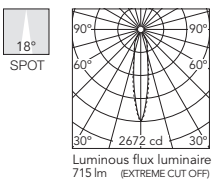


Luminous flux luminaire
667 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2511	0.31
2	628	0.63
3	279	0.94
4	157	1.25
5	100	1.57

■ 03.4534.CU.LE



Luminous flux luminaire
715 lm (EXTREME CUT OFF)

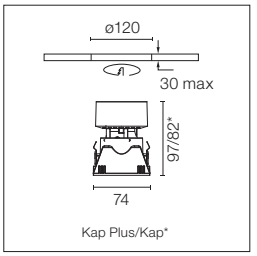
Beam Angle: 18°

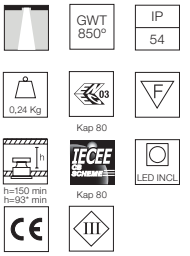
h(m)	E(lx)	D(m)
1	2672	0.32
2	668	0.64
3	297	0.96
4	167	1.29
5	107	1.61

Kap 80/Kap 80 Plus Square - Fixed - Optic Medium

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

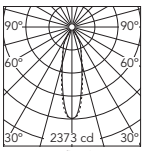
	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4183.B1
Kap 80 Plus
☐ 05.7413.B1

25° MEDIUM



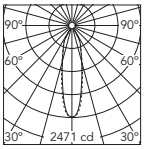
Luminous flux luminaire 910 lm (EXTREME CUT OFF)

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

Kap 80
03.4183.GL
Kap 80 Plus
05.7413.GL

25° MEDIUM



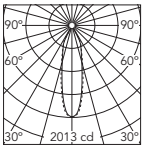
Luminous flux luminaire 887 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2471	0.45
2	618	0.90
3	275	1.34
4	154	1.79
5	99	2.24

Kap 80
03.4183.BU
Kap 80 Plus
05.7413.BU

26° MEDIUM



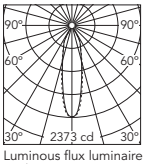
Luminous flux luminaire 741 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2013	0.45
2	503	0.91
3	224	1.36
4	126	1.82
5	81	2.27

Kap 80
03.4183.74
Kap 80 Plus
05.7413.74

25° MEDIUM



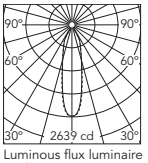
Luminous flux luminaire 827 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2373	0.44
2	593	0.88
3	264	1.32
4	148	1.76
5	95	2.20

Kap 80
03.4183.CU
Kap 80 Plus
05.7413.CU

25° MEDIUM



Luminous flux luminaire 945 lm (EXTREME CUT OFF)
@Kap 80 Plus

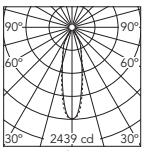
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2639	0.44
2	660	0.88
3	293	1.32
4	165	1.75
5	106	2.19

3000K

Kap 80
☐ 03.4182.B1
Kap 80 Plus
☐ 05.7412.B1

25° MEDIUM



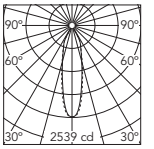
Luminous flux luminaire 935 lm (EXTREME CUT OFF)

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

Kap 80
03.4182.GL
Kap 80 Plus
05.7412.GL

25° MEDIUM



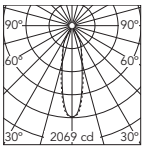
Luminous flux luminaire 911 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2539	0.45
2	635	0.90
3	282	1.34
4	159	1.79
5	102	2.24

Kap 80
03.4182.BU
Kap 80 Plus
05.7412.BU

26° MEDIUM



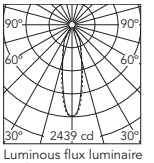
Luminous flux luminaire 762 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2069	0.45
2	517	0.91
3	230	1.36
4	129	1.82
5	83	2.27

Kap 80
03.4182.74
Kap 80 Plus
05.7412.74

25° MEDIUM



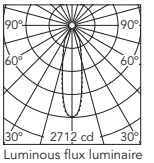
Luminous flux luminaire 850 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2439	0.44
2	610	0.88
3	271	1.32
4	152	1.76
5	98	2.20

Kap 80
03.4182.CU
Kap 80 Plus
05.7412.CU

25° MEDIUM



Luminous flux luminaire 971 lm (EXTREME CUT OFF)
@Kap 80 Plus

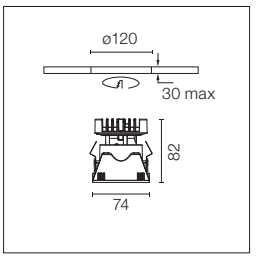
Beam Angle: 25°

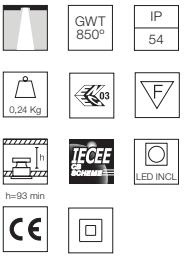
h(m)	E(lx)	D(m)
1	2712	0.44
2	678	0.88
3	301	1.32
4	169	1.75
5	108	2.19

Kap 80 Square Fixed - Optic Medium - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







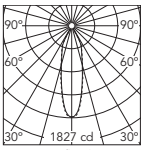
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4182.B1.LE

27° MEDIUM



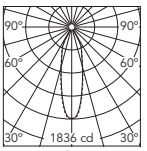
Luminous flux luminaire
750 lm (EXTREME CUT OFF)

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

■ 03.4182.GL.LE

27° MEDIUM



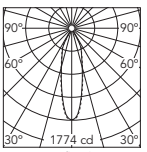
Luminous flux luminaire
720 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1836	0.49
2	459	0.98
3	204	1.47
4	115	1.95
5	73	2.44

■ 03.4182.BU.LE

27° MEDIUM



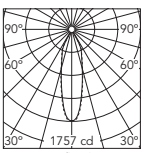
Luminous flux luminaire
676 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1774	0.48
2	444	0.96
3	197	1.44
4	111	1.92
5	71	2.40

■ 03.4182.74.LE

27° MEDIUM



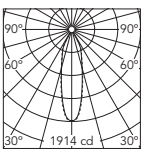
Luminous flux luminaire
669 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1757	0.48
2	439	0.96
3	195	1.44
4	110	1.93
5	70	2.41

■ 03.4182.CU.LE

27° MEDIUM



Luminous flux luminaire
719 lm (EXTREME CUT OFF)

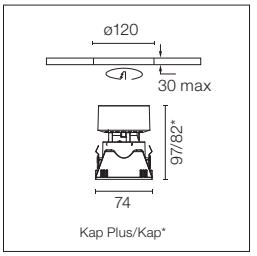
Beam Angle: 27°

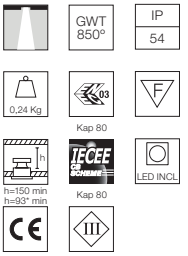
h(m)	E(lx)	D(m)
1	1914	0.48
2	478	0.95
3	213	1.43
4	120	1.90
5	77	2.38

Kap 80/Kap 80 Plus Square - Fixed - Optic Flood

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

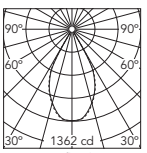
	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4537.B1
Kap 80 Plus
☐ 05.7457.B1

55° FLOOD

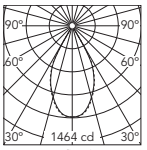


Luminous flux luminaire
1069 lm (EXTREME CUT OFF)

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

Kap 80
■ 03.4537.GL
Kap 80 Plus
■ 05.7457.GL

53° FLOOD

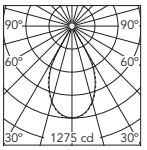


Luminous flux luminaire
1041 lm (EXTREME CUT OFF)

Beam Angle:	53°	
h(m)	E(lx)	D(m)
1	1464	1.00
2	366	2.00
3	163	3.00
4	92	4.00
5	59	5.01

Kap 80
■ 03.4537.BU
Kap 80 Plus
■ 05.7457.BU

55° FLOOD

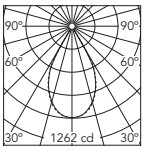


Luminous flux luminaire
947 lm (EXTREME CUT OFF)

Beam Angle:	55°	
h(m)	E(lx)	D(m)
1	1275	1.04
2	319	2.09
3	142	3.13
4	80	4.18
5	51	5.22

Kap 80
■ 03.4537.74
Kap 80 Plus
■ 05.7457.74

55° FLOOD

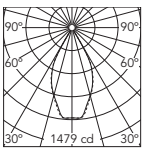


Luminous flux luminaire
947 lm (EXTREME CUT OFF)

Beam Angle:	55°	
h(m)	E(lx)	D(m)
1	1262	1.05
2	315	2.10
3	140	3.16
4	79	4.21
5	50	5.26

Kap 80
■ 03.4537.CU
Kap 80 Plus
■ 05.7457.CU

52° FLOOD



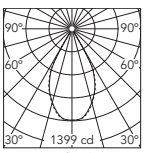
Luminous flux luminaire
1013 lm (EXTREME CUT OFF)
@Kap 80 Plus

Beam Angle:	52°	
h(m)	E(lx)	D(m)
1	1479	0.97
2	370	1.93
3	164	2.90
4	92	3.87
5	59	4.84

3000K

Kap 80
☐ 03.4536.B1
Kap 80 Plus
☐ 05.7456.B1

55° FLOOD

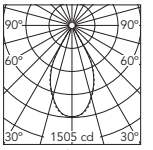


Luminous flux luminaire
1099 lm (EXTREME CUT OFF)

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
■ 03.4536.GL
Kap 80 Plus
■ 05.7456.GL

53° FLOOD

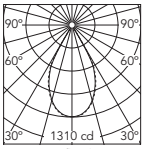


Luminous flux luminaire
1070 lm (EXTREME CUT OFF)

Beam Angle:	53°	
h(m)	E(lx)	D(m)
1	1505	1.00
2	376	2.00
3	167	3.00
4	94	4.00
5	60	5.01

Kap 80
■ 03.4536.BU
Kap 80 Plus
■ 05.7456.BU

55° FLOOD

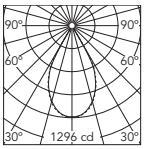


Luminous flux luminaire
973 lm (EXTREME CUT OFF)

Beam Angle:	55°	
h(m)	E(lx)	D(m)
1	1310	1.04
2	327	2.09
3	146	3.13
4	82	4.18
5	52	5.22

Kap 80
■ 03.4536.74
Kap 80 Plus
■ 05.7456.74

55° FLOOD

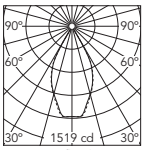


Luminous flux luminaire
973 lm (EXTREME CUT OFF)

Beam Angle:	55°	
h(m)	E(lx)	D(m)
1	1296	1.05
2	324	2.10
3	144	3.16
4	81	4.21
5	52	5.26

Kap 80
■ 03.4536.CU
Kap 80 Plus
■ 05.7456.CU

52° FLOOD



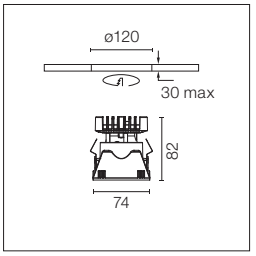
Luminous flux luminaire
1041 lm (EXTREME CUT OFF)
@Kap 80 Plus

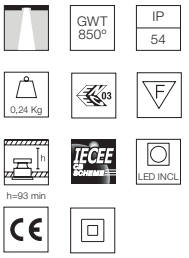
Beam Angle:	52°	
h(m)	E(lx)	D(m)
1	1519	0.97
2	380	1.93
3	169	2.90
4	95	3.87
5	61	4.84

Kap 80 Square Fixed - Optic Flood - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







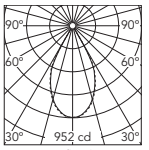
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4536.B1.LE

54° FLOOD



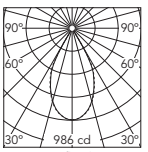
Luminous flux luminaire
736 lm (EXTREME CUT OFF)

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

■ 03.4536.GL.LE

53° FLOOD



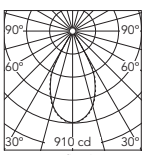
Luminous flux luminaire
715 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	1.00
2	247	2.01
3	110	3.01
4	62	4.01
5	39	5.02

■ 03.4536.BU.LE

54° FLOOD



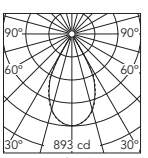
Luminous flux luminaire
661 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	910	1.02
2	227	2.05
3	101	3.07
4	57	4.09
5	36	5.12

■ 03.4536.74.LE

54° FLOOD



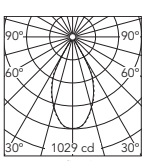
Luminous flux luminaire
659 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	893	1.03
2	223	2.05
3	99	3.08
4	56	4.11
5	36	5.14

■ 03.4536.CU.LE

52° FLOOD



Luminous flux luminaire
703 lm (EXTREME CUT OFF)

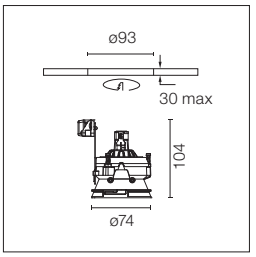
Beam Angle: 52°

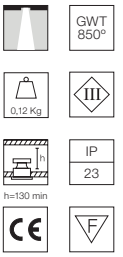
h(m)	E(lx)	D(m)
1	1029	0.97
2	257	1.94
3	114	2.92
4	64	3.89
5	41	4.86

Kap Ø80 Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

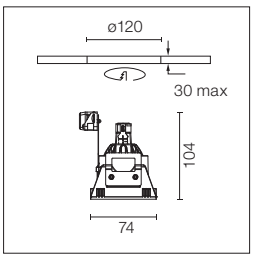
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

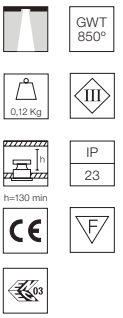
- 03.4228.B1
- 03.4228.GL
- 03.4228.BU
- 03.4228.74
- 03.4228.CU

Kap 80 Square Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

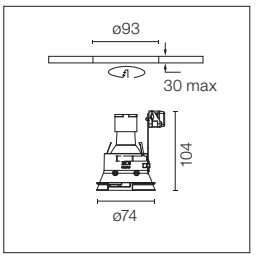
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

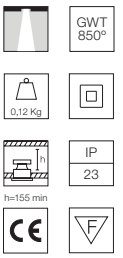
- 03.4226.B1
- 03.4226.GL
- 03.4226.BU
- 03.4226.74
- 03.4226.CU

Kap Ø80 Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

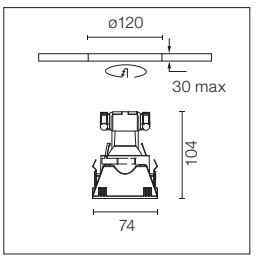
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

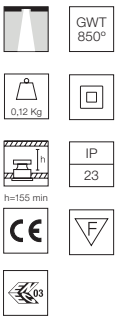
- 03.4229.B1
- 03.4229.GL
- 03.4229.BU
- 03.4229.74
- 03.4229.CU

Kap 80 Square Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

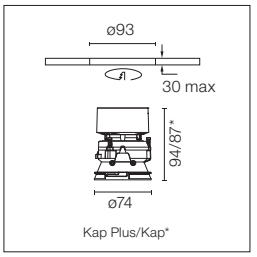
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

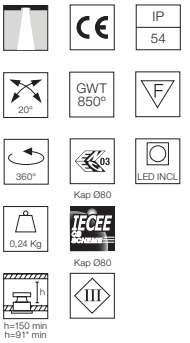
- 03.4227.B1
- 03.4227.GL
- 03.4227.BU
- 03.4227.74
- 03.4227.CU

Kap Ø80/Kap Ø80 Plus - Adjustable - Optic Spot

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

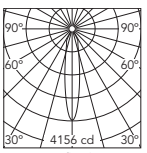
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4539.B1
Kap Ø80 Plus
☐ 05.7459.B1

19° SPOT



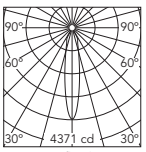
Luminous flux luminaire
1040 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4539.GL
Kap Ø80 Plus
■ 05.7459.GL

19° SPOT



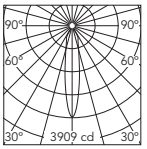
Luminous flux luminaire
1026 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4371	0.33
2	1093	0.66
3	486	0.99
4	273	1.32
5	175	1.65

Kap Ø80
■ 03.4539.BU
Kap Ø80 Plus
■ 05.7459.BU

18° SPOT



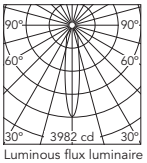
Luminous flux luminaire
923 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3909	0.32
2	977	0.65
3	434	0.97
4	244	1.30
5	156	1.62

Kap Ø80
■ 03.4539.74
Kap Ø80 Plus
■ 05.7459.74

18° SPOT



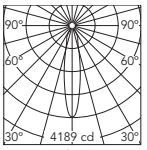
Luminous flux luminaire
932 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3982	0.32
2	996	0.65
3	442	0.97
4	249	1.30
5	159	1.62

Kap Ø80
■ 03.4539.CU
Kap Ø80 Plus
■ 05.7459.CU

21° SPOT



Luminous flux luminaire
1009 lm (EXTREME CUT OFF)
@Kap 80 Plus

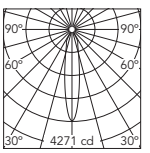
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4189	0.36
2	1047	0.72
3	465	1.09
4	262	1.45
5	168	1.81

3000K

Kap Ø80
☐ 03.4538.B1
Kap Ø80 Plus
☐ 05.7458.B1

19° SPOT



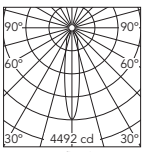
Luminous flux luminaire
1069 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4538.GL
Kap Ø80 Plus
■ 05.7458.GL

19° SPOT



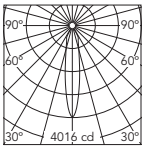
Luminous flux luminaire
1054 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4492	0.33
2	1123	0.66
3	499	0.99
4	281	1.32
5	180	1.65

Kap Ø80
■ 03.4538.BU
Kap Ø80 Plus
■ 05.7458.BU

18° SPOT



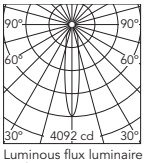
Luminous flux luminaire
949 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4016	0.32
2	1004	0.65
3	446	0.97
4	251	1.30
5	161	1.62

Kap Ø80
■ 03.4538.74
Kap Ø80 Plus
■ 05.7458.74

18° SPOT



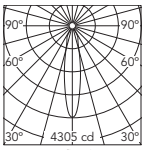
Luminous flux luminaire
957 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4092	0.32
2	1023	0.65
3	455	0.97
4	256	1.30
5	164	1.62

Kap Ø80
■ 03.4538.CU
Kap Ø80 Plus
■ 05.7458.CU

21° SPOT



Luminous flux luminaire
1037 lm (EXTREME CUT OFF)
@Kap 80 Plus

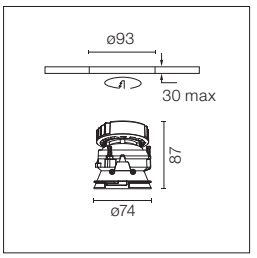
Beam Angle: 21°

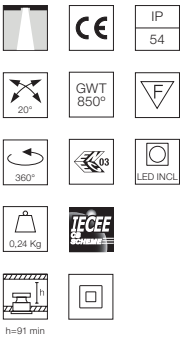
h(m)	E(lx)	D(m)
1	4305	0.36
2	1076	0.72
3	478	1.09
4	269	1.45
5	172	1.81

Kap Ø80 Adjustable - Optic Spot - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







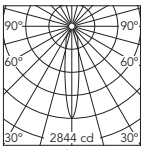
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4538.B1.LE

18° SPOT



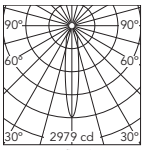
Luminous flux luminaire
716 lm (EXTREME CUT OFF)

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

■ 03.4538.GL.LE

17° SPOT



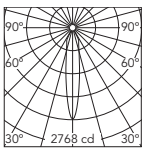
Luminous flux luminaire
684 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2979	0.30
2	745	0.61
3	331	0.91
4	186	1.21
5	119	1.52

■ 03.4538.BU.LE

17° SPOT



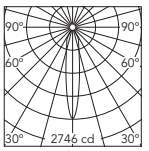
Luminous flux luminaire
639 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2768	0.31
2	692	0.61
3	308	0.92
4	173	1.22
5	111	1.53

■ 03.4538.74.LE

17° SPOT



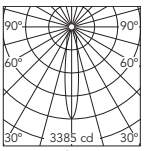
Luminous flux luminaire
630 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2746	0.31
2	687	0.61
3	305	0.92
4	172	1.22
5	110	1.53

■ 03.4538.CU.LE

17° SPOT



Luminous flux luminaire
680 lm (EXTREME CUT OFF)

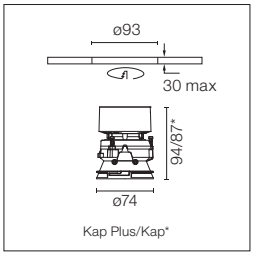
Beam Angle: 17°

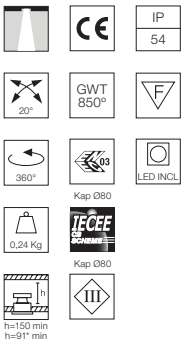
h(m)	E(lx)	D(m)
1	3385	0.30
2	846	0.60
3	376	0.90
4	212	1.20
5	135	1.50

Kap Ø80/Kap Ø80 Plus - Adjustable - Optic Medium

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

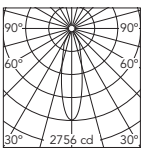
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4185.B1
Kap Ø80 Plus
☐ 05.7415.B1

26° MEDIUM



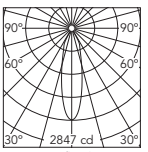
Luminous flux luminaire
982 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4185.GL
Kap Ø80 Plus
■ 05.7415.GL

26° MEDIUM



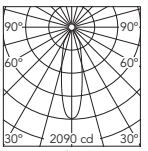
Luminous flux luminaire
922 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2847	0.46
2	712	0.93
3	316	1.39
4	178	1.85
5	114	2.32

Kap Ø80
■ 03.4185.BU
Kap Ø80 Plus
■ 05.7415.BU

26° MEDIUM



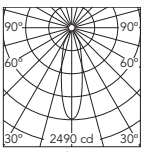
Luminous flux luminaire
703 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2090	0.47
2	522	0.94
3	232	1.40
4	131	1.87
5	84	2.34

Kap Ø80
■ 03.4185.74
Kap Ø80 Plus
■ 05.7415.74

27° MEDIUM



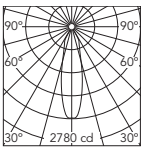
Luminous flux luminaire
831 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2490	0.47
2	622	0.95
3	277	1.42
4	156	1.89
5	100	2.37

Kap Ø80
■ 03.4185.CU
Kap Ø80 Plus
■ 05.7415.CU

26° MEDIUM



Luminous flux luminaire
871 lm (EXTREME CUT OFF)
@Kap 80 Plus

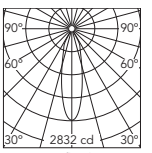
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2780	0.47
2	695	0.93
3	309	1.40
4	174	1.86
5	111	2.33

3000K

Kap Ø80
☐ 03.4184.B1
Kap Ø80 Plus
☐ 05.7414.B1

26° MEDIUM



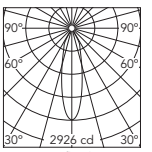
Luminous flux luminaire
1009 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4184.GL
Kap Ø80 Plus
■ 05.7414.GL

26° MEDIUM



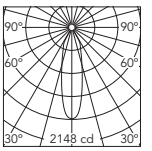
Luminous flux luminaire
947 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2926	0.46
2	731	0.93
3	325	1.39
4	183	1.85
5	117	2.32

Kap Ø80
■ 03.4184.BU
Kap Ø80 Plus
■ 05.7414.BU

26° MEDIUM



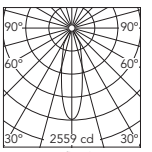
Luminous flux luminaire
723 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2148	0.47
2	537	0.94
3	239	1.40
4	134	1.87
5	86	2.34

Kap Ø80
■ 03.4184.74
Kap Ø80 Plus
■ 05.7414.74

27° MEDIUM



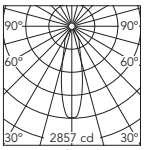
Luminous flux luminaire
854 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2559	0.47
2	640	0.95
3	284	1.42
4	160	1.89
5	102	2.37

Kap Ø80
■ 03.4184.CU
Kap Ø80 Plus
■ 05.7414.CU

26° MEDIUM



Luminous flux luminaire
895 lm (EXTREME CUT OFF)
@Kap 80 Plus

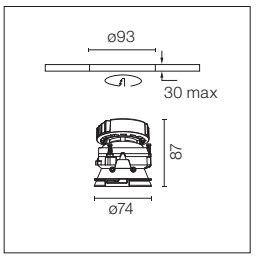
Beam Angle: 26°

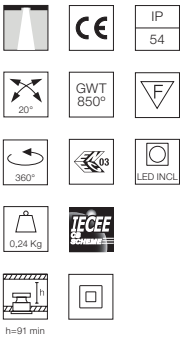
h(m)	E(lx)	D(m)
1	2857	0.47
2	714	0.93
3	317	1.40
4	179	1.86
5	114	2.33

Kap Ø80 Adjustable - Optic Medium - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







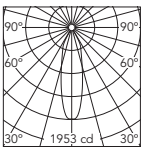
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4184.B1.LE

27°
MEDIUM



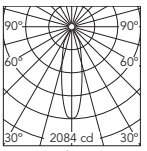
Luminous flux luminaire
722 lm (EXTREME CUT OFF)

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

■ 03.4184.GL.LE

26°
MEDIUM



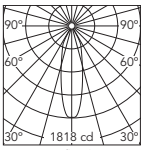
Luminous flux luminaire
695 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2084	0.46
2	521	0.92
3	232	1.38
4	130	1.85
5	83	2.31

■ 03.4184.BU.LE

28°
MEDIUM



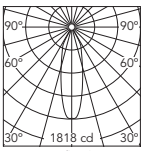
Luminous flux luminaire
630 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	454	0.98
3	202	1.47
4	114	1.96
5	73	2.45

■ 03.4184.74.LE

28°
MEDIUM



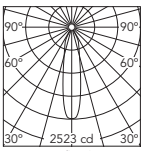
Luminous flux luminaire
631 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	455	0.99
3	202	1.48
4	114	1.97
5	73	2.46

■ 03.4184.CU.LE

22°
MEDIUM



Luminous flux luminaire
683 lm (EXTREME CUT OFF)

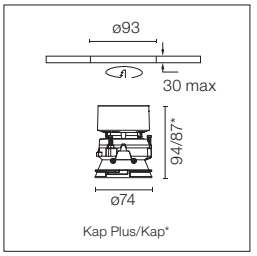
Beam Angle: 22°

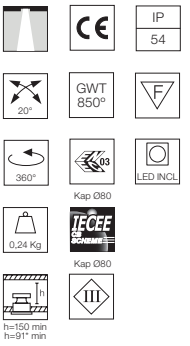
h(m)	E(lx)	D(m)
1	2523	0.39
2	631	0.78
3	280	1.17
4	158	1.56
5	101	1.95

Kap Ø80/Kap Ø80 Plus - Adjustable - Optic Flood

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

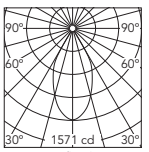
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4541.B1
Kap Ø80 Plus
☐ 05.7461.B1

50° FLOOD



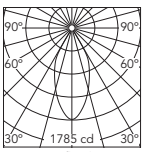
Luminous flux luminaire
1017 lm (EXTREME CUT OFF)

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

Kap Ø80
■ 03.4541.GL
Kap Ø80 Plus
■ 05.7461.GL

45° FLOOD



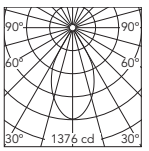
Luminous flux luminaire
987 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1785	0.83
2	446	1.67
3	198	2.50
4	112	3.34
5	71	4.17

Kap Ø80
■ 03.4541.BU
Kap Ø80 Plus
■ 05.7461.BU

54° FLOOD



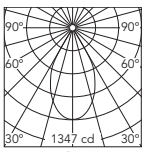
Luminous flux luminaire
882 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1376	1.01
2	344	2.03
3	153	3.04
4	86	4.05
5	55	5.07

Kap Ø80
■ 03.4541.74
Kap Ø80 Plus
■ 05.7461.74

55° FLOOD



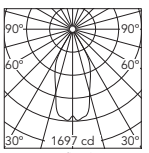
Luminous flux luminaire
884 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1347	1.04
2	337	2.08
3	150	3.12
4	84	4.16
5	54	5.20

Kap Ø80
■ 03.4541.CU
Kap Ø80 Plus
■ 05.7461.CU

46° FLOOD



Luminous flux luminaire
970 lm (EXTREME CUT OFF)
@Kap 80 Plus

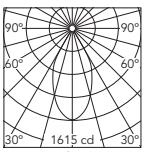
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1697	0.85
2	424	1.70
3	189	2.55
4	106	3.40
5	68	4.26

3000K

Kap Ø80
☐ 03.4540.B1
Kap Ø80 Plus
☐ 05.7460.B1

50° FLOOD



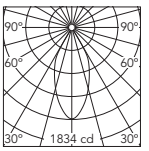
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)

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
■ 03.4540.GL
Kap Ø80 Plus
■ 05.7460.GL

45° FLOOD



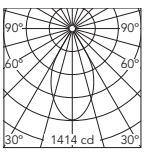
Luminous flux luminaire
1014 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1834	0.83
2	458	1.67
3	204	2.50
4	115	3.34
5	73	4.17

Kap Ø80
■ 03.4540.BU
Kap Ø80 Plus
■ 05.7460.BU

54° FLOOD



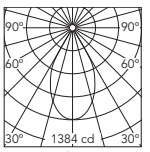
Luminous flux luminaire
906 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1414	1.01
2	353	2.03
3	157	3.04
4	88	4.05
5	57	5.07

Kap Ø80
■ 03.4540.74
Kap Ø80 Plus
■ 05.7460.74

55° FLOOD



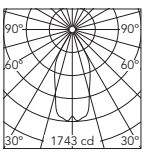
Luminous flux luminaire
909 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1384	1.04
2	346	2.08
3	154	3.12
4	87	4.16
5	55	5.20

Kap Ø80
■ 03.4540.CU
Kap Ø80 Plus
■ 05.7460.CU

46° FLOOD



Luminous flux luminaire
996 lm (EXTREME CUT OFF)
@Kap 80 Plus

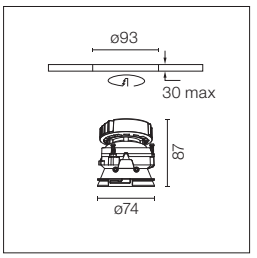
Beam Angle: 46°

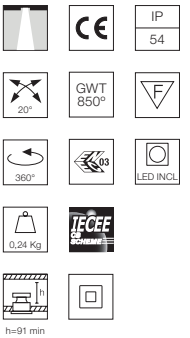
h(m)	E(lx)	D(m)
1	1743	0.85
2	436	1.70
3	194	2.55
4	109	3.40
5	70	4.26

Kap Ø80 Adjustable - Optic Flood - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm





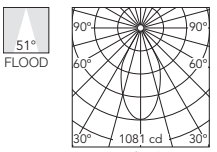


Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4540.B1.LE

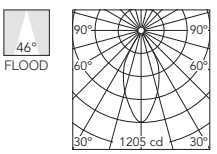


Luminous flux luminaire
707 lm (EXTREME CUT OFF)

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

■ 03.4540.GL.LE

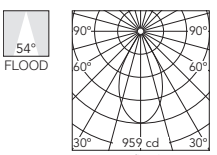


Luminous flux luminaire
677 lm (EXTREME CUT OFF)

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1205	0.85
2	301	1.71
3	134	2.56
4	75	3.41
5	48	4.26

■ 03.4540.BU.LE

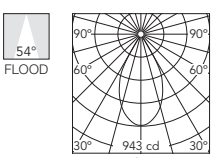


Luminous flux luminaire
619 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	959	1.01
2	240	2.02
3	107	3.03
4	60	4.04
5	38	5.05

■ 03.4540.74.LE

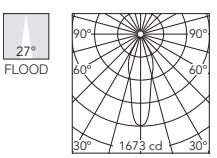


Luminous flux luminaire
608 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	943	1.01
2	236	2.03
3	105	3.04
4	59	4.06
5	38	5.07

■ 03.4540.CU.LE



Luminous flux luminaire
663 lm (EXTREME CUT OFF)

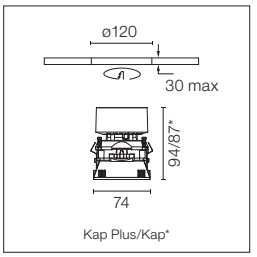
Beam Angle: 27°

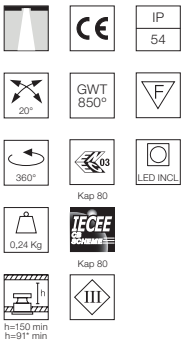
h(m)	E(lx)	D(m)
1	1673	0.49
2	418	0.97
3	186	1.46
4	105	1.94
5	67	2.43

Kap 80/Kap 80 Plus Square - Adjustable - Optic Spot

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

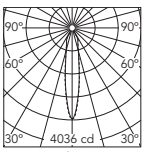
	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4543.B1
Kap 80 Plus
☐ 05.7463.B1

18° SPOT



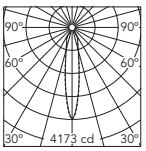
Luminous flux luminaire
1092 lm (EXTREME CUT OFF)

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

Kap 80
■ 03.4543.GL
Kap 80 Plus
■ 05.7463.GL

17° SPOT



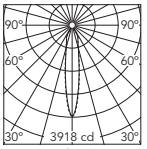
Luminous flux luminaire
1067 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4173	0.31
2	1043	0.62
3	464	0.92
4	261	1.23
5	167	1.54

Kap 80
■ 03.4543.BU
Kap 80 Plus
■ 05.7463.BU

18° SPOT



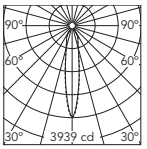
Luminous flux luminaire
997 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3918	0.31
2	979	0.62
3	435	0.93
4	245	1.24
5	157	1.55

Kap 80
■ 03.4543.74
Kap 80 Plus
■ 05.7463.74

18° SPOT



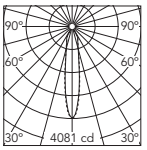
Luminous flux luminaire
997 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3939	0.31
2	985	0.62
3	438	0.93
4	246	1.24
5	158	1.54

Kap 80
■ 03.4543.CU
Kap 80 Plus
■ 05.7463.CU

18° SPOT



Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@Kap 80 Plus

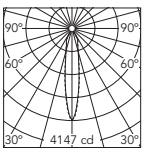
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4081	0.32
2	1020	0.63
3	453	0.95
4	255	1.26
5	163	1.58

3000K

Kap 80
☐ 03.4542.B1
Kap 80 Plus
☐ 05.7462.B1

18° SPOT



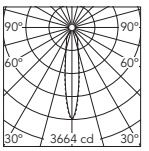
Luminous flux luminaire
1122 lm (EXTREME CUT OFF)

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

Kap 80
■ 03.4542.GL
Kap 80 Plus
■ 05.7462.GL

17° SPOT



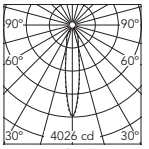
Luminous flux luminaire
937 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3664	0.31
2	916	0.62
3	407	0.92
4	229	1.23
5	147	1.54

Kap 80
■ 03.4542.BU
Kap 80 Plus
■ 05.7462.BU

18° SPOT



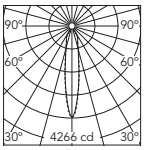
Luminous flux luminaire
1024 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4026	0.31
2	1006	0.62
3	447	0.93
4	252	1.24
5	161	1.55

Kap 80
■ 03.4542.74
Kap 80 Plus
■ 05.7462.74

18° SPOT



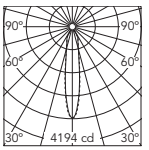
Luminous flux luminaire
1080 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4266	0.31
2	1066	0.62
3	474	0.93
4	267	1.24
5	171	1.54

Kap 80
■ 03.4542.CU
Kap 80 Plus
■ 05.7462.CU

18° SPOT



Luminous flux luminaire
1074 lm (EXTREME CUT OFF)
@Kap 80 Plus

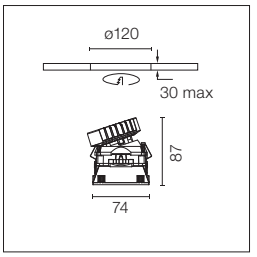
Beam Angle: 18°

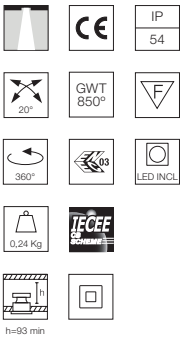
h(m)	E(lx)	D(m)
1	4194	0.32
2	1049	0.63
3	466	0.95
4	262	1.26
5	168	1.58

Kap 80 Square Adjustable - Optic Spot - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







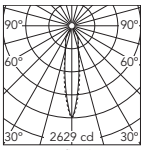
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4542.B1.LE

18° SPOT



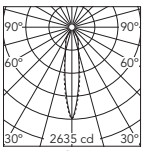
Luminous flux luminaire
754 lm (EXTREME CUT OFF)

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

■ 03.4542.GL.LE

18° SPOT



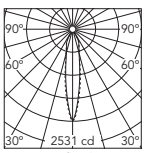
Luminous flux luminaire
728 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2635	0.32
2	659	0.63
3	293	0.95
4	165	1.26
5	105	1.58

■ 03.4542.BU.LE

18° SPOT



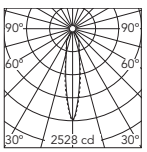
Luminous flux luminaire
684 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2531	0.31
2	633	0.63
3	281	0.94
4	158	1.26
5	101	1.57

■ 03.4542.74.LE

18° SPOT



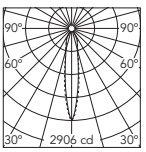
Luminous flux luminaire
685 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2528	0.31
2	632	0.63
3	281	0.94
4	158	1.25
5	101	1.57

■ 03.4542.CU.LE

17° SPOT



Luminous flux luminaire
721 lm (EXTREME CUT OFF)

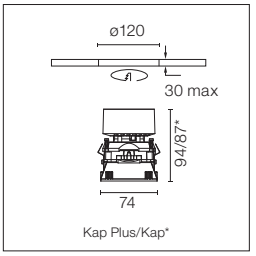
Beam Angle: 17°

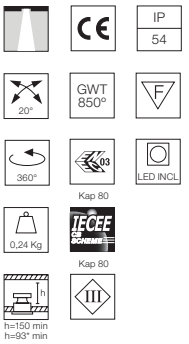
h(m)	E(lx)	D(m)
1	2906	0.30
2	726	0.59
3	323	0.89
4	182	1.18
5	116	1.48

Kap 80/Kap 80 Plus Square - Adjustable - Optic Medium

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

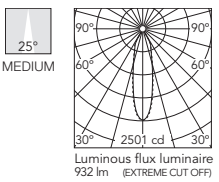
Recommended power supply / Equipos recomendados*:

	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4187.B1
Kap 80 Plus
☐ 05.7417.B1

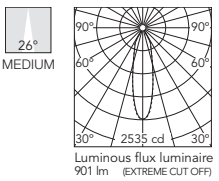


Luminous flux luminaire
932 lm (EXTREME CUT OFF)

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

Kap 80
03.4187.GL
Kap 80 Plus
05.7417.GL

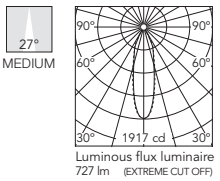


Luminous flux luminaire
901 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2535	0.46
2	634	0.91
3	282	1.37
4	158	1.83
5	101	2.28

Kap 80
03.4187.BU
Kap 80 Plus
05.7417.BU

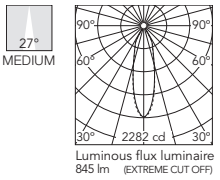


Luminous flux luminaire
727 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1917	0.47
2	479	0.94
3	213	1.41
4	120	1.88
5	77	2.36

Kap 80
03.4187.74
Kap 80 Plus
05.7417.74

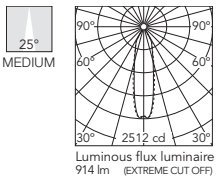


Luminous flux luminaire
845 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2282	0.49
2	570	0.97
3	254	1.46
4	143	1.94
5	91	2.43

Kap 80
03.4187.CU
Kap 80 Plus
05.7417.CU



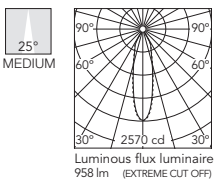
Luminous flux luminaire
914 lm (EXTREME CUT OFF)
@Kap 80 Plus

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2512	0.44
2	628	0.87
3	279	1.31
4	157	1.75
5	100	2.18

3000K

Kap 80
☐ 03.4186.B1
Kap 80 Plus
☐ 05.7416.B1

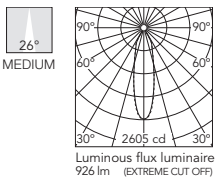


Luminous flux luminaire
958 lm (EXTREME CUT OFF)

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

Kap 80
03.4186.GL
Kap 80 Plus
05.7416.GL

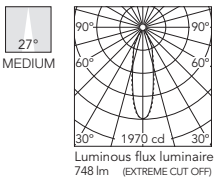


Luminous flux luminaire
926 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2605	0.46
2	651	0.91
3	289	1.37
4	163	1.83
5	104	2.28

Kap 80
03.4186.BU
Kap 80 Plus
05.7416.BU

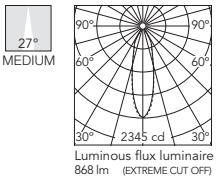


Luminous flux luminaire
748 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1970	0.47
2	492	0.94
3	219	1.41
4	123	1.88
5	79	2.36

Kap 80
03.4186.74
Kap 80 Plus
05.7416.74

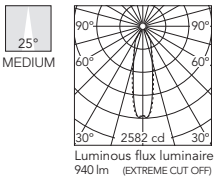


Luminous flux luminaire
868 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2345	0.49
2	586	0.97
3	261	1.46
4	147	1.94
5	94	2.43

Kap 80
03.4186.CU
Kap 80 Plus
05.7416.CU



Luminous flux luminaire
940 lm (EXTREME CUT OFF)
@Kap 80 Plus

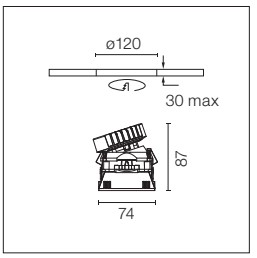
Beam Angle: 25°

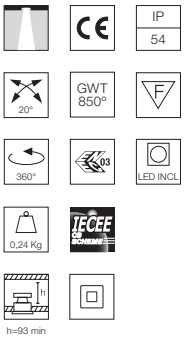
h(m)	E(lx)	D(m)
1	2582	0.44
2	645	0.87
3	287	1.31
4	161	1.75
5	103	2.18

Kap 80 Square Adjustable - Optic Medium - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







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.

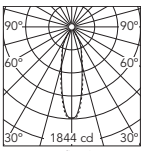
Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4186.B1.LE



MEDIUM



Luminous flux luminaire
752 lm (EXTREME CUT OFF)

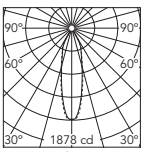
Beam Angle: 26°

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

03.4186.GL.LE



MEDIUM



Luminous flux luminaire
735 lm (EXTREME CUT OFF)

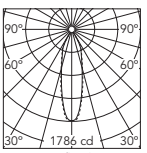
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1878	0.47
2	470	0.95
3	209	1.42
4	117	1.89
5	75	2.37

03.4186.BU.LE



MEDIUM



Luminous flux luminaire
696 lm (EXTREME CUT OFF)

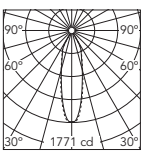
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1786	0.47
2	447	0.95
3	198	1.42
4	112	1.89
5	71	2.37

03.4186.74.LE



MEDIUM



Luminous flux luminaire
685 lm (EXTREME CUT OFF)

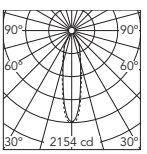
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1771	0.48
2	443	0.96
3	197	1.44
4	111	1.93
5	71	2.41

03.4186.CU.LE



MEDIUM



Luminous flux luminaire
726 lm (EXTREME CUT OFF)

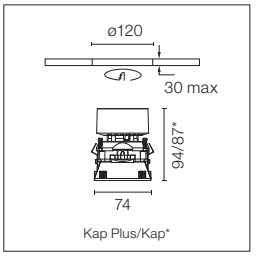
Beam Angle: 22°

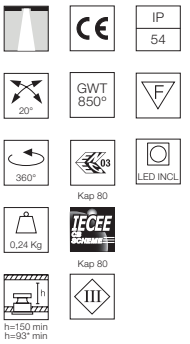
h(m)	E(lx)	D(m)
1	2154	0.40
2	538	0.79
3	239	1.19
4	135	1.59
5	86	1.98

Kap 80/Kap 80 Plus Square - Adjustable - Optic Flood

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

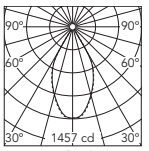
	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4545.B1
Kap 80 Plus
☐ 05.7465.B1

53° FLOOD



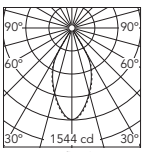
Luminous flux luminaire
1068 lm (EXTREME CUT OFF)

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

Kap 80
03.4545.GL
Kap 80 Plus
05.7465.GL

50° FLOOD



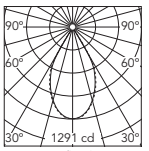
Luminous flux luminaire
1032 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1544	0.93
2	386	1.86
3	172	2.79
4	96	3.72
5	62	4.65

Kap 80
03.4545.BU
Kap 80 Plus
05.7465.BU

55° FLOOD



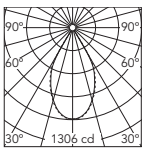
Luminous flux luminaire
960 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1291	1.05
2	323	2.09
3	143	3.14
4	81	4.19
5	52	5.23

Kap 80
03.4545.74
Kap 80 Plus
05.7465.74

55° FLOOD



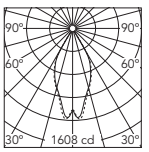
Luminous flux luminaire
950 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1306	1.04
2	326	2.08
3	145	3.11
4	82	4.15
5	52	5.19

Kap 80
03.4545.CU
Kap 80 Plus
05.7465.CU

48° FLOOD



Luminous flux luminaire
1009 lm (EXTREME CUT OFF)
@Kap 80 Plus

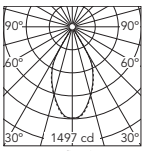
Beam Angle: 48°

h(m)	E(lx)	D(m)
1	1608	0.88
2	402	1.77
3	179	2.65
4	101	3.53
5	64	4.42

3000K

Kap 80
03.4544.B1
PlusPro
05.7464.B1

53° FLOOD



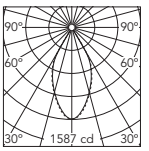
Luminous flux luminaire
1097 lm (EXTREME CUT OFF)

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
03.4544.GL
Kap 80 Plus
05.7464.GL

50° FLOOD



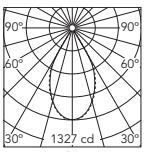
Luminous flux luminaire
1060 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1587	0.93
2	397	1.86
3	176	2.79
4	99	3.72
5	63	4.65

Kap 80
03.4544.BU
Kap 80 Plus
05.7464.BU

55° FLOOD



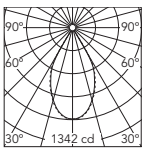
Luminous flux luminaire
986 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1327	1.05
2	332	2.09
3	147	3.14
4	83	4.19
5	53	5.23

Kap 80
03.4544.74
Kap 80 Plus
05.7464.74

55° FLOOD



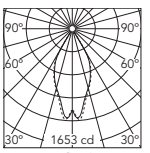
Luminous flux luminaire
976 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1342	1.04
2	335	2.08
3	149	3.11
4	84	4.15
5	54	5.19

Kap 80
03.4544.CU
Kap 80 Plus
05.7464.CU

48° FLOOD



Luminous flux luminaire
1037 lm (EXTREME CUT OFF)
@Kap 80 Plus

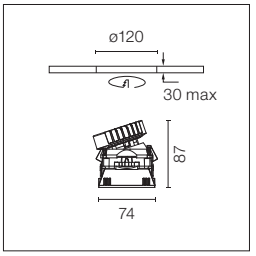
Beam Angle: 48°

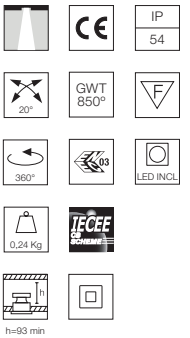
h(m)	E(lx)	D(m)
1	1653	0.88
2	413	1.77
3	184	2.65
4	103	3.53
5	66	4.42

Kap 80 Square Adjustable - Optic Flood - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







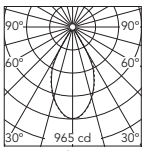
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

☐ 03.4544.B1.LE

53° FLOOD



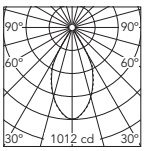
Luminous flux luminaire
732 lm (EXTREME CUT OFF)

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

■ 03.4544.GL.LE

53° FLOOD



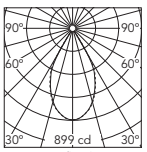
Luminous flux luminaire
720 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1012	0.99
2	253	1.98
3	112	2.97
4	63	3.96
5	40	4.95

■ 03.4544.BU.LE

55° FLOOD



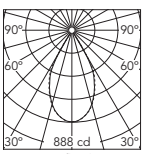
Luminous flux luminaire
669 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	899	1.04
2	225	2.08
3	100	3.12
4	56	4.16
5	36	5.21

■ 03.4544.74.LE

55° FLOOD



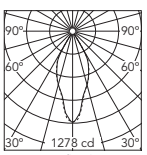
Luminous flux luminaire
660 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	888	1.04
2	222	2.07
3	99	3.11
4	55	4.15
5	36	5.18

■ 03.4544.CU.LE

41° FLOOD



Luminous flux luminaire
707 lm (EXTREME CUT OFF)

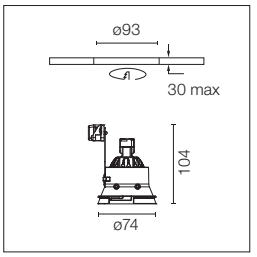
Beam Angle: 41°

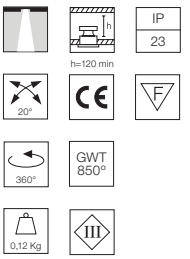
h(m)	E(lx)	D(m)
1	1278	0.75
2	319	1.50
3	142	2.25
4	80	3.00
5	51	3.75

Kap Ø80 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

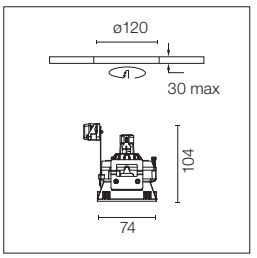
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

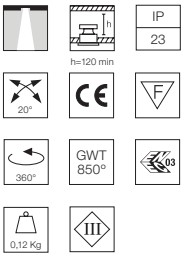
- 03.4236.B1
- 03.4236.GL
- 03.4236.BU
- 03.4236.74
- 03.4236.CU

Kap 80 Square Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

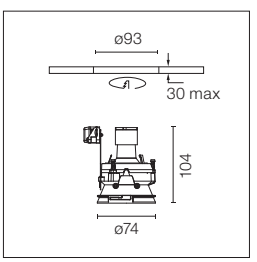
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

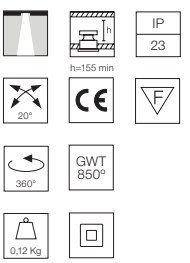
- 03.4234.B1
- 03.4234.GL
- 03.4234.BU
- 03.4234.74
- 03.4234.CU

Kap Ø80 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

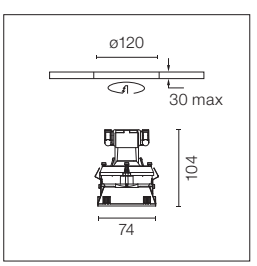
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

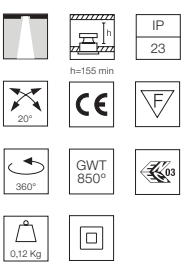
- 03.4237.B1
- 03.4237.GL
- 03.4237.BU
- 03.4237.74
- 03.4237.CU

Kap 80 Square Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

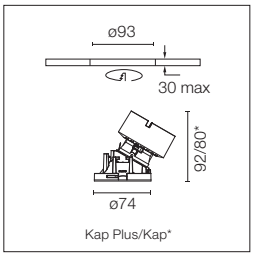
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

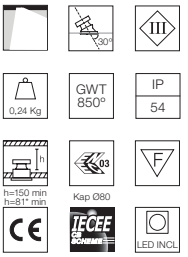
- 03.4235.B1
- 03.4235.GL
- 03.4235.BU
- 03.4235.74
- 03.4235.CU

Kap Ø80/Kap Ø80 Plus - Wall-Washer

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida. Marco de pre-instalación. Se ha de pedir por separado.

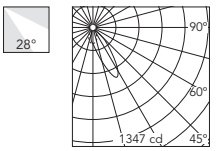
Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap Ø80
☐ 03.4189.B1
Kap Ø80 Plus
☐ 05.7421.B1

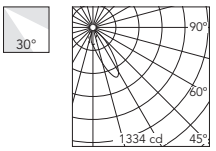


Luminous flux luminaire
884 lm (EXTREME CUT OFF)

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

Kap Ø80
03.4189.GL
Kap Ø80 Plus
05.7421.GL

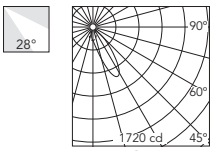


Luminous flux luminaire
838 lm (EXTREME CUT OFF)

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1334	0.67
2	333	1.33
3	148	2.00
4	83	2.67
5	53	3.33

Kap Ø80
03.4189.BU
Kap Ø80 Plus
05.7421.BU

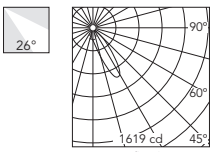


Luminous flux luminaire
938 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1720	0.64
2	430	1.28
3	191	1.91
4	108	2.55
5	69	3.19

Kap Ø80
03.4189.74
Kap Ø80 Plus
05.7421.74

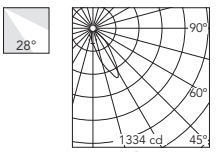


Luminous flux luminaire
806 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1619	0.59
2	405	1.19
3	180	1.78
4	101	2.37
5	65	2.97

Kap Ø80
03.4189.CU
Kap Ø80 Plus
05.7421.CU



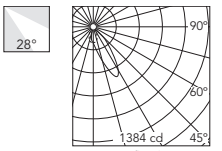
Luminous flux luminaire
882 lm (EXTREME CUT OFF)
@Kap 80 Plus

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1334	0.64
2	333	1.27
3	148	1.91
4	83	2.55
5	53	3.19

3000K

Kap Ø80
☐ 03.4188.B1
Kap Ø80 Plus
☐ 05.7420.B1

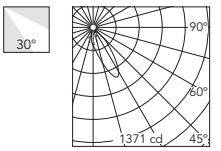


Luminous flux luminaire
908 lm (EXTREME CUT OFF)

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
03.4188.GL
Kap Ø80 Plus
05.7420.GL

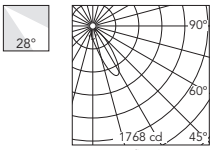


Luminous flux luminaire
861 lm (EXTREME CUT OFF)

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1371	0.67
2	343	1.33
3	152	2.00
4	86	2.67
5	55	3.33

Kap Ø80
03.4188.BU
Kap Ø80 Plus
05.7420.BU

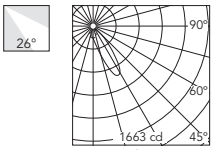


Luminous flux luminaire
964 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1768	0.64
2	442	1.28
3	196	1.91
4	110	2.55
5	71	3.19

Kap Ø80
03.4188.74
Kap Ø80 Plus
05.7420.74

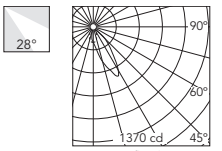


Luminous flux luminaire
828 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1663	0.59
2	416	1.19
3	185	1.78
4	104	2.37
5	67	2.97

Kap Ø80
03.4188.CU
Kap Ø80 Plus
05.7420.CU



Luminous flux luminaire
906 lm (EXTREME CUT OFF)
@Kap 80 Plus

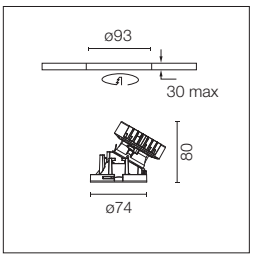
Beam Angle: 28°

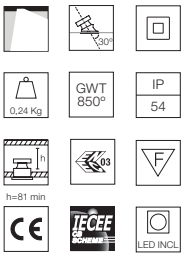
h(m)	E(lx)	D(m)
1	1370	0.64
2	343	1.27
3	152	1.91
4	86	2.55
5	55	3.19

Kap Ø80 Wall-Washer - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







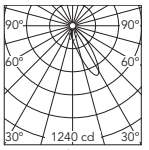
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

03.4188.B1.LE

28°



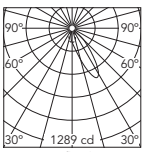
Luminous flux luminaire
770 lm (EXTREME CUT OFF)

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

03.4188.GL.LE

27°



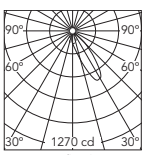
Luminous flux luminaire
718 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1289	0.63
2	322	1.25
3	143	1.88
4	81	2.50
5	52	3.13

03.4188.BU.LE

28°



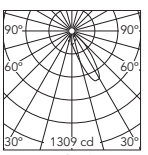
Luminous flux luminaire
672 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1270	0.65
2	317	1.30
3	141	1.96
4	79	2.61
5	51	3.26

03.4188.74.LE

28°



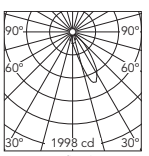
Luminous flux luminaire
682 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1309	0.64
2	327	1.28
3	145	1.92
4	82	2.56
5	52	3.20

03.4188.CU.LE

27°



Luminous flux luminaire
712 lm (EXTREME CUT OFF)

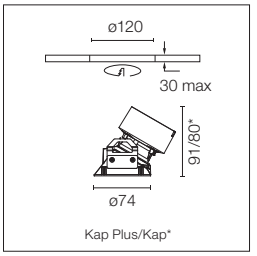
Beam Angle: 27°

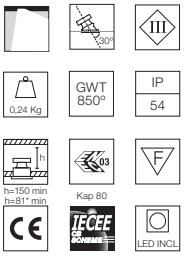
h(m)	E(lx)	D(m)
1	1998	0.60
2	500	1.20
3	222	1.80
4	125	2.40
5	80	3.00

Kap 80/Kap 80 Plus - Square Wall-Washer

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

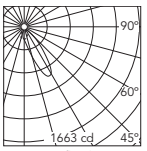
	Kap 80	Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Kap 80
☐ 03.4191.B1
Kap 80 Plus
☐ 05.7423.B1

27°



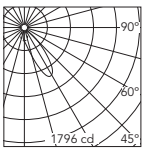
Luminous flux luminaire
924 lm (EXTREME CUT OFF)

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

Kap 80
☐ 03.4191.GL
Kap 80 Plus
☐ 05.7423.GL

28°



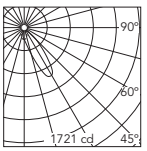
Luminous flux luminaire
1051 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1796	0.68
2	449	1.36
3	200	2.04
4	112	2.72
5	72	3.40

Kap 80
☐ 03.4191.BU
Kap 80 Plus
☐ 05.7423.BU

26°



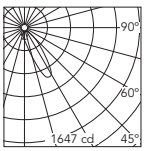
Luminous flux luminaire
904 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1721	0.63
2	430	1.25
3	191	1.88
4	108	2.51
5	69	3.14

Kap 80
☐ 03.4191.74
Kap 80 Plus
☐ 05.7423.74

26°



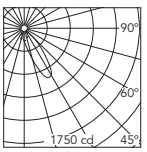
Luminous flux luminaire
844 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1647	0.59
2	412	1.19
3	183	1.78
4	103	2.37
5	66	2.97

Kap 80
☐ 03.4191.CU
Kap 80 Plus
☐ 05.7423.CU

28°



Luminous flux luminaire
932 lm (EXTREME CUT OFF)
@Kap 80 Plus

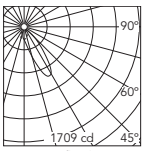
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1750	0.64
2	437	1.29
3	194	1.93
4	109	2.57
5	70	3.21

3000K

Kap 80
☐ 03.4190.B1
Kap 80 Plus
☐ 05.7422.B1

27°



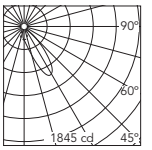
Luminous flux luminaire
950 lm (EXTREME CUT OFF)

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
☐ 03.4190.GL
Kap 80 Plus
☐ 05.7422.GL

28°



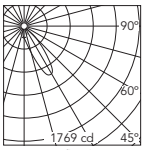
Luminous flux luminaire
1080 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1845	0.68
2	461	1.36
3	205	2.04
4	115	2.72
5	74	3.40

Kap 80
☐ 03.4190.BU
Kap 80 Plus
☐ 05.7422.BU

26°



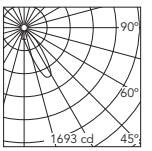
Luminous flux luminaire
929 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1769	0.63
2	442	1.25
3	197	1.88
4	111	2.51
5	71	3.14

Kap 80
☐ 03.4190.74
Kap 80 Plus
☐ 05.7422.74

26°



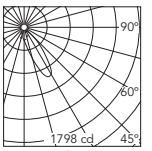
Luminous flux luminaire
867 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1693	0.59
2	423	1.19
3	188	1.78
4	106	2.37
5	68	2.97

Kap 80
☐ 03.4190.CU
Kap 80 Plus
☐ 05.7422.CU

28°



Luminous flux luminaire
958 lm (EXTREME CUT OFF)
@Kap 80 Plus

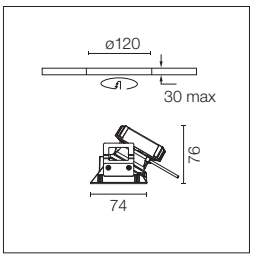
Beam Angle: 28°

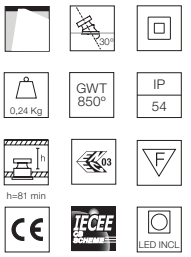
h(m)	E(lx)	D(m)
1	1798	0.64
2	450	1.29
3	200	1.93
4	112	2.57
5	72	3.21

Kap 80 Square Wall-Washer - Dim To Warm

Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm







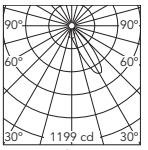
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

03.4190.B1.LE

28°



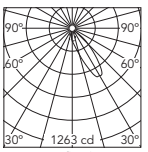
Luminous flux luminaire
723 lm (EXTREME CUT OFF)

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

03.4190.GL.LE

28°



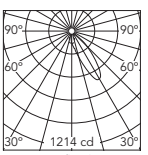
Luminous flux luminaire
721 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1263	0.69
2	316	1.38
3	140	2.07
4	79	2.75
5	51	3.44

03.4190.BU.LE

28°



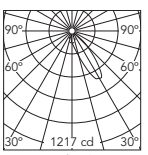
Luminous flux luminaire
632 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1214	0.68
2	304	1.35
3	135	2.03
4	76	2.71
5	49	3.39

03.4190.74.LE

27°



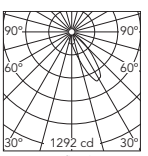
Luminous flux luminaire
695 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1217	0.66
2	304	1.33
3	135	1.99
4	76	2.66
5	49	3.32

03.4190.CU.LE

29°



Luminous flux luminaire
735 lm (EXTREME CUT OFF)

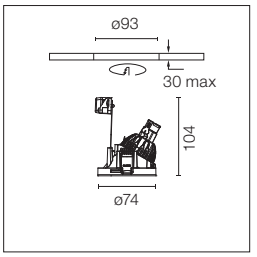
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1292	0.70
2	323	1.40
3	144	2.10
4	81	2.80
5	52	3.50

Kap Ø80 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

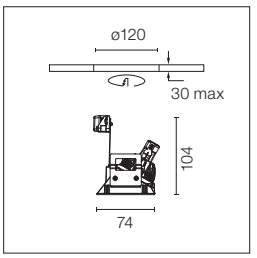
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4244.B1
- 03.4244.GL
- 03.4244.BU
- 03.4244.74
- 03.4244.CU

Kap 80 Square Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

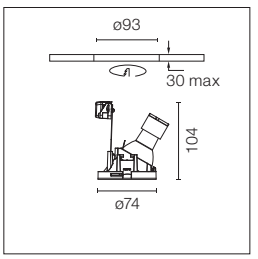
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

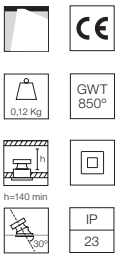
- 03.4242.B1
- 03.4242.GL
- 03.4242.BU
- 03.4242.74
- 03.4242.CU

Kap Ø80 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

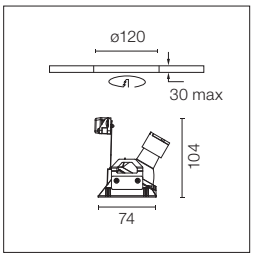
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4245.B1
- 03.4245.GL
- 03.4245.BU
- 03.4245.74
- 03.4245.CU

Kap 80 Square Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

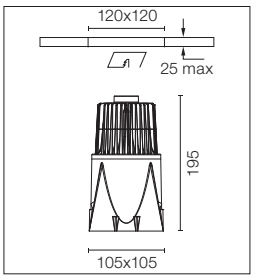
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

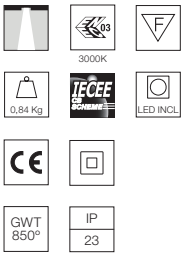
- 03.4243.B1
- 03.4243.GL
- 03.4243.BU
- 03.4243.74
- 03.4243.CU

Kap 105 Square

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98







Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

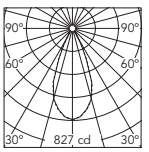
2700K

Non Dimmable
- 03.4595.B1C

Dali Version
- 03.4595.B1CDA

1-10V
- 03.4595.B1C1V

45°



Luminous flux luminaire 592 lm (EXTREME CUT OFF)

Beam Angle: 45°

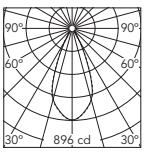
h(m)	E(lx)	D(m)
1	827	0.82
2	207	1.64
3	92	2.46
4	52	3.28
5	33	4.11

Non Dimmable
- 03.4595.GLC

Dali Version
- 03.4595.GLCDA

1-10V
- 03.4595.GLC1V

45°



Luminous flux luminaire 581 lm (EXTREME CUT OFF)

Beam Angle: 45°

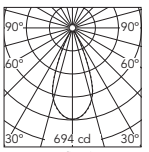
h(m)	E(lx)	D(m)
1	896	0.82
2	224	1.64
3	100	2.47
4	56	3.29
5	36	4.11

Non Dimmable
- 03.4595.BUC

Dali Version
- 03.4595.BUCDA

1-10V
- 03.4595.BUC1V

44°



Luminous flux luminaire 388 lm (EXTREME CUT OFF)

Beam Angle: 44°

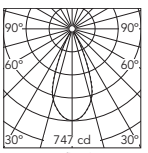
h(m)	E(lx)	D(m)
1	694	0.80
2	174	1.61
3	77	2.41
4	43	3.21
5	28	4.02

Non Dimmable
- 03.4595.74C

Dali Version
- 03.4595.74CDA

1-10V
- 03.4595.74C1V

44°



Luminous flux luminaire 410 lm (EXTREME CUT OFF)

Beam Angle: 44°

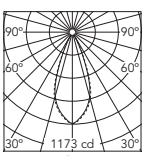
h(m)	E(lx)	D(m)
1	747	0.80
2	187	1.60
3	83	2.40
4	47	3.19
5	30	3.99

Non Dimmable
- 03.4595.CUC

Dali Version
- 03.4595.CUCDA

1-10V
- 03.4595.CUC1V

41°



Luminous flux luminaire 585 lm (EXTREME CUT OFF)

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1173	0.74
2	293	1.48
3	130	2.22
4	73	2.96
5	47	3.69

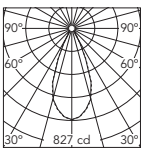
3000K

Non Dimmable
- 03.4570.B1C

Dali Version
- 03.4570.B1CDA

1-10V
- 03.4570.B1C1V

45°



Luminous flux luminaire 592 lm (EXTREME CUT OFF)

Beam Angle: 45°

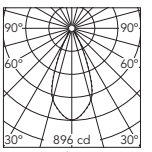
h(m)	E(lx)	D(m)
1	827	0.82
2	207	1.64
3	92	2.46
4	52	3.28
5	33	4.11

Non Dimmable
- 03.4570.GLC

Dali Version
- 03.4570.GLCDA

1-10V
- 03.4570.GLC1V

45°



Luminous flux luminaire 581 lm (EXTREME CUT OFF)

Beam Angle: 45°

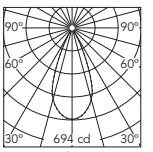
h(m)	E(lx)	D(m)
1	896	0.82
2	224	1.64
3	100	2.47
4	56	3.29
5	36	4.11

Non Dimmable
- 03.4570.BUC

Dali Version
- 03.4570.BUCDA

1-10V
- 03.4570.BUC1V

44°



Luminous flux luminaire 388 lm (EXTREME CUT OFF)

Beam Angle: 44°

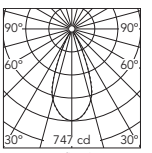
h(m)	E(lx)	D(m)
1	694	0.80
2	174	1.61
3	77	2.41
4	43	3.21
5	28	4.02

Non Dimmable
- 03.4570.74C

Dali Version
- 03.4570.74CDA

1-10V
- 03.4570.74C1V

44°



Luminous flux luminaire 410 lm (EXTREME CUT OFF)

Beam Angle: 44°

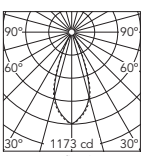
h(m)	E(lx)	D(m)
1	747	0.80
2	187	1.60
3	83	2.40
4	47	3.19
5	30	3.99

Non Dimmable
- 03.4570.CUC

Dali Version
- 03.4570.CUCDA

1-10V
- 03.4570.CUC1V

41°



Luminous flux luminaire 585 lm (EXTREME CUT OFF)

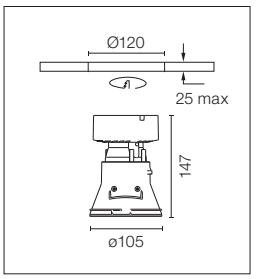
Beam Angle: 41°

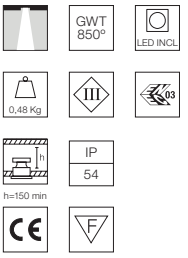
h(m)	E(lx)	D(m)
1	1173	0.74
2	293	1.48
3	130	2.22
4	73	2.96
5	47	3.69

Kap Ø105 Fixed - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

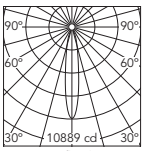
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7100.B1

17° SPOT



Luminous flux luminaire
1715 lm (EXTREME CUT OFF)

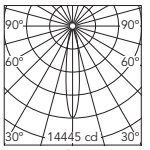
Beam Angle: 17°

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

3000K

☐ 05.7105.B1

17° SPOT



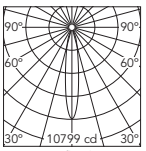
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)

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

05.7100.GL

17° SPOT



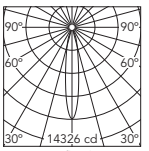
Luminous flux luminaire
1651 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10799	0.29
2	2700	0.59
3	1200	0.88
4	675	1.17
5	432	1.47

05.7105.GL

17° SPOT



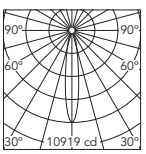
Luminous flux luminaire
2190 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14326	0.29
2	3581	0.59
3	1592	0.88
4	895	1.17
5	573	1.47

05.7100.BU

17° SPOT



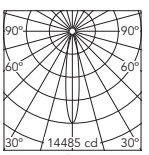
Luminous flux luminaire
1685 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10919	0.29
2	2730	0.59
3	1213	0.88
4	682	1.18
5	437	1.47

05.7105.BU

17° SPOT



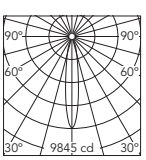
Luminous flux luminaire
2235 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14485	0.29
2	3621	0.59
3	1609	0.88
4	905	1.18
5	579	1.47

05.7100.74

16° SPOT



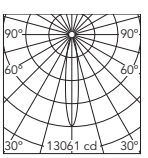
Luminous flux luminaire
1421 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	9845	0.29
2	2461	0.57
3	1094	0.86
4	615	1.14
5	394	1.43

05.7105.74

16° SPOT



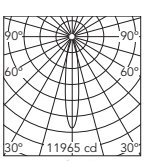
Luminous flux luminaire
1884 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13061	0.29
2	3265	0.57
3	1451	0.86
4	816	1.14
5	522	1.43

05.7100.CU

17° SPOT



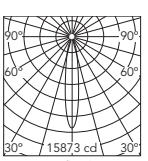
Luminous flux luminaire
1885 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	11965	0.30
2	2991	0.59
3	1329	0.89
4	748	1.18
5	479	1.48

05.7105.CU

17° SPOT



Luminous flux luminaire
2500 lm (EXTREME CUT OFF)

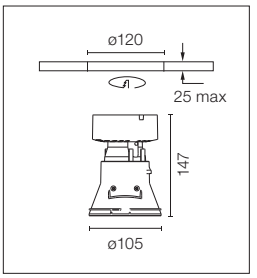
Beam Angle: 17°

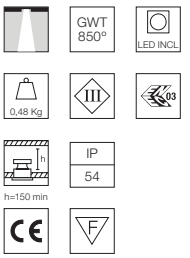
h(m)	E(lx)	D(m)
1	15873	0.30
2	3968	0.59
3	1763	0.89
4	993	1.18
5	635	1.48

Kap Ø105 Fixed - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

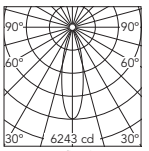
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7101.B1

27° MEDIUM



Luminous flux luminaire
1675 lm (EXTREME CUT OFF)

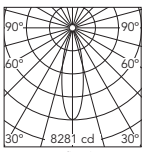
Beam Angle: 27°

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

3000K

☐ 05.7106.B1

27° MEDIUM



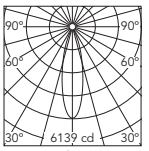
Luminous flux luminaire
2222 lm (EXTREME CUT OFF)

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

05.7101.GL

26° MEDIUM



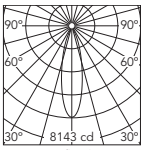
Luminous flux luminaire
1528 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

05.7106.GL

26° MEDIUM



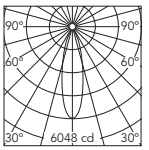
Luminous flux luminaire
2026 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

05.7101.BU

27° MEDIUM



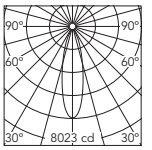
Luminous flux luminaire
1596 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

05.7106.BU

27° MEDIUM



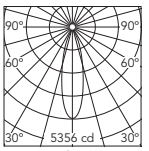
Luminous flux luminaire
2118 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

05.7101.74

27° MEDIUM



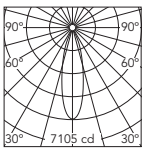
Luminous flux luminaire
1376 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	5356	0.48
2	1339	0.96
3	595	1.44
4	335	1.92
5	214	2.40

05.7106.74

27° MEDIUM



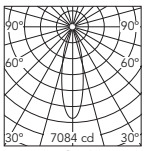
Luminous flux luminaire
1825 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7105	0.48
2	1776	0.96
3	789	1.44
4	444	1.92
5	284	2.40

05.7101.CU

27° MEDIUM



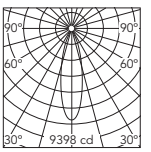
Luminous flux luminaire
1901 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7084	0.48
2	1772	0.97
3	787	1.45
4	443	1.93
5	283	2.41

05.7106.CU

27° MEDIUM



Luminous flux luminaire
2522 lm (EXTREME CUT OFF)

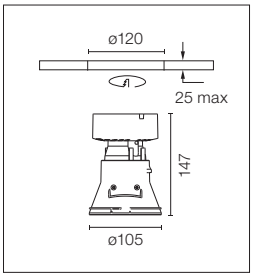
Beam Angle: 27°

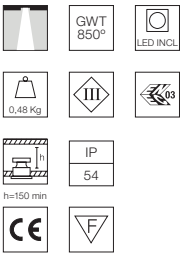
h(m)	E(lx)	D(m)
1	9398	0.48
2	2351	0.97
3	1044	1.45
4	588	1.93
5	376	2.41

Kap Ø105 Fixed - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

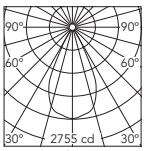
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7102.B1

51° FLOOD



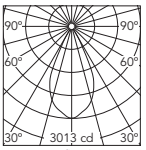
Luminous flux luminaire
1815 lm (EXTREME CUT OFF)

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

■ 05.7102.GL

50° FLOOD



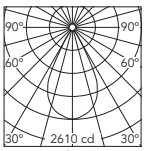
Luminous flux luminaire
1786 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3013	0.93
2	753	1.86
3	335	2.79
4	188	3.72
5	121	4.65

■ 05.7102.BU

53° FLOOD



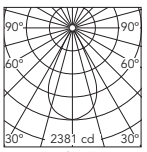
Luminous flux luminaire
1753 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2610	1.01
2	652	2.01
3	290	3.02
4	163	4.03
5	104	5.04

■ 05.7102.74

51° FLOOD



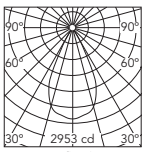
Luminous flux luminaire
1497 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2381	0.95
2	595	1.91
3	265	2.86
4	149	3.82
5	95	4.77

■ 05.7102.CU

51° FLOOD



Luminous flux luminaire
1945 lm (EXTREME CUT OFF)

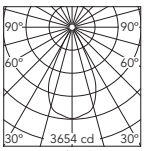
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2953	0.96
2	739	1.91
3	329	2.87
4	185	3.82
5	119	4.78

3000K

☐ 05.7107.B1

51° FLOOD



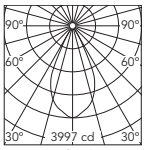
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)

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

■ 05.7107.GL

50° FLOOD



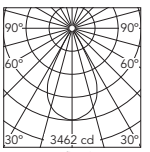
Luminous flux luminaire
2370 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3997	0.93
2	999	1.86
3	444	2.79
4	250	3.72
5	160	4.65

■ 05.7107.BU

53° FLOOD



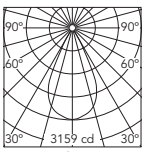
Luminous flux luminaire
2326 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3462	1.01
2	866	2.01
3	385	3.02
4	216	4.03
5	138	5.04

■ 05.7107.74

51° FLOOD



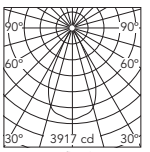
Luminous flux luminaire
1985 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3159	0.95
2	790	1.91
3	351	2.86
4	197	3.82
5	126	4.77

■ 05.7107.CU

51° FLOOD



Luminous flux luminaire
2581 lm (EXTREME CUT OFF)

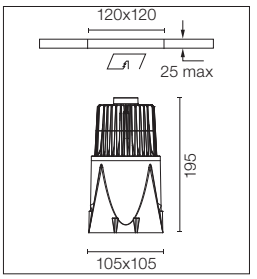
Beam Angle: 51°

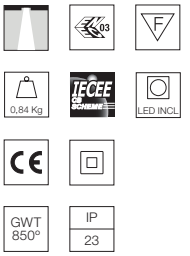
h(m)	E(lx)	D(m)
1	3917	0.96
2	981	1.91
3	436	2.87
4	245	3.82
5	157	4.78

Kap 105 Square

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90





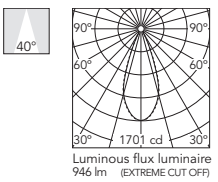


Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

2700K

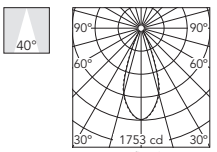
Non Dimmable
☐ 03.4583.B1
Dali Version
☐ 03.4583.B1.DA
1-10V
☐ 03.4583.B1.1V



Luminous flux luminaire
946 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1701	0.72
2	425	1.44
3	189	2.16
4	106	2.87
5	68	3.59

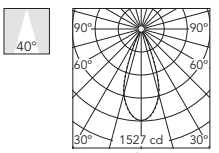
Non Dimmable
■ 03.4583.GL
Dali Version
■ 03.4583.GL.DA
1-10V
■ 03.4583.GL.1V



Luminous flux luminaire
921 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1753	0.73
2	438	1.46
3	195	2.18
4	110	2.91
5	70	3.64

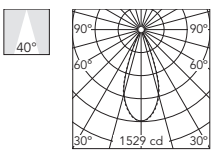
Non Dimmable
■ 03.4583.BU
Dali Version
■ 03.4583.BU.DA
1-10V
■ 03.4583.BU.1V



Luminous flux luminaire
708 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1527	0.72
2	382	1.44
3	170	2.16
4	95	2.88
5	61	3.60

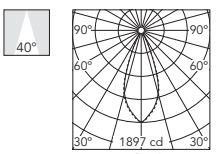
Non Dimmable
■ 03.4583.74
Dali Version
■ 03.4583.74.DA
1-10V
■ 03.4583.74.1V



Luminous flux luminaire
703 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1529	0.72
2	382	1.44
3	170	2.16
4	96	2.88
5	61	3.60

Non Dimmable
■ 03.4583.CU
Dali Version
■ 03.4583.CU.DA
1-10V
■ 03.4583.CU.1V

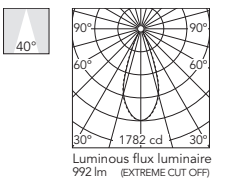


Luminous flux luminaire
882 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1897	0.72
2	474	1.44
3	211	2.16
4	119	2.88
5	76	3.60

3000K

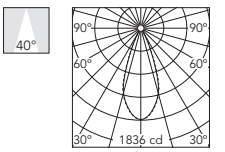
Non Dimmable
☐ 03.4582.B1
Dali Version
☐ 03.4582.B1.DA
1-10V
☐ 03.4582.B1.1V



Luminous flux luminaire
992 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1782	0.72
2	446	1.44
3	198	2.16
4	111	2.87
5	71	3.59

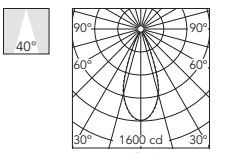
Non Dimmable
■ 03.4582.GL
Dali Version
■ 03.4582.GL.DA
1-10V
■ 03.4582.GL.1V



Luminous flux luminaire
965 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1836	0.73
2	459	1.46
3	204	2.18
4	115	2.91
5	73	3.64

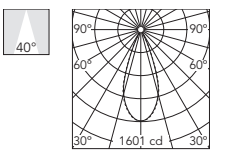
Non Dimmable
■ 03.4582.BU
Dali Version
■ 03.4582.BU.DA
1-10V
■ 03.4582.BU.1V



Luminous flux luminaire
742 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1600	0.72
2	400	1.44
3	178	2.16
4	100	2.88
5	64	3.60

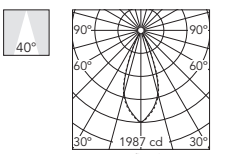
Non Dimmable
■ 03.4582.74
Dali Version
■ 03.4582.74.DA
1-10V
■ 03.4582.74.1V



Luminous flux luminaire
736 lm (EXTREME CUT OFF)

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1601	0.72
2	400	1.44
3	178	2.16
4	100	2.88
5	64	3.60

Non Dimmable
■ 03.4582.CU
Dali Version
■ 03.4582.CU.DA
1-10V
■ 03.4582.CU.1V



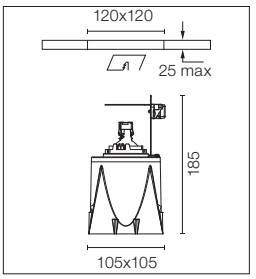
Luminous flux luminaire
924 lm (EXTREME CUT OFF)

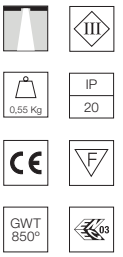
Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	1987	0.72
2	497	1.44
3	221	2.16
4	124	2.88
5	79	3.60

Kap 105 Square

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

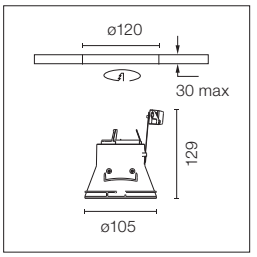
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4572.B1
- 03.4572.GL
- 03.4572.BU
- 03.4572.74
- 03.4572.CU

Kap Ø105 Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

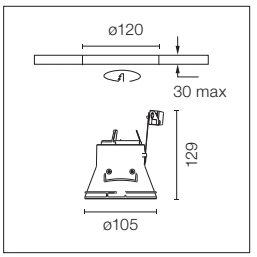
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

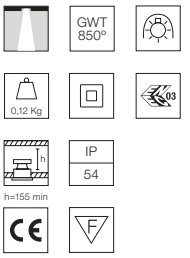
- 05.7130.B1
- 05.7130.GL
- 05.7130.BU
- 05.7130.74
- 05.7130.CU

Kap Ø105 Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

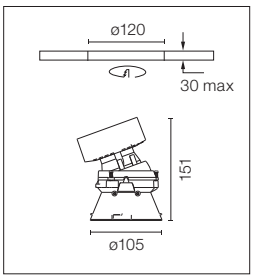
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

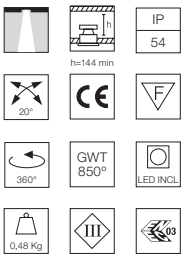
- 05.7131.B1
- 05.7131.GL
- 05.7131.BU
- 05.7131.74
- 05.7131.CU

Kap Ø105 Adjustable - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

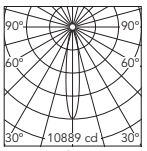
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7110.B1

17° SPOT



Luminous flux luminaire
1715 lm (EXTREME CUT OFF)

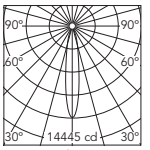
Beam Angle: 17°

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

3000K

☐ 05.7115.B1

17° SPOT



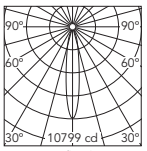
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)

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

05.7110.GL

17° SPOT



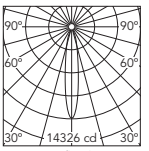
Luminous flux luminaire
1651 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10799	0.29
2	2700	0.59
3	1200	0.88
4	675	1.17
5	432	1.47

05.7115.GL

17° SPOT



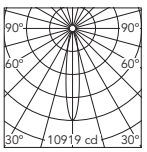
Luminous flux luminaire
2190 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14326	0.29
2	3581	0.59
3	1592	0.88
4	895	1.17
5	573	1.47

05.7110.BU

17° SPOT



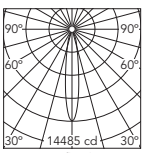
Luminous flux luminaire
1685 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10919	0.29
2	2730	0.59
3	1213	0.88
4	682	1.18
5	437	1.47

05.7115.BU

17° SPOT



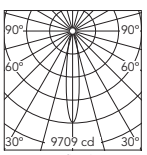
Luminous flux luminaire
2235 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14485	0.29
2	3621	0.59
3	1609	0.88
4	905	1.18
5	579	1.47

05.7110.74

16° SPOT



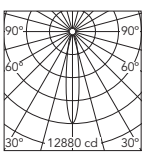
Luminous flux luminaire
1455 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	9709	0.29
2	2427	0.57
3	1079	0.86
4	607	1.15
5	388	1.43

05.7115.74

16° SPOT



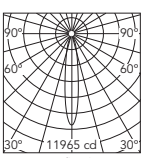
Luminous flux luminaire
1930 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12880	0.29
2	3220	0.57
3	1431	0.86
4	805	1.15
5	515	1.43

05.7110.CU

17° SPOT



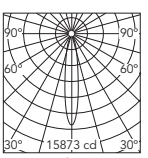
Luminous flux luminaire
1885 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	11965	0.30
2	2991	0.59
3	1329	0.89
4	748	1.18
5	479	1.48

05.7115.CU

17° SPOT



Luminous flux luminaire
2500 lm (EXTREME CUT OFF)

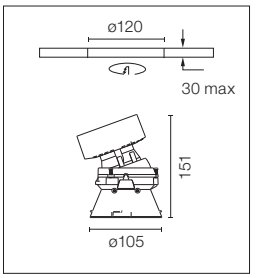
Beam Angle: 17°

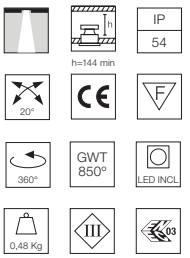
h(m)	E(lx)	D(m)
1	15873	0.30
2	3968	0.59
3	1763	0.89
4	993	1.18
5	635	1.48

Kap Ø105 Adjustable - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

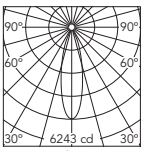
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7111.B1

27° MEDIUM



Luminous flux luminaire
1675 lm (EXTREME CUT OFF)

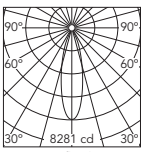
Beam Angle: 27°

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

3000K

☐ 05.7116.B1

27° MEDIUM



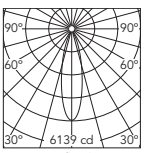
Luminous flux luminaire
2222 lm (EXTREME CUT OFF)

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

■ 05.7111.GL

26° MEDIUM



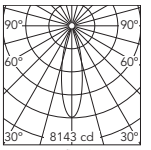
Luminous flux luminaire
1528 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

■ 05.7116.GL

26° MEDIUM



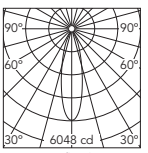
Luminous flux luminaire
2026 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

■ 05.7111.BU

27° MEDIUM



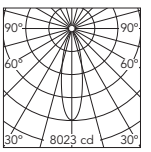
Luminous flux luminaire
1596 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

■ 05.7116.BU

27° MEDIUM



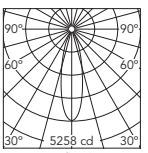
Luminous flux luminaire
2118 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

■ 05.7111.74

27° MEDIUM



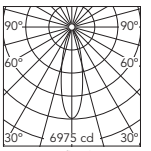
Luminous flux luminaire
1410 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	5258	0.48
2	1314	0.96
3	584	1.44
4	329	1.92
5	210	2.40

■ 05.7116.74

27° MEDIUM



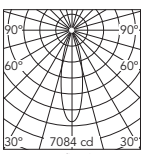
Luminous flux luminaire
1871 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6975	0.48
2	1744	0.96
3	775	1.44
4	436	1.92
5	279	2.40

■ 05.7111.CU

27° MEDIUM



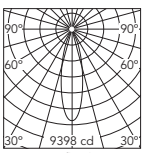
Luminous flux luminaire
1901 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7084	0.48
2	1772	0.97
3	787	1.45
4	443	1.93
5	283	2.41

■ 05.7116.CU

27° MEDIUM



Luminous flux luminaire
2522 lm (EXTREME CUT OFF)

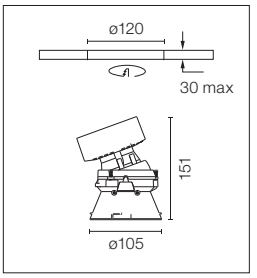
Beam Angle: 27°

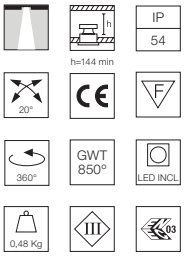
h(m)	E(lx)	D(m)
1	9398	0.48
2	2351	0.97
3	1044	1.45
4	588	1.93
5	376	2.41

Kap Ø105 Adjustable - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

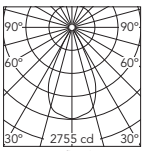
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7112.B1

51° FLOOD



Luminous flux luminaire
1815 lm (EXTREME CUT OFF)

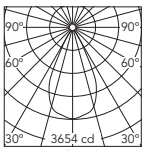
Beam Angle: 51°

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

3000K

☐ 05.7117.B1

51° FLOOD



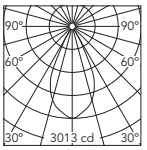
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)

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

■ 05.7112.GL

50° FLOOD



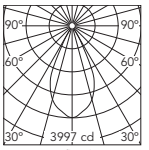
Luminous flux luminaire
1786 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3013	0.93
2	753	1.86
3	335	2.79
4	188	3.72
5	121	4.65

■ 05.7117.GL

50° FLOOD



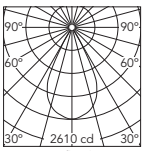
Luminous flux luminaire
2370 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3997	0.93
2	999	1.86
3	444	2.79
4	250	3.72
5	160	4.65

■ 05.7112.BU

53° FLOOD



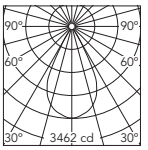
Luminous flux luminaire
1753 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2610	1.01
2	652	2.01
3	290	3.02
4	163	4.03
5	104	5.04

■ 05.7117.BU

53° FLOOD



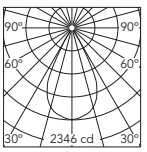
Luminous flux luminaire
2326 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3462	1.01
2	866	2.01
3	385	3.02
4	216	4.03
5	138	5.04

■ 05.7112.74

53° FLOOD



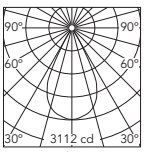
Luminous flux luminaire
1566 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2346	1.00
2	587	2.01
3	261	3.01
4	147	4.02
5	94	5.02

■ 05.7117.74

53° FLOOD



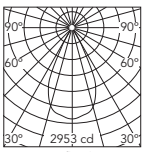
Luminous flux luminaire
2077 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3112	1.00
2	778	2.01
3	346	3.01
4	195	4.02
5	124	5.02

■ 05.7112.CU

51° FLOOD



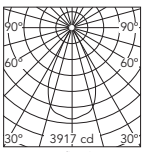
Luminous flux luminaire
1945 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2953	0.96
2	739	1.91
3	329	2.87
4	185	3.82
5	119	4.78

■ 05.7117.CU

51° FLOOD



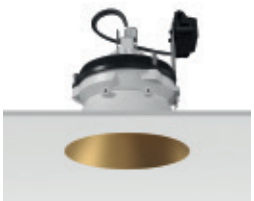
Luminous flux luminaire
2581 lm (EXTREME CUT OFF)

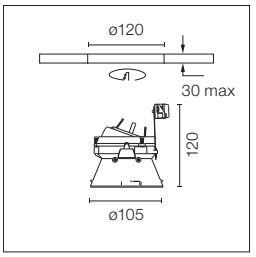
Beam Angle: 51°

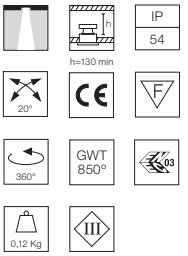
h(m)	E(lx)	D(m)
1	3917	0.96
2	981	1.91
3	436	2.87
4	245	3.82
5	157	4.78

Kap Ø105 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

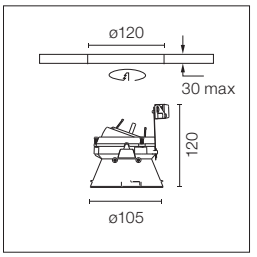
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

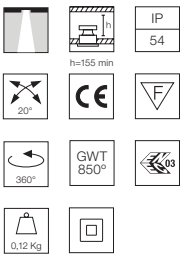
- 05.7135.B1
- 05.7135.GL
- 05.7135.BU
- 05.7135.74
- 05.7135.CU

Kap Ø105 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

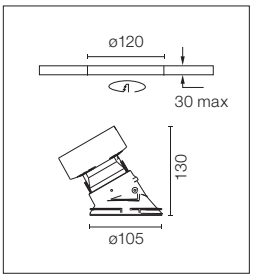
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

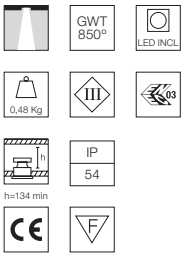
- 05.7136.B1
- 05.7136.GL
- 05.7136.BU
- 05.7136.74
- 05.7136.CU

Kap Ø105 Wall-Washer

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

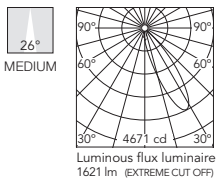
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7120.B1

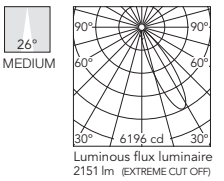


Luminous flux luminaire 1621 lm (EXTREME CUT OFF)

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

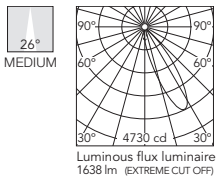
☐ 05.7121.B1



Luminous flux luminaire 2151 lm (EXTREME CUT OFF)

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

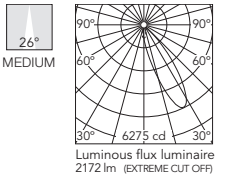
05.7120.GL



Luminous flux luminaire 1638 lm (EXTREME CUT OFF)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 4730	0.58
2 1183	1.15
3 526	1.73
4 296	2.31
5 189	2.89

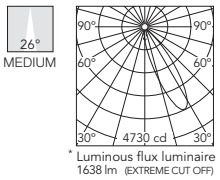
05.7121.GL



Luminous flux luminaire 2172 lm (EXTREME CUT OFF)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 6275	0.58
2 1569	1.15
3 697	1.73
4 392	2.31
5 251	2.89

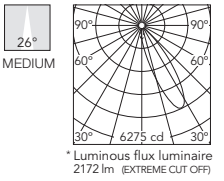
05.7120.BU



* Luminous flux luminaire 1638 lm (EXTREME CUT OFF)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 4730	0.58
2 1183	1.15
3 526	1.73
4 296	2.31
5 189	2.89

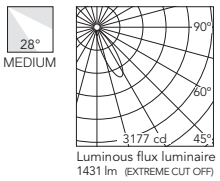
05.7121.BU



* Luminous flux luminaire 2172 lm (EXTREME CUT OFF)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 6275	0.58
2 1569	1.15
3 697	1.73
4 392	2.31
5 251	2.89

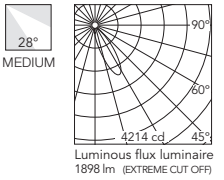
05.7120.74



Luminous flux luminaire 1431 lm (EXTREME CUT OFF)

Beam Angle:	28°
h(m) E(lx)	D(m)
1 3177	0.63
2 794	1.26
3 353	1.89
4 199	2.52
5 127	3.16

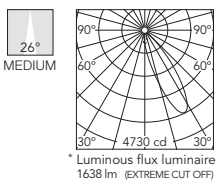
05.7121.74



Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

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

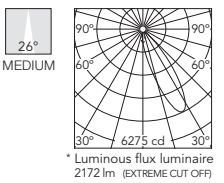
05.7120.CU



* Luminous flux luminaire 1638 lm (EXTREME CUT OFF)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 4730	0.58
2 1183	1.15
3 526	1.73
4 296	2.31
5 189	2.89

05.7121.CU



* Luminous flux luminaire 2172 lm (EXTREME CUT OFF)

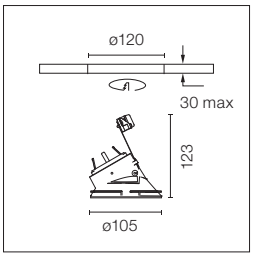
Beam Angle:	26°
h(m) E(lx)	D(m)
1 6275	0.58
2 1569	1.15
3 697	1.73
4 392	2.31
5 251	2.89

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Kap Ø105 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V LED lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

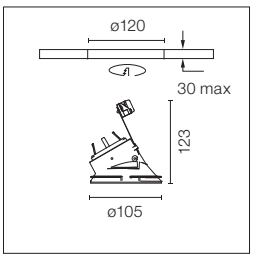
Luminaria empotrable para lámpara LED de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

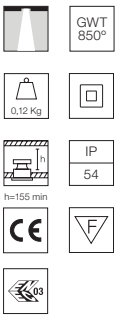
- 05.7140.B1
- 05.7140.GL
- 05.7140.BU
- 05.7140.74
- 05.7140.CU

Kap Ø105 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

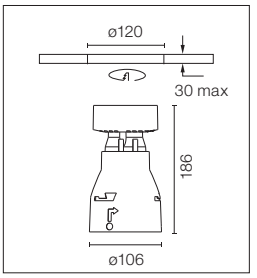
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

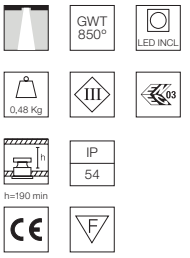
- 05.7141.B1
- 05.7141.GL
- 05.7141.BU
- 05.7141.74
- 05.7141.CU

Kap Ø105 Deep - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

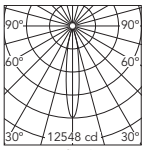
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7150.B1

16° SPOT



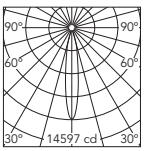
Luminous flux luminaire 1602 lm (EXTREME CUT OFF)

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

3000K

☐ 05.7155.B1

16° SPOT

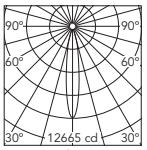


Luminous flux luminaire 1836 lm (EXTREME CUT OFF)

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

■ 05.7150.GL

16° SPOT

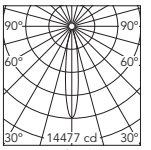


Luminous flux luminaire 1524 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	12665	0.28
2	3166	0.57
3	1407	0.85
4	792	1.13
5	507	1.42

■ 05.7155.GL

16° SPOT

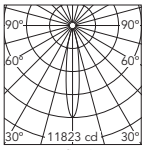


Luminous flux luminaire 1731 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	14477	0.28
2	3619	0.57
3	1609	0.85
4	905	1.13
5	579	1.41

■ 05.7150.BU

16° SPOT

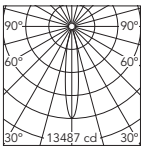


Luminous flux luminaire 1384 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	11823	0.29
2	2956	0.58
3	1314	0.87
4	739	1.16
5	473	1.45

■ 05.7155.BU

16° SPOT

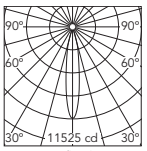


Luminous flux luminaire 1572 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	13487	0.29
2	3372	0.58
3	1499	0.87
4	843	1.16
5	539	1.44

■ 05.7150.74

17° SPOT

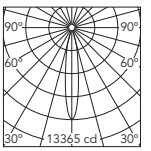


Luminous flux luminaire 1369 lm (EXTREME CUT OFF)

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	11525	0.29
2	2881	0.59
3	1281	0.88
4	720	1.18
5	461	1.47

■ 05.7155.74

16° SPOT

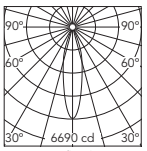


Luminous flux luminaire 1566 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	13365	0.29
2	3341	0.58
3	1485	0.87
4	835	1.16
5	535	1.45

■ 05.7150.CU

24° SPOT

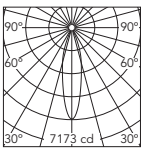


*Luminous flux luminaire 1152 lm

Beam Angle: 24°		
h(m)	E(lx)	D(m)
1	6690	0.43
2	1673	0.86
3	743	1.29
4	418	1.72
5	268	2.15

■ 05.7155.CU

24° SPOT



* Luminous flux luminaire 1235 lm (EXTREME CUT OFF)

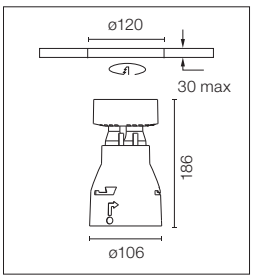
Beam Angle: 24°		
h(m)	E(lx)	D(m)
1	7173	0.43
2	1793	0.86
3	797	1.29
4	448	1.72
5	287	2.15

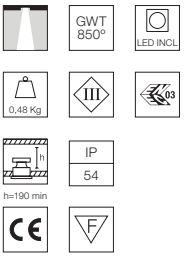
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Kap Ø105 Deep - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

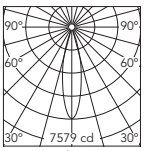
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7151.B1

24° MEDIUM



Luminous flux luminaire
1537 lm (EXTREME CUT OFF)

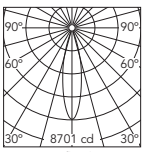
Beam Angle: 24°

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

3000K

☐ 05.7156.B1

24° MEDIUM



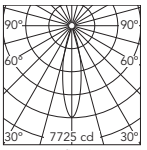
Luminous flux luminaire
1759 lm (EXTREME CUT OFF)

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

■ 05.7151.GL

23° MEDIUM



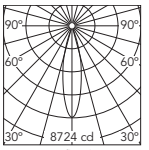
Luminous flux luminaire
1459 lm (EXTREME CUT OFF)

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7725	0.42
2	1931	0.83
3	858	1.25
4	483	1.66
5	309	2.08

■ 05.7156.GL

23° MEDIUM



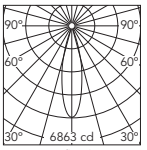
Luminous flux luminaire
1644 lm (EXTREME CUT OFF)

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8724	0.42
2	2181	0.83
3	969	1.25
4	545	1.66
5	349	2.08

■ 05.7151.BU

25° MEDIUM



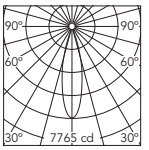
Luminous flux luminaire
1307 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6863	0.45
2	1716	0.90
3	763	1.35
4	429	1.79
5	275	2.24

■ 05.7156.BU

25° MEDIUM



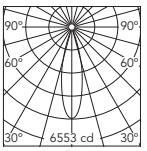
Luminous flux luminaire
1475 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	7765	0.45
2	1941	0.89
3	863	1.34
4	485	1.79
5	311	2.23

■ 05.7151.74

26° MEDIUM



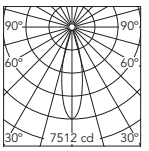
Luminous flux luminaire
1287 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6553	0.46
2	1638	0.93
3	728	1.39
4	410	1.85
5	262	2.31

■ 05.7156.74

26° MEDIUM



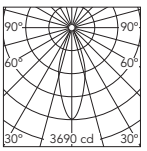
Luminous flux luminaire
1467 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	7512	0.46
2	1878	0.92
3	835	1.38
4	469	1.85
5	300	2.31

■ 05.7151.CU

34° MEDIUM



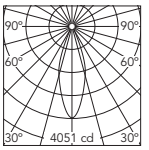
*Luminous flux luminaire
1096 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3690	0.61
2	923	1.23
3	410	1.84
4	231	2.45
5	148	3.06

■ 05.7156.CU

34° MEDIUM



*Luminous flux luminaire
1203 lm

Beam Angle: 34°

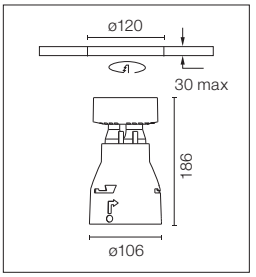
h(m)	E(lx)	D(m)
1	4051	0.61
2	1013	1.23
3	450	1.84
4	253	2.45
5	162	3.06

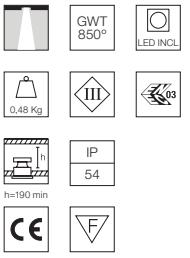
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Kap Ø105 Deep - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

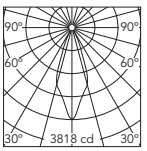
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7152.B1

37° FLOOD



Luminous flux luminaire
1581 lm (EXTREME CUT OFF)

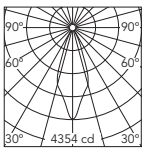
Beam Angle: 37°

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

3000K

☐ 05.7157.B1

37° FLOOD



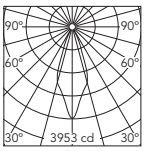
Luminous flux luminaire
1795 lm (EXTREME CUT OFF)

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

■ 05.7152.GL

37° FLOOD



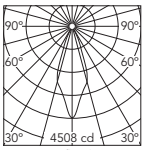
Luminous flux luminaire
1485 lm (EXTREME CUT OFF)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	3953	0.67
2	988	1.34
3	439	2.01
4	247	2.68
5	158	3.35

■ 05.7157.GL

37° FLOOD



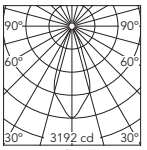
Luminous flux luminaire
1677 lm (EXTREME CUT OFF)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4508	0.67
2	1127	1.33
3	501	2.00
4	282	2.67
5	180	3.34

■ 05.7152.BU

39° FLOOD



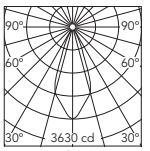
Luminous flux luminaire
1290 lm (EXTREME CUT OFF)

Beam Angle: 39°

h(m)	E(lx)	D(m)
1	3192	0.71
2	798	1.42
3	355	2.13
4	199	2.84
5	128	3.55

■ 05.7157.BU

39° FLOOD



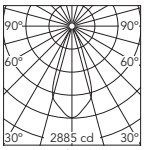
Luminous flux luminaire
1461 lm (EXTREME CUT OFF)

Beam Angle: 39°

h(m)	E(lx)	D(m)
1	3630	0.71
2	907	1.42
3	403	2.13
4	227	2.84
5	145	3.55

■ 05.7152.74

40° FLOOD



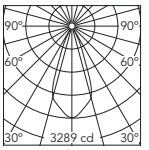
Luminous flux luminaire
1262 lm (EXTREME CUT OFF)

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	2885	0.73
2	721	1.46
3	321	2.19
4	180	2.92
5	115	3.65

■ 05.7157.74

40° FLOOD



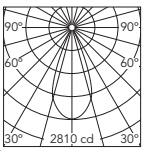
Luminous flux luminaire
1438 lm (EXTREME CUT OFF)

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	3289	0.73
2	822	1.46
3	365	2.19
4	206	2.92
5	132	3.65

■ 05.7152.CU

42° FLOOD



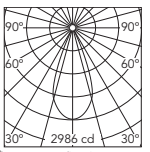
*Luminous flux luminaire
892 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2810	0.77
2	702	1.53
3	312	2.30
4	176	3.07
5	112	3.83

■ 05.7157.CU

42° FLOOD



*Luminous flux luminaire
948 lm

Beam Angle: 42°

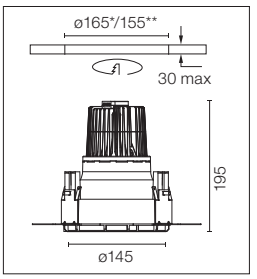
h(m)	E(lx)	D(m)
1	2986	0.77
2	747	1.53
3	332	2.30
4	187	3.07
5	119	3.83

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

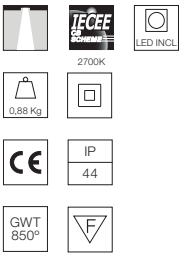
Kap Ø145

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98





* No Trim | ** Trim

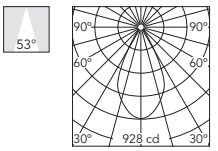


Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable
03.4496.B1B
Dali Version
03.4496.B1BDA
1-10V
03.4496.B1B1V

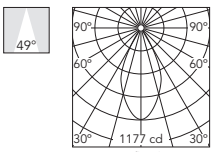


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	928	1.00
2	232	2.00
3	103	3.00
4	58	4.01
5	37	5.01

Luminous flux luminaire
775 lm (EXTREME CUT OFF)

Non Dimmable
03.4496.GLB
Dali Version
03.4496.GLBDA
1-10V
03.4496.GLB1V

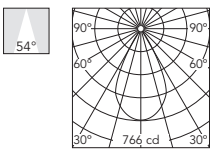


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1177	0.92
2	294	1.84
3	131	2.76
4	74	3.68
5	47	4.60

Luminous flux luminaire
760 lm (EXTREME CUT OFF)

Non Dimmable
03.4496.BUB
Dali Version
03.4496.BUBDA
1-10V
03.4496.BUB1V

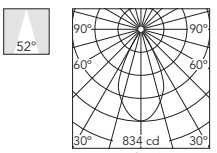


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	766	1.02
2	191	2.04
3	85	3.06
4	48	4.08
5	31	5.11

Luminous flux luminaire
550 lm (EXTREME CUT OFF)

Non Dimmable
03.4496.74B
Dali Version
03.4496.74BDA
1-10V
03.4496.74B1V

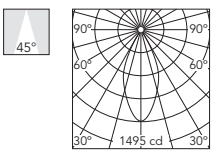


Beam Angle: 52°

h(m)	E(lx)	D(m)
1	834	0.97
2	208	1.95
3	93	2.92
4	52	3.90
5	33	4.87

Luminous flux luminaire
541 lm (EXTREME CUT OFF)

Non Dimmable
03.4496.CUB
Dali Version
03.4496.CUBDA
1-10V
03.4496.CUB1V



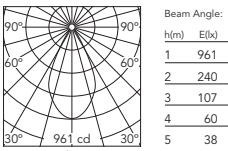
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1495	0.83
2	374	1.66
3	166	2.49
4	93	3.33
5	60	4.16

Luminous flux luminaire
796 lm (EXTREME CUT OFF)

3000K

Non Dimmable
03.4420.B1C
Dali Version
03.4420.B1CDA
1-10V
03.4420.B1C1V

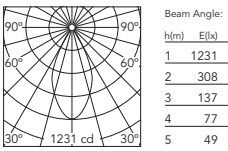


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	961	1.00
2	240	2.00
3	107	3.00
4	60	4.01
5	38	5.01

Luminous flux luminaire
803 lm (EXTREME CUT OFF)

Non Dimmable
03.4420.GLC
Dali Version
03.4420.GLCDA
1-10V
03.4420.GLC1V

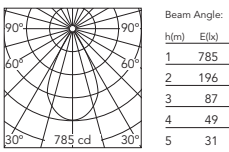


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1231	0.92
2	308	1.84
3	137	2.76
4	77	3.68
5	49	4.60

Luminous flux luminaire
796 lm (EXTREME CUT OFF)

Non Dimmable
03.4420.BUC
Dali Version
03.4420.BUCDA
1-10V
03.4420.BUC1V

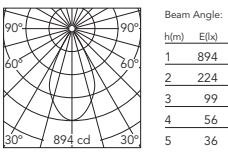


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	785	1.02
2	196	2.04
3	87	3.06
4	49	4.08
5	31	5.11

Luminous flux luminaire
563 lm (EXTREME CUT OFF)

Non Dimmable
03.4420.74C
Dali Version
03.4420.74CDA
1-10V
03.4420.74C1V

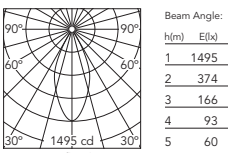


Beam Angle: 52°

h(m)	E(lx)	D(m)
1	894	0.97
2	224	1.95
3	99	2.92
4	56	3.90
5	36	4.87

Luminous flux luminaire
580 lm (EXTREME CUT OFF)

Non Dimmable
03.4420.CUC
Dali Version
03.4420.CUCDA
1-10V
03.4420.CUC1V



Beam Angle: 45°

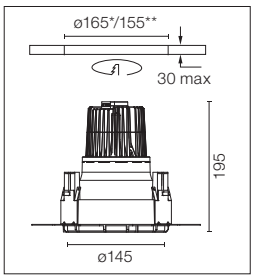
h(m)	E(lx)	D(m)
1	1495	0.83
2	374	1.66
3	166	2.49
4	93	3.33
5	60	4.16

Luminous flux luminaire
796 lm (EXTREME CUT OFF)

Kap Ø145

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90





* No Trim | ** Trim

0,88 Kg

LED INCL

GWT 850°

IP 44

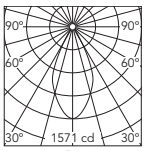
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable
☐ 03.4585.B1
Dali Version
☐ 03.4585.B1.DA
1-10V
☐ 03.4585.B1.1V

49°



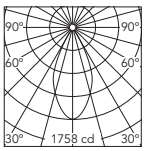
Luminous flux luminaire
1110 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1571	0.91
2	393	1.82
3	175	2.73
4	98	3.64
5	63	4.55

Non Dimmable
■ 03.4585.GL
Dali Version
■ 03.4585.GL.DA
1-10V
■ 03.4585.GL.1V

48°



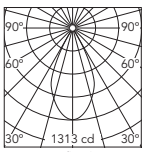
Luminous flux luminaire
1059 lm (EXTREME CUT OFF)

Beam Angle: 48°

h(m)	E(lx)	D(m)
1	1758	0.88
2	439	1.77
3	195	2.65
4	110	3.54
5	70	4.42

Non Dimmable
■ 03.4585.BU
Dali Version
■ 03.4585.BU.DA
1-10V
■ 03.4585.BU.1V

50°



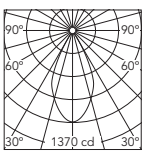
Luminous flux luminaire
791 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1313	0.93
2	328	1.86
3	146	2.79
4	82	3.72
5	53	4.65

Non Dimmable
■ 03.4585.74
Dali Version
■ 03.4585.74.DA
1-10V
■ 03.4585.74.1V

50°



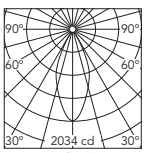
Luminous flux luminaire
815 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1370	0.93
2	343	1.86
3	152	2.79
4	86	3.72
5	55	4.65

Non Dimmable
■ 03.4585.CU
Dali Version
■ 03.4585.CU.DA
1-10V
■ 03.4585.CU.1V

43°



Luminous flux luminaire
977 lm (EXTREME CUT OFF)

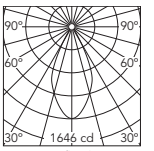
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2034	0.78
2	509	1.57
3	226	2.35
4	127	3.14
5	81	3.92

3000K

Non Dimmable
☐ 03.4584.B1
Dali Version
☐ 03.4584.B1.DA
1-10V
☐ 03.4584.B1.1V

49°



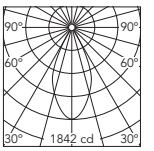
Luminous flux luminaire
1163 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1646	0.91
2	411	1.82
3	183	2.73
4	103	3.64
5	66	4.55

Non Dimmable
■ 03.4584.GL
Dali Version
■ 03.4584.GL.DA
1-10V
■ 03.4584.GL.1V

48°



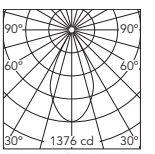
Luminous flux luminaire
1109 lm (EXTREME CUT OFF)

Beam Angle: 48°

h(m)	E(lx)	D(m)
1	1842	0.88
2	460	1.77
3	205	2.65
4	115	3.54
5	74	4.42

Non Dimmable
■ 03.4584.BU
Dali Version
■ 03.4584.BU.DA
1-10V
■ 03.4584.BU.1V

50°



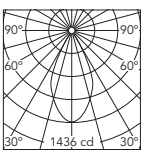
Luminous flux luminaire
829 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1376	0.93
2	344	1.86
3	153	2.79
4	86	3.72
5	55	4.65

Non Dimmable
■ 03.4584.74
Dali Version
■ 03.4584.74.DA
1-10V
■ 03.4584.74.1V

50°



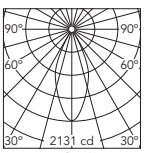
Luminous flux luminaire
854 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1436	0.93
2	359	1.86
3	160	2.79
4	90	3.72
5	57	4.65

Non Dimmable
■ 03.4584.CU
Dali Version
■ 03.4584.CU.DA
1-10V
■ 03.4584.CU.1V

43°



Luminous flux luminaire
1023 lm (EXTREME CUT OFF)

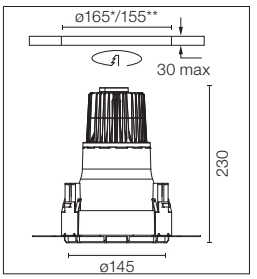
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2131	0.78
2	533	1.57
3	237	2.35
4	133	3.14
5	85	3.92

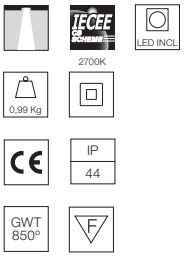
Kap Ø145 Deep

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98





* No Trim | ** Trim



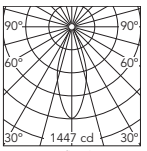
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable
03.4497.B1B
Dali Version
03.4497.B1BDA
1-10V
03.4497.B1B1V

37°



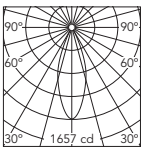
Luminous flux luminaire
694 lm (EXTREME CUT OFF)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	1447	0.67
2	362	1.34
3	161	2.01
4	90	2.69
5	58	3.36

Non Dimmable
03.4497.GLB
Dali Version
03.4497.GLBDA
1-10V
03.4497.GLB1V

36°



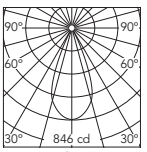
Luminous flux luminaire
678 lm (EXTREME CUT OFF)

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	1657	0.65
2	414	1.30
3	184	1.96
4	104	2.61
5	66	3.26

Non Dimmable
03.4497.BUB
Dali Version
03.4497.BUBDA
1-10V
03.4497.BUB1V

44°



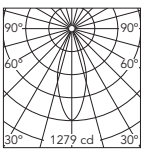
Luminous flux luminaire
406 lm (EXTREME CUT OFF)

Beam Angle: 44°

h(m)	E(lx)	D(m)
1	846	0.80
2	211	1.60
3	94	2.39
4	53	3.19
5	34	3.99

Non Dimmable
03.4497.74B
Dali Version
03.4497.74BDA
1-10V
03.4497.74B1V

37°



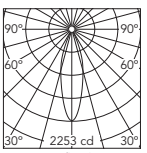
Luminous flux luminaire
450 lm (EXTREME CUT OFF)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	1279	0.66
2	320	1.32
3	142	1.98
4	80	2.64
5	51	3.30

Non Dimmable
03.4497.CUB
Dali Version
03.4497.CUBDA
1-10V
03.4497.CUB1V

28°



Luminous flux luminaire
662 lm (EXTREME CUT OFF)

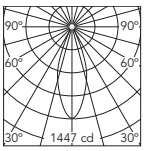
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	2253	0.50
2	563	1.01
3	250	1.51
4	141	2.02
5	90	2.52

3000K

Non Dimmable
03.4482.B1C
Dali Version
03.4482.B1CDA
1-10V
03.4482.B1C1V

37°



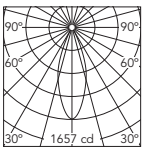
Luminous flux luminaire
694 lm (EXTREME CUT OFF)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	1447	0.67
2	362	1.34
3	161	2.01
4	90	2.69
5	58	3.36

Non Dimmable
03.4482.GLC
Dali Version
03.4482.GLCDA
1-10V
03.4482.GLC1V

36°



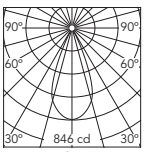
Luminous flux luminaire
678 lm (EXTREME CUT OFF)

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	1657	0.65
2	414	1.30
3	184	1.96
4	104	2.61
5	66	3.26

Non Dimmable
03.4482.BUC
Dali Version
03.4482.BUCDA
1-10V
03.4482.BUC1V

44°



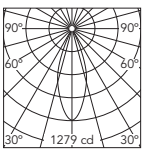
Luminous flux luminaire
406 lm (EXTREME CUT OFF)

Beam Angle: 44°

h(m)	E(lx)	D(m)
1	846	0.80
2	211	1.60
3	94	2.39
4	53	3.19
5	34	3.99

Non Dimmable
03.4482.74C
Dali Version
03.4482.74CDA
1-10V
03.4482.74C1V

37°



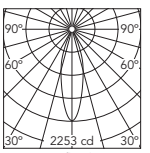
Luminous flux luminaire
450 lm (EXTREME CUT OFF)

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	1279	0.66
2	320	1.32
3	142	1.98
4	80	2.64
5	51	3.30

Non Dimmable
03.4482.CUC
Dali Version
03.4482.CUCDA
1-10V
03.4482.CUC1V

28°



Luminous flux luminaire
662 lm (EXTREME CUT OFF)

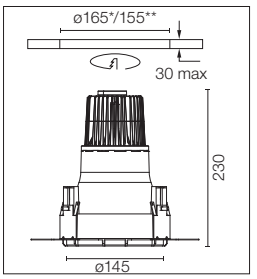
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	2253	0.50
2	563	1.01
3	250	1.51
4	141	2.02
5	90	2.52

Kap Ø145 Deep

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90





* No Trim | ** Trim

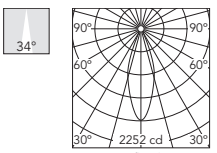
0,99 Kg | LED INCL | GWT 850° | IP 44

Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

2700K

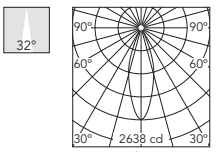
Non Dimmable
03.4587.B1
Dali Version
03.4587.B1.DA
1-10V
03.4587.B1.1V



Luminous flux luminaire
936 lm (EXTREME CUT OFF)

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	2252	0.61
2	563	1.23
3	250	1.84
4	141	2.45
5	90	3.06

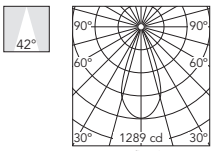
Non Dimmable
03.4587.GL
Dali Version
03.4587.GL.DA
1-10V
03.4587.GL.1V



Luminous flux luminaire
923 lm (EXTREME CUT OFF)

Beam Angle:	32°	
h(m)	E(lx)	D(m)
1	2638	0.58
2	660	1.16
3	293	1.74
4	165	2.31
5	106	2.89

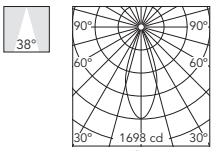
Non Dimmable
03.4587.BU
Dali Version
03.4587.BU.DA
1-10V
03.4587.BU.1V



Luminous flux luminaire
573 lm (EXTREME CUT OFF)

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	1289	0.77
2	322	1.53
3	143	2.30
4	81	3.07
5	52	3.83

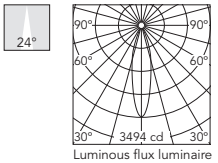
Non Dimmable
03.4587.74
Dali Version
03.4587.74.DA
1-10V
03.4587.74.1V



Luminous flux luminaire
615 lm (EXTREME CUT OFF)

Beam Angle:	38°	
h(m)	E(lx)	D(m)
1	1698	0.69
2	424	1.38
3	189	2.07
4	106	2.76
5	68	3.45

Non Dimmable
03.4587.CU
Dali Version
03.4587.CU.DA
1-10V
03.4587.CU.1V

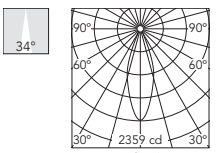


Luminous flux luminaire
842 lm (EXTREME CUT OFF)

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	3494	0.43
2	873	0.86
3	388	1.29
4	218	1.72
5	140	2.15

3000K

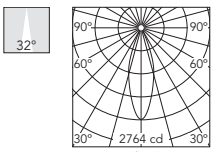
Non Dimmable
03.4586.B1
Dali Version
03.4586.B1.DA
1-10V
03.4586.B1.1V



Luminous flux luminaire
981 lm (EXTREME CUT OFF)

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	2359	0.61
2	590	1.23
3	262	1.84
4	147	2.45
5	94	3.06

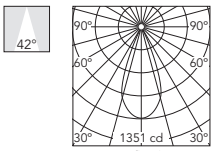
Non Dimmable
03.4586.GL
Dali Version
03.4586.GL.DA
1-10V
03.4586.GL.1V



Luminous flux luminaire
966 lm (EXTREME CUT OFF)

Beam Angle:	32°	
h(m)	E(lx)	D(m)
1	2764	0.58
2	691	1.16
3	307	1.74
4	173	2.31
5	111	2.89

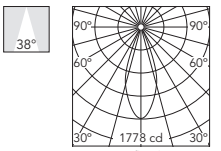
Non Dimmable
03.4586.BU
Dali Version
03.4586.BU.DA
1-10V
03.4586.BU.1V



Luminous flux luminaire
600 lm (EXTREME CUT OFF)

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	1351	0.77
2	338	1.53
3	150	2.30
4	84	3.07
5	54	3.83

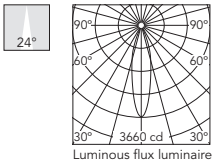
Non Dimmable
03.4586.74
Dali Version
03.4586.74.DA
1-10V
03.4586.74.1V



Luminous flux luminaire
644 lm (EXTREME CUT OFF)

Beam Angle:	38°	
h(m)	E(lx)	D(m)
1	1778	0.69
2	445	1.38
3	198	2.07
4	111	2.76
5	71	3.45

Non Dimmable
03.4586.CU
Dali Version
03.4586.CU.DA
1-10V
03.4586.CU.1V



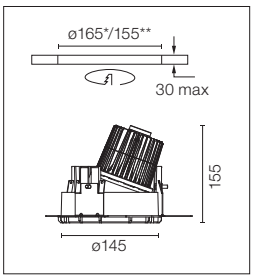
Luminous flux luminaire
882 lm (EXTREME CUT OFF)

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	3660	0.43
2	915	0.86
3	407	1.29
4	229	1.72
5	146	2.15

Kap Ø145 Wall-Washer

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98





* No Trim | ** Trim

GWT 850°
0,94 Kg
2700K
LED INCL
IP 44

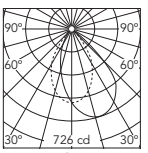
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable
03.4498.B1B
Dali Version
03.4498.B1BDA
1-10V
03.4498.B1B1V

59°



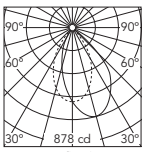
Luminous flux luminaire 872 lm (EXTREME CUT OFF)

Beam Angle: 59°

h(m)	E(lx)	D(m)
1	726	1.26
2	181	2.53
3	81	3.79
4	45	5.05
5	29	6.32

Non Dimmable
03.4498.GLB
Dali Version
03.4498.GLBDA
1-10V
03.4498.GLB1V

56°



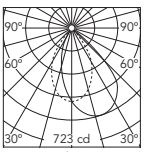
Luminous flux luminaire 871 lm (EXTREME CUT OFF)

Beam Angle: 56°

h(m)	E(lx)	D(m)
1	878	1.18
2	219	2.37
3	98	3.55
4	55	4.73
5	35	5.92

Non Dimmable
03.4498.BUB
Dali Version
03.4498.BUBDA
1-10V
03.4498.BUB1V

58°



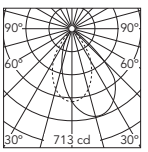
Luminous flux luminaire 736 lm (EXTREME CUT OFF)

Beam Angle: 58°

h(m)	E(lx)	D(m)
1	723	1.25
2	181	2.51
3	80	3.76
4	45	5.01
5	29	6.26

Non Dimmable
03.4498.74B
Dali Version
03.4498.74BDA
1-10V
03.4498.74B1V

58°



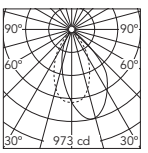
Luminous flux luminaire 747 lm (EXTREME CUT OFF)

Beam Angle: 58°

h(m)	E(lx)	D(m)
1	713	1.24
2	178	2.48
3	79	3.72
4	45	4.96
5	29	6.20

Non Dimmable
03.4498.CUB
Dali Version
03.4498.CUBDA
1-10V
03.4498.CUB1V

54°



Luminous flux luminaire 879 lm (EXTREME CUT OFF)

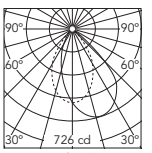
Beam Angle: 54°

h(m)	E(lx)	D(m)
1	973	1.10
2	243	2.21
3	108	3.31
4	61	4.42
5	39	5.52

3000K

Non Dimmable
03.4475.B1C
Dali Version
03.4475.B1CDA
1-10V
03.4475.B1C1V

59°



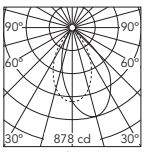
Luminous flux luminaire 872 lm (EXTREME CUT OFF)

Beam Angle: 59°

h(m)	E(lx)	D(m)
1	726	1.26
2	181	2.53
3	81	3.79
4	45	5.05
5	29	6.32

Non Dimmable
03.4475.GLC
Dali Version
03.4475.GLCDA
1-10V
03.4475.GLC1V

56°



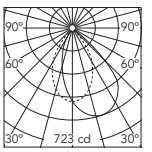
Luminous flux luminaire 871 lm (EXTREME CUT OFF)

Beam Angle: 56°

h(m)	E(lx)	D(m)
1	878	1.18
2	219	2.37
3	98	3.55
4	55	4.73
5	35	5.92

Non Dimmable
03.4475.BUC
Dali Version
03.4475.BUCDA
1-10V
03.4475.BUC1V

58°



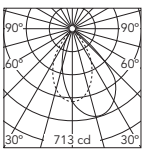
Luminous flux luminaire 736 lm (EXTREME CUT OFF)

Beam Angle: 58°

h(m)	E(lx)	D(m)
1	723	1.25
2	181	2.51
3	80	3.76
4	45	5.01
5	29	6.26

Non Dimmable
03.4475.74C
Dali Version
03.4475.74CDA
1-10V
03.4475.74C1V

58°



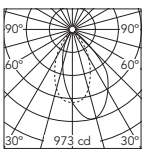
Luminous flux luminaire 747 lm (EXTREME CUT OFF)

Beam Angle: 58°

h(m)	E(lx)	D(m)
1	713	1.24
2	178	2.48
3	79	3.72
4	45	4.96
5	29	6.20

Non Dimmable
03.4475.CUC
Dali Version
03.4475.CUCDA
1-10V
03.4475.CUC1V

54°



Luminous flux luminaire 879 lm (EXTREME CUT OFF)

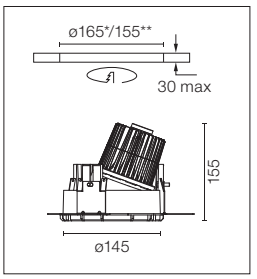
Beam Angle: 54°

h(m)	E(lx)	D(m)
1	973	1.10
2	243	2.21
3	108	3.31
4	61	4.42
5	39	5.52

Kap Ø145 Wall-Washer

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90





* No Trim | ** Trim

GWT 850° · IP 44 · 0,94 Kg · 03 · F · 20° · TECEE · LED INCL · CE

Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.
Marco de pre-instalación. Se ha de pedir por separado.

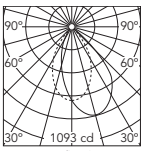
2700K

Non Dimmable
- 03.4589.B1

Dali Version
- 03.4589.B1.DA

1-10V
- 03.4589.B1.1V

56°



Luminous flux luminaire
1189 lm (EXTREME CUT OFF)

Beam Angle: 56°

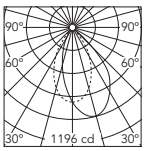
h(m)	E(lx)	D(m)
1	1093	1.17
2	273	2.34
3	121	3.52
4	68	4.69
5	44	5.86

Non Dimmable
- 03.4589.GL

Dali Version
- 03.4589.GL.DA

1-10V
- 03.4589.GL.1V

55°



Luminous flux luminaire
1131 lm (EXTREME CUT OFF)

Beam Angle: 55°

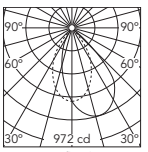
h(m)	E(lx)	D(m)
1	1196	1.13
2	299	2.26
3	133	3.39
4	75	4.52
5	48	5.65

Non Dimmable
- 03.4589.BU

Dali Version
- 03.4589.BU.DA

1-10V
- 03.4589.BU.1V

56°



Luminous flux luminaire
980 lm (EXTREME CUT OFF)

Beam Angle: 56°

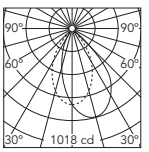
h(m)	E(lx)	D(m)
1	972	1.17
2	243	2.34
3	108	3.51
4	61	4.68
5	39	5.85

Non Dimmable
- 03.4589.74

Dali Version
- 03.4589.74.DA

1-10V
- 03.4589.74.1V

55°



Luminous flux luminaire
999 lm (EXTREME CUT OFF)

Beam Angle: 55°

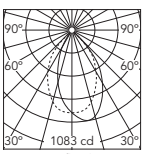
h(m)	E(lx)	D(m)
1	1018	1.14
2	254	2.29
3	113	3.43
4	64	4.57
5	41	5.72

Non Dimmable
- 03.4589.CU

Dali Version
- 03.4589.CU.DA

1-10V
- 03.4589.CU.1V

56°



Luminous flux luminaire
1117 lm (EXTREME CUT OFF)

Beam Angle: 56°

h(m)	E(lx)	D(m)
1	1083	1.09
2	271	2.18
3	120	3.27
4	68	4.36
5	43	5.45

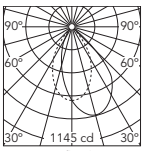
3000K

Non Dimmable
- 03.4588.B1

Dali Version
- 03.4588.B1.DA

1-10V
- 03.4588.B1.1V

56°



Luminous flux luminaire
1246 lm (EXTREME CUT OFF)

Beam Angle: 56°

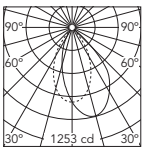
h(m)	E(lx)	D(m)
1	1145	1.17
2	286	2.34
3	127	3.52
4	72	4.69
5	46	5.86

Non Dimmable
- 03.4588.GL

Dali Version
- 03.4588.GL.DA

1-10V
- 03.4588.GL.1V

55°



Luminous flux luminaire
1185 lm (EXTREME CUT OFF)

Beam Angle: 55°

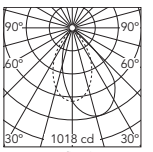
h(m)	E(lx)	D(m)
1	1253	1.13
2	313	2.26
3	139	3.39
4	78	4.52
5	50	5.65

Non Dimmable
- 03.4588.BU

Dali Version
- 03.4588.BU.DA

1-10V
- 03.4588.BU.1V

56°



Luminous flux luminaire
1026 lm (EXTREME CUT OFF)

Beam Angle: 56°

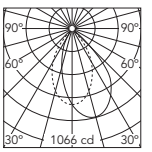
h(m)	E(lx)	D(m)
1	1018	1.17
2	254	2.34
3	113	3.51
4	64	4.68
5	41	5.85

Non Dimmable
- 03.4588.74

Dali Version
- 03.4588.74.DA

1-10V
- 03.4588.74.1V

55°



Luminous flux luminaire
1047 lm (EXTREME CUT OFF)

Beam Angle: 55°

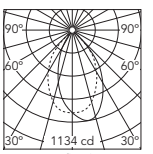
h(m)	E(lx)	D(m)
1	1066	1.14
2	267	2.29
3	118	3.43
4	67	4.57
5	43	5.72

Non Dimmable
- 03.4588.CU

Dali Version
- 03.4588.CU.DA

1-10V
- 03.4588.CU.1V

56°



Luminous flux luminaire
1170 lm (EXTREME CUT OFF)

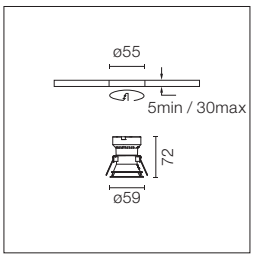
Beam Angle: 56°

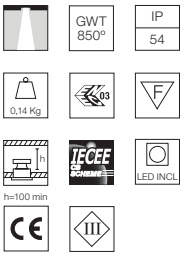
h(m)	E(lx)	D(m)
1	1134	1.09
2	284	2.18
3	126	3.27
4	71	4.36
5	45	5.45

Easy Kap Ø50 Fixed - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

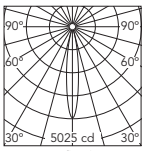
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7200.B1

15° SPOT

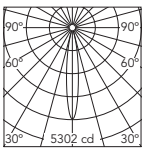


Luminous flux luminaire 543 lm (EXTREME CUT OFF)

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

05.7200.GL

15° SPOT

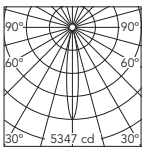


Luminous flux luminaire 554 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5302	0.26
2	1325	0.53
3	589	0.79
4	331	1.06
5	212	1.32

05.7200.BU

15° SPOT

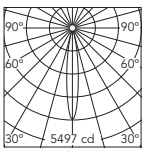


Luminous flux luminaire 526 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5347	0.26
2	1337	0.52
3	594	0.78
4	334	1.04
5	214	1.30

05.7200.74

15° SPOT

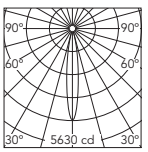


Luminous flux luminaire 528 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5497	0.26
2	1374	0.52
3	611	0.77
4	344	1.03
5	220	1.29

05.7200.CU

15° SPOT



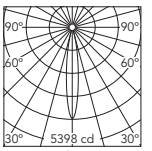
Luminous flux luminaire 547 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5630	0.26
2	1408	0.51
3	626	0.77
4	352	1.03
5	225	1.29

3000K

05.7205.B1

15° SPOT

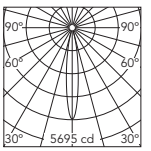


Luminous flux luminaire 583 lm (EXTREME CUT OFF)

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

05.7205.GL

15° SPOT

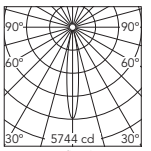


Luminous flux luminaire 595 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5695	0.26
2	1424	0.53
3	633	0.79
4	356	1.06
5	228	1.32

05.7205.BU

15° SPOT

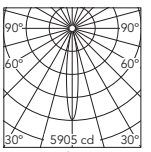


Luminous flux luminaire 565 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5744	0.26
2	1436	0.52
3	638	0.78
4	359	1.04
5	230	1.30

05.7205.74

15° SPOT

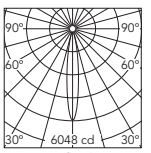


Luminous flux luminaire 567 lm (EXTREME CUT OFF)

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	5905	0.26
2	1476	0.52
3	656	0.77
4	369	1.03
5	236	1.29

05.7205.CU

15° SPOT



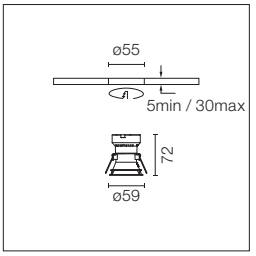
Luminous flux luminaire 587 lm (EXTREME CUT OFF)

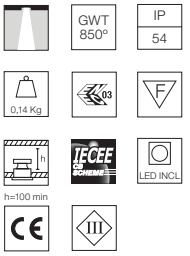
Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	6048	0.26
2	1512	0.51
3	672	0.77
4	378	1.03
5	242	1.29

Easy Kap Ø50 Fixed - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

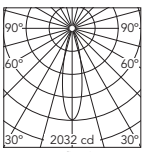
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7201.B1

24° MEDIUM



Luminous flux luminaire 488 lm (EXTREME CUT OFF)

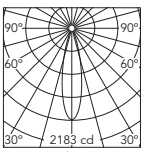
Beam Angle: 24°

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

3000K

☐ 05.7206.B1

24° MEDIUM



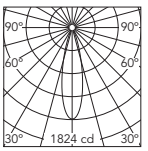
Luminous flux luminaire 524 lm (EXTREME CUT OFF)

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

■ 05.7201.GL

26° MEDIUM



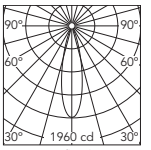
Luminous flux luminaire 452 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1824	0.45
2	456	0.91
3	203	1.36
4	114	1.82
5	73	2.27

■ 05.7206.GL

26° MEDIUM



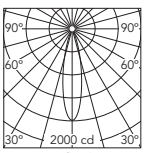
Luminous flux luminaire 485 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1960	0.45
2	490	0.91
3	218	1.36
4	122	1.82
5	78	2.27

■ 05.7201.BU

24° MEDIUM



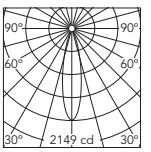
Luminous flux luminaire 442 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2000	0.42
2	500	0.84
3	222	1.26
4	125	1.67
5	80	2.09

■ 05.7206.BU

24° MEDIUM



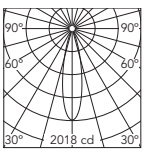
Luminous flux luminaire 475 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2149	0.42
2	537	0.84
3	239	1.26
4	134	1.67
5	86	2.09

■ 05.7201.74

24° MEDIUM



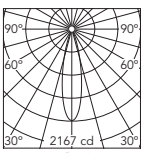
Luminous flux luminaire 443 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2018	0.43
2	504	0.85
3	224	1.28
4	126	1.71
5	81	2.13

■ 05.7206.74

24° MEDIUM



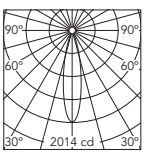
Luminous flux luminaire 476 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2167	0.43
2	542	0.85
3	241	1.28
4	135	1.71
5	87	2.13

■ 05.7201.CU

22° MEDIUM



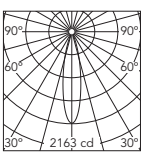
Luminous flux luminaire 417 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2014	0.40
2	503	0.79
3	224	1.19
4	126	1.59
5	81	1.99

■ 05.7206.CU

22° MEDIUM



Luminous flux luminaire 449 lm (EXTREME CUT OFF)

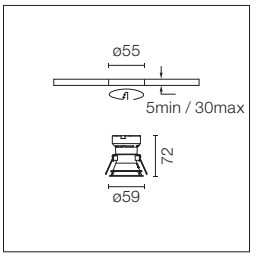
Beam Angle: 22°

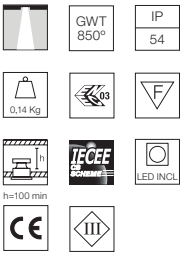
h(m)	E(lx)	D(m)
1	2163	0.40
2	541	0.79
3	240	1.19
4	135	1.59
5	87	1.99

Easy Kap Ø50 Fixed - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Marco de instalación no necesario.

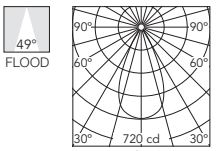
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

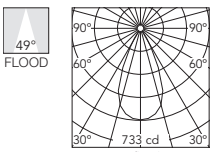
☐ 05.7202.B1



Luminous flux luminaire 496 lm (EXTREME CUT OFF)

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

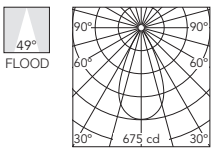
■ 05.7202.GL



Luminous flux luminaire 476 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

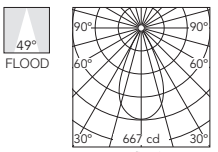
■ 05.7202.BU



Luminous flux luminaire 431 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

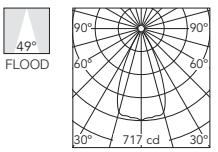
■ 05.7202.74



Luminous flux luminaire 416 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

■ 05.7202.CU

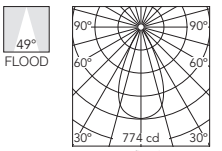


Luminous flux luminaire 472 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

3000K

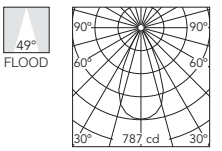
☐ 05.7207.B1



Luminous flux luminaire 532 lm (EXTREME CUT OFF)

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

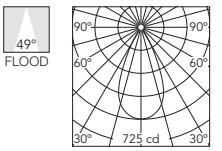
■ 05.7207.GL



Luminous flux luminaire 511 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

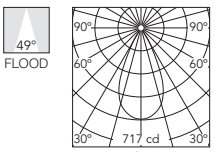
■ 05.7207.BU



Luminous flux luminaire 463 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

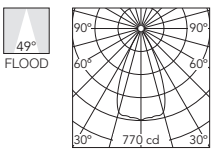
■ 05.7207.74



Luminous flux luminaire 447 lm (EXTREME CUT OFF)

Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

■ 05.7207.CU



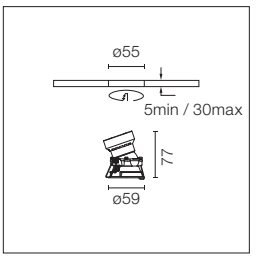
Luminous flux luminaire 507 lm (EXTREME CUT OFF)

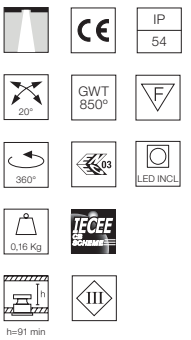
Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Easy Kap Ø50 Adjustable - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

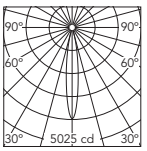
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7210.B1

15° SPOT



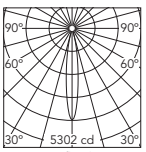
Luminous flux luminaire 543 lm (EXTREME CUT OFF)

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

05.7210.GL

15° SPOT



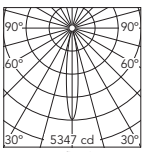
Luminous flux luminaire 554 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5302	0.26
2	1325	0.53
3	589	0.79
4	331	1.06
5	212	1.32

05.7210.BU

15° SPOT



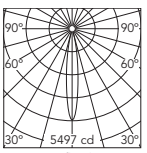
Luminous flux luminaire 526 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5347	0.26
2	1337	0.52
3	594	0.78
4	334	1.04
5	214	1.30

05.7210.74

15° SPOT



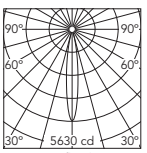
Luminous flux luminaire 528 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5497	0.26
2	1374	0.52
3	611	0.77
4	344	1.03
5	220	1.29

05.7210.CU

15° SPOT



Luminous flux luminaire 547 lm (EXTREME CUT OFF)

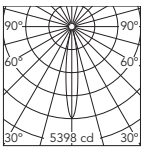
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5630	0.26
2	1408	0.51
3	626	0.77
4	352	1.03
5	225	1.29

3000K

05.7215.B1

15° SPOT



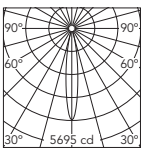
Luminous flux luminaire 583 lm (EXTREME CUT OFF)

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

05.7215.GL

15° SPOT



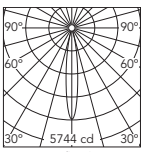
Luminous flux luminaire 595 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5695	0.26
2	1424	0.53
3	633	0.79
4	356	1.06
5	228	1.32

05.7215.BU

15° SPOT



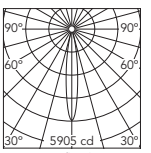
Luminous flux luminaire 565 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5744	0.26
2	1436	0.52
3	638	0.78
4	359	1.04
5	230	1.30

05.7215.74

15° SPOT



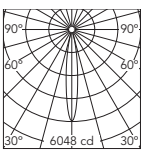
Luminous flux luminaire 567 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5905	0.26
2	1476	0.52
3	656	0.77
4	369	1.03
5	236	1.29

05.7215.CU

15° SPOT



Luminous flux luminaire 587 lm (EXTREME CUT OFF)

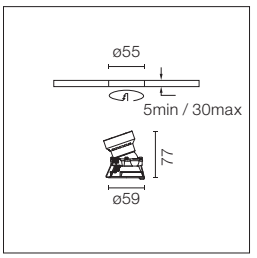
Beam Angle: 15°

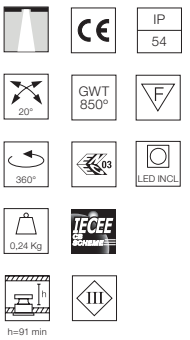
h(m)	E(lx)	D(m)
1	6048	0.26
2	1512	0.51
3	672	0.77
4	378	1.03
5	242	1.29

Easy Kap Ø50 Adjustable - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

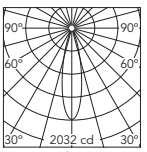
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7211.B1

24° MEDIUM



Luminous flux luminaire
488 lm (EXTREME CUT OFF)

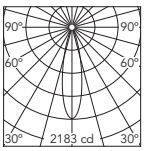
Beam Angle: 24°

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

3000K

☐ 05.7216.B1

24° MEDIUM



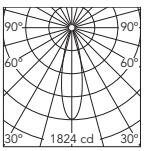
Luminous flux luminaire
524 lm (EXTREME CUT OFF)

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

■ 05.7211.GL

26° MEDIUM



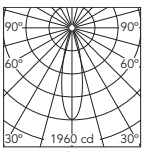
Luminous flux luminaire
452 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1824	0.45
2	456	0.91
3	203	1.36
4	114	1.82
5	73	2.27

■ 05.7216.GL

26° MEDIUM



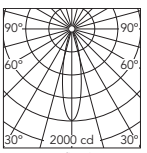
Luminous flux luminaire
485 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1960	0.45
2	490	0.91
3	218	1.36
4	122	1.82
5	78	2.27

■ 05.7211.BU

24° MEDIUM



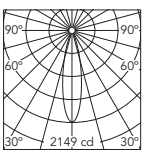
Luminous flux luminaire
442 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2000	0.42
2	500	0.84
3	222	1.26
4	125	1.67
5	80	2.09

■ 05.7216.BU

24° MEDIUM



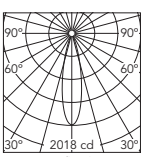
Luminous flux luminaire
475 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2149	0.42
2	537	0.84
3	239	1.26
4	134	1.67
5	86	2.09

■ 05.7211.74

24° MEDIUM



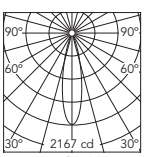
Luminous flux luminaire
443 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2018	0.43
2	504	0.85
3	224	1.28
4	126	1.71
5	81	2.13

■ 05.7216.74

24° MEDIUM



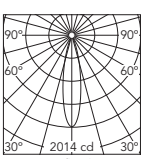
Luminous flux luminaire
476 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2167	0.43
2	542	0.85
3	241	1.28
4	135	1.71
5	87	2.13

■ 05.7211.CU

22° MEDIUM



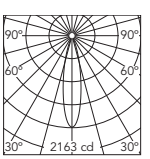
Luminous flux luminaire
417 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2014	0.40
2	503	0.79
3	224	1.19
4	126	1.59
5	81	1.99

■ 05.7216.CU

22° MEDIUM



Luminous flux luminaire
449 lm (EXTREME CUT OFF)

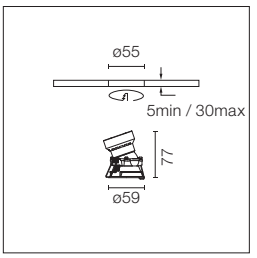
Beam Angle: 22°

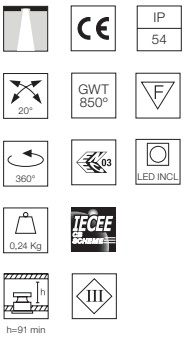
h(m)	E(lx)	D(m)
1	2163	0.40
2	541	0.79
3	240	1.19
4	135	1.59
5	87	1.99

Easy Kap Ø50 Adjustable - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

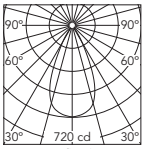
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7212.B1

49° FLOOD



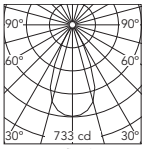
Luminous flux luminaire
496 lm (EXTREME CUT OFF)

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

■ 05.7212.GL

49° FLOOD



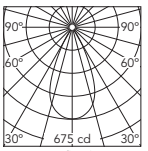
Luminous flux luminaire
476 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

■ 05.7212.BU

49° FLOOD



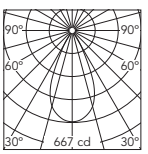
Luminous flux luminaire
431 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

■ 05.7212.74

49° FLOOD



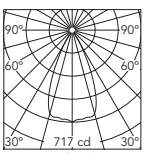
Luminous flux luminaire
416 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

■ 05.7212.CU

49° FLOOD



Luminous flux luminaire
472 lm (EXTREME CUT OFF)

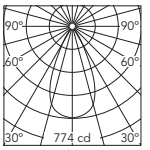
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

3000K

☐ 05.7217.B1

49° FLOOD



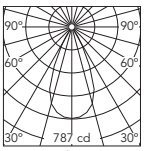
Luminous flux luminaire
532 lm (EXTREME CUT OFF)

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

■ 05.7217.GL

49° FLOOD



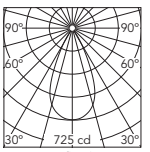
Luminous flux luminaire
511 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

■ 05.7217.BU

49° FLOOD



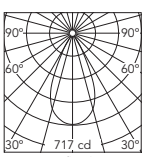
Luminous flux luminaire
463 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

■ 05.7217.74

49° FLOOD



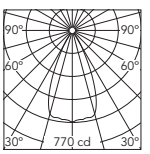
Luminous flux luminaire
447 lm (EXTREME CUT OFF)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

■ 05.7217.CU

49° FLOOD



Luminous flux luminaire
507 lm (EXTREME CUT OFF)

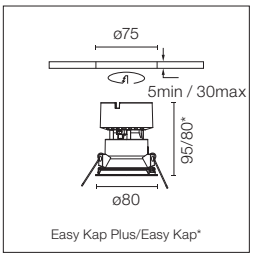
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Easy Kap Ø80/Easy Kap Ø80 Plus - Fixed - Optic Spot

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





Easy Kap Plus/Easy Kap*

GWT 850°
IP 54
0,24 Kg
Easy Kap Ø80
h=150 min h=91° min
Easy Kap Ø80
LED INCL

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

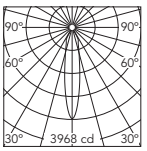
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
03.4288.B1
Easy Kap Ø80 Plus
05.7441.B1

19° SPOT



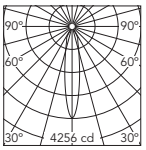
Luminous flux luminaire
1050 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4288.GL
Easy Kap Ø80 Plus
05.7441.GL

19° SPOT



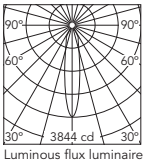
Luminous flux luminaire
1011 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4256	0.33
2	1064	0.67
3	473	1.00
4	266	1.33
5	170	1.66

Easy Kap Ø80
03.4288.BU
Easy Kap Ø80 Plus
05.7441.BU

19° SPOT



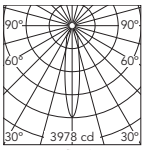
Luminous flux luminaire
948 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3844	0.34
2	961	0.68
3	427	1.02
4	240	1.36
5	154	1.70

Easy Kap Ø80
03.4288.74
Easy Kap Ø80 Plus
05.7441.74

19° SPOT



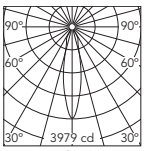
Luminous flux luminaire
929 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3978	0.33
2	994	0.66
3	442	0.99
4	249	1.31
5	159	1.64

Easy Kap Ø80
03.4288.CU
Easy Kap Ø80 Plus
05.7441.CU

22° SPOT



Luminous flux luminaire
1000 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

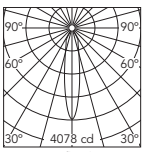
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3979	0.40
2	995	0.79
3	442	1.19
4	249	1.58
5	159	1.98

3000K

Easy Kap Ø80
03.4287.B1
Easy Kap Ø80 Plus
05.7440.B1

19° SPOT



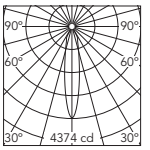
Luminous flux luminaire
1079 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4287.GL
Easy Kap Ø80 Plus
05.7440.GL

19° SPOT



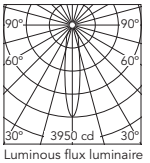
Luminous flux luminaire
1039 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4374	0.33
2	1093	0.67
3	486	1.00
4	273	1.33
5	175	1.66

Easy Kap Ø80
03.4287.BU
Easy Kap Ø80 Plus
05.7440.BU

19° SPOT



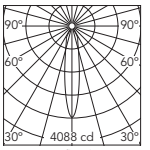
Luminous flux luminaire
974 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3950	0.34
2	988	0.68
3	439	1.02
4	247	1.36
5	158	1.70

Easy Kap Ø80
03.4287.74
Easy Kap Ø80 Plus
05.7440.74

19° SPOT



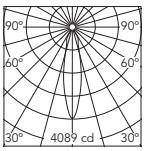
Luminous flux luminaire
955 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4088	0.33
2	1022	0.66
3	454	0.99
4	255	1.31
5	164	1.64

Easy Kap Ø80
03.4287.CU
Easy Kap Ø80 Plus
05.7440.CU

22° SPOT



Luminous flux luminaire
1027 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

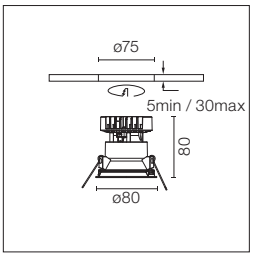
Beam Angle: 22°

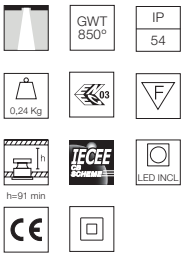
h(m)	E(lx)	D(m)
1	4089	0.40
2	1022	0.79
3	454	1.19
4	256	1.58
5	164	1.98

Easy Kap Ø80 Fixed - Optic Spot - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







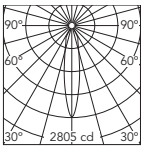
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4287.B1.LE

20° SPOT



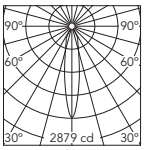
Luminous flux luminaire
740 lm (EXTREME CUT OFF)

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

■ 03.4287.GL.LE

19° SPOT



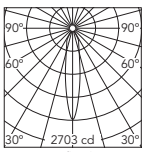
Luminous flux luminaire
696 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2879	0.33
2	720	0.67
3	320	1.00
4	180	1.33
5	115	1.67

■ 03.4287.BU.LE

19° SPOT



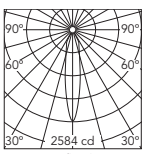
Luminous flux luminaire
644 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2703	0.33
2	676	0.66
3	300	0.99
4	169	1.32
5	108	1.65

■ 03.4287.74.LE

19° SPOT



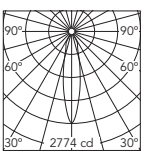
Luminous flux luminaire
632 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2584	0.34
2	646	0.68
3	287	1.02
4	161	1.35
5	103	1.69

■ 03.4287.CU.LE

22° SPOT



Luminous flux luminaire
697 lm (EXTREME CUT OFF)

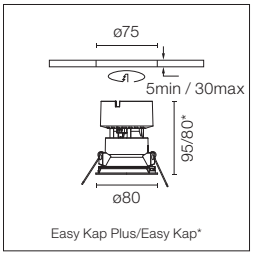
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2774	0.38
2	693	0.76
3	308	1.14
4	173	1.53
5	111	1.91

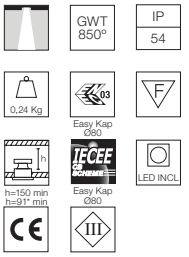
Easy Kap Ø80/Easy Kap Ø80 Plus - Fixed - Optic Medium

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





Easy Kap Plus/Easy Kap*



Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

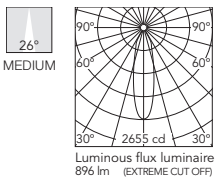
Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
☐ 03.4193.B1
Easy Kap Ø80 Plus
☐ 05.7431.B1

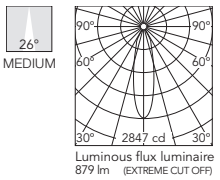


Luminous flux luminaire
896 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
■ 03.4193.GL
Easy Kap Ø80 Plus
■ 05.7431.GL

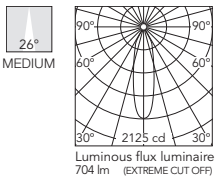


Luminous flux luminaire
879 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2847	0.46
2	712	0.92
3	316	1.38
4	178	1.84
5	114	2.30

Easy Kap Ø80
■ 03.4193.BU
Easy Kap Ø80 Plus
■ 05.7431.BU

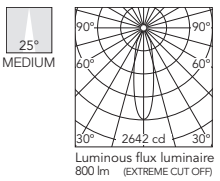


Luminous flux luminaire
704 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2125	0.47
2	531	0.93
3	236	1.40
4	133	1.87
5	85	2.34

Easy Kap Ø80
■ 03.4193.74
Easy Kap Ø80 Plus
■ 05.7431.74

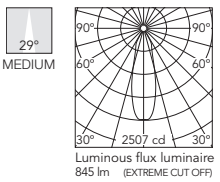


Luminous flux luminaire
800 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2642	0.45
2	661	0.89
3	294	1.34
4	165	1.79
5	106	2.23

Easy Kap Ø80
■ 03.4193.CU
Easy Kap Ø80 Plus
■ 05.7431.CU



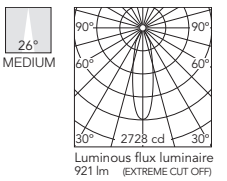
Luminous flux luminaire
845 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2507	0.51
2	627	1.03
3	279	1.54
4	157	2.05
5	100	2.57

3000K

Easy Kap Ø80
☐ 03.4192.B1
Easy Kap Ø80 Plus
☐ 05.7430.B1

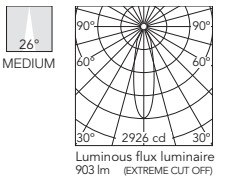


Luminous flux luminaire
921 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
■ 03.4192.GL
Easy Kap Ø80 Plus
■ 05.7430.GL

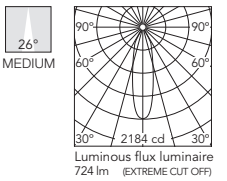


Luminous flux luminaire
903 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2926	0.46
2	731	0.92
3	325	1.38
4	183	1.84
5	117	2.30

Easy Kap Ø80
■ 03.4192.BU
Easy Kap Ø80 Plus
■ 05.7430.BU

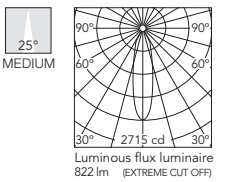


Luminous flux luminaire
724 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2184	0.47
2	546	0.93
3	243	1.40
4	137	1.87
5	87	2.34

Easy Kap Ø80
■ 03.4192.74
Easy Kap Ø80 Plus
■ 05.7430.74

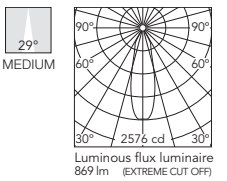


Luminous flux luminaire
822 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2715	0.45
2	679	0.89
3	302	1.34
4	170	1.79
5	109	2.23

Easy Kap Ø80
■ 03.4192.CU
Easy Kap Ø80 Plus
■ 05.7430.CU



Luminous flux luminaire
869 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

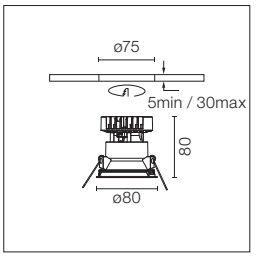
Beam Angle: 29°

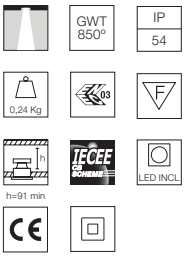
h(m)	E(lx)	D(m)
1	2576	0.51
2	644	1.03
3	286	1.54
4	161	2.05
5	103	2.57

Easy Kap Ø80 Fixed - Optic Medium - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







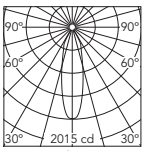
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4192.B1.LE

27° MEDIUM



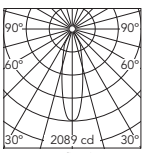
Luminous flux luminaire
735 lm (EXTREME CUT OFF)

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

■ 03.4192.GL.LE

27° MEDIUM



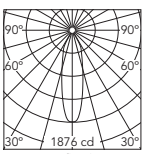
Luminous flux luminaire
705 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2089	0.47
2	522	0.95
3	232	1.42
4	131	1.89
5	84	2.37

■ 03.4192.BU.LE

27° MEDIUM



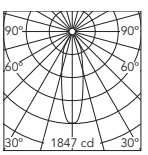
Luminous flux luminaire
641 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1876	0.48
2	469	0.96
3	208	1.44
4	117	1.92
5	75	2.40

■ 03.4192.74.LE

28° MEDIUM



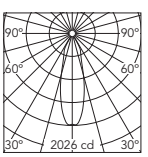
Luminous flux luminaire
637 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1847	0.49
2	462	0.98
3	205	1.47
4	115	1.96
5	74	2.45

■ 03.4192.CU.LE

29° MEDIUM



Luminous flux luminaire
698 lm (EXTREME CUT OFF)

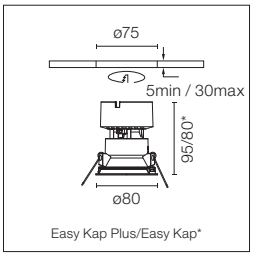
Beam Angle: 29°

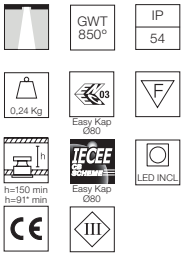
h(m)	E(lx)	D(m)
1	2026	0.52
2	506	1.04
3	225	1.56
4	127	2.09
5	81	2.61

Easy Kap Ø80/Easy Kap Ø80 Plus - Fixed - Optic Flood

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

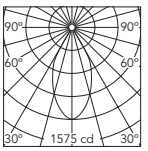
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
03.4298.B1
Easy Kap Ø80 Plus
05.7447.B1

50° FLOOD



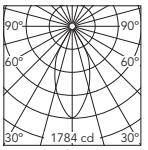
Luminous flux luminaire
1017 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4298.GL
Easy Kap Ø80 Plus
05.7447.GL

45° FLOOD



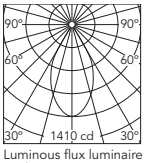
Luminous flux luminaire
976 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1784	0.83
2	446	1.66
3	198	2.48
4	111	3.31
5	71	4.14

Easy Kap Ø80
03.4298.BU
Easy Kap Ø80 Plus
05.7447.BU

53° FLOOD



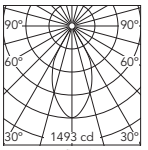
Luminous flux luminaire
895 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1410	1.00
2	352	2.01
3	157	3.01
4	88	4.02
5	56	5.02

Easy Kap Ø80
03.4298.74
Easy Kap Ø80 Plus
05.7447.74

50° FLOOD



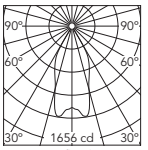
Luminous flux luminaire
885 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1493	0.94
2	373	1.89
3	166	2.83
4	93	3.77
5	60	4.72

Easy Kap Ø80
03.4298.CU
Easy Kap Ø80 Plus
05.7447.CU

45° FLOOD



Luminous flux luminaire
960 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

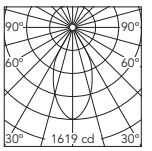
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1656	0.83
2	414	1.66
3	184	2.49
4	103	3.32
5	66	4.14

3000K

Easy Kap Ø80
03.4297.B1
Easy Kap Ø80 Plus
05.7446.B1

50° FLOOD



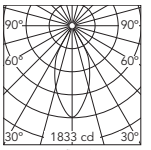
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)

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
03.4297.GL
Easy Kap Ø80 Plus
05.7446.GL

45° FLOOD



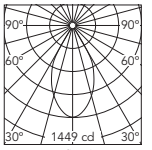
Luminous flux luminaire
1003 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1833	0.83
2	458	1.66
3	204	2.48
4	115	3.31
5	73	4.14

Easy Kap Ø80
03.4297.BU
Easy Kap Ø80 Plus
05.7446.BU

53° FLOOD



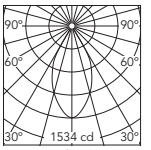
Luminous flux luminaire
920 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1449	1.00
2	362	2.01
3	161	3.01
4	91	4.02
5	58	5.02

Easy Kap Ø80
03.4297.74
Easy Kap Ø80 Plus
05.7446.74

50° FLOOD



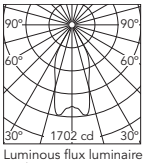
Luminous flux luminaire
909 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1534	0.94
2	384	1.89
3	170	2.83
4	96	3.77
5	61	4.72

Easy Kap Ø80
03.4297.CU
Easy Kap Ø80 Plus
05.7446.CU

45° FLOOD



Luminous flux luminaire
987 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

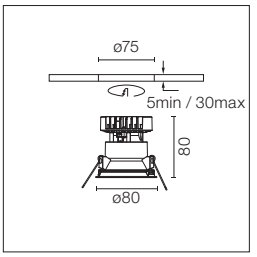
Beam Angle: 45°

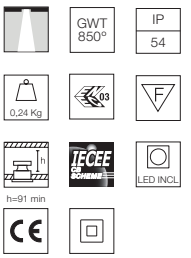
h(m)	E(lx)	D(m)
1	1702	0.83
2	425	1.66
3	189	2.49
4	106	3.32
5	68	4.14

Easy Kap Ø80 Fixed - Optic Flood - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







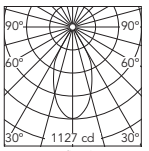
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4297.B1.LE

49° FLOOD



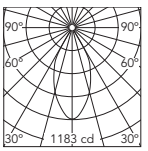
Luminous flux luminaire
729 lm (EXTREME CUT OFF)

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

■ 03.4297.GL.LE

47° FLOOD



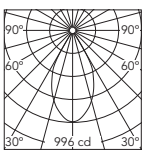
Luminous flux luminaire
690 lm (EXTREME CUT OFF)

Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1183	0.87
2	296	1.75
3	131	2.62
4	74	3.50
5	47	4.37

■ 03.4297.BU.LE

53° FLOOD



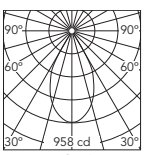
Luminous flux luminaire
631 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	996	1.00
2	249	1.99
3	111	2.99
4	62	3.98
5	40	4.98

■ 03.4297.74.LE

54° FLOOD



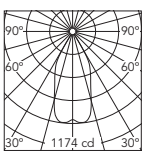
Luminous flux luminaire
622 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	958	1.02
2	239	2.04
3	106	3.06
4	60	4.09
5	38	5.11

■ 03.4297.CU.LE

46° FLOOD



Luminous flux luminaire
694 lm (EXTREME CUT OFF)

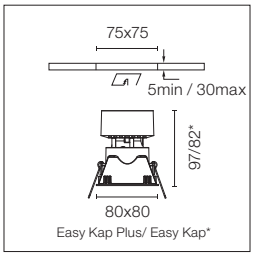
Beam Angle: 46°

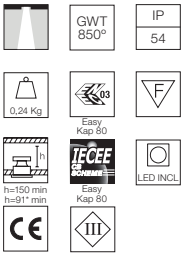
h(m)	E(lx)	D(m)
1	1174	0.86
2	293	1.71
3	130	2.57
4	73	3.42
5	47	4.28

Easy Kap 80 Square/Easy Kap 80 Square Plus - Fixed - Optic Spot

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

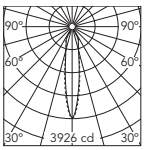
	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap 80 Square
☐ 03.4177.B1
Easy Kap 80 Plus Square
☐ 05.7407.B1

18° SPOT



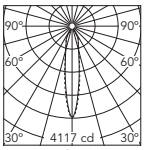
Luminous flux luminaire
1096 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
03.4177.GL
Easy Kap 80 Plus Square
05.7407.GL

18° SPOT



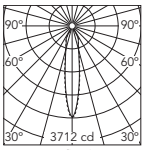
Luminous flux luminaire
1083 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4117	0.31
2	1029	0.63
3	457	0.94
4	257	1.26
5	165	1.57

Easy Kap 80 Square
03.4177.BU
Easy Kap 80 Plus Square
05.7407.BU

18° SPOT



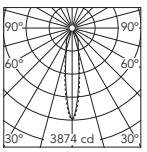
Luminous flux luminaire
979 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3712	0.32
2	928	0.64
3	412	0.96
4	232	1.28
5	148	1.60

Easy Kap 80 Square
03.4177.74
Easy Kap 80 Plus Square
05.7407.74

17° SPOT



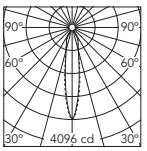
Luminous flux luminaire
989 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3874	0.30
2	969	0.60
3	430	0.90
4	242	1.20
5	155	1.50

Easy Kap 80 Square
03.4177.CU
Easy Kap 80 Plus Square
05.7407.CU

18° SPOT



Luminous flux luminaire
1050 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

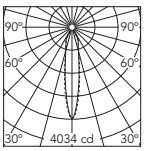
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4096	0.31
2	1024	0.62
3	455	0.94
4	256	1.25
5	164	1.56

3000K

Easy Kap 80 Square
☐ 03.4176.B1
Easy Kap 80 Plus Square
☐ 05.7406.B1

18° SPOT



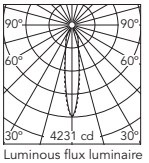
Luminous flux luminaire
1126 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
03.4176.GL
Easy Kap 80 Plus Square
05.7406.GL

18° SPOT



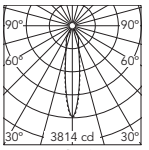
Luminous flux luminaire
1113 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4231	0.31
2	1058	0.63
3	470	0.94
4	264	1.26
5	169	1.57

Easy Kap 80 Square
03.4176.BU
Easy Kap 80 Plus Square
05.7406.BU

18° SPOT



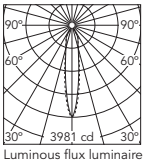
Luminous flux luminaire
1006 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3814	0.32
2	954	0.64
3	424	0.96
4	238	1.28
5	153	1.60

Easy Kap 80 Square
03.4176.74
Easy Kap 80 Plus Square
05.7406.74

17° SPOT



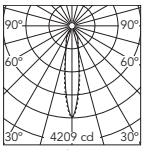
Luminous flux luminaire
1016 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3981	0.30
2	995	0.60
3	442	0.90
4	249	1.20
5	159	1.50

Easy Kap 80 Square
03.4176.CU
Easy Kap 80 Plus Square
05.7406.CU

18° SPOT



Luminous flux luminaire
1079 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

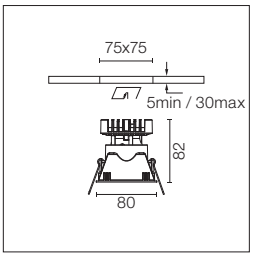
Beam Angle: 18°

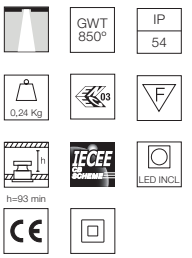
h(m)	E(lx)	D(m)
1	4209	0.31
2	1052	0.62
3	468	0.94
4	263	1.25
5	168	1.56

Easy Kap 80 Square Fixed - Optic Spot - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm





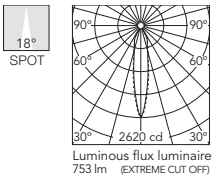


Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

03.4176.B1.LE

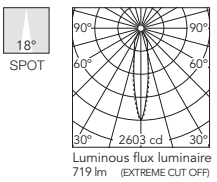


Luminous flux luminaire
753 lm (EXTREME CUT OFF)

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

03.4176.GL.LE

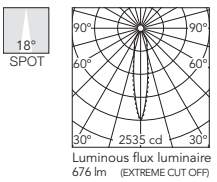


Luminous flux luminaire
719 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2603	0.32
2	651	0.64
3	289	0.96
4	163	1.28
5	104	1.60

03.4176.BU.LE

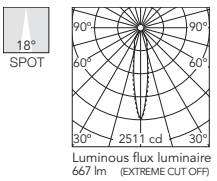


Luminous flux luminaire
676 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2535	0.31
2	634	0.63
3	282	0.94
4	158	1.26
5	101	1.57

03.4176.74.LE

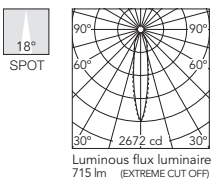


Luminous flux luminaire
667 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2511	0.31
2	628	0.63
3	279	0.94
4	157	1.25
5	100	1.57

03.4176.CU.LE



Luminous flux luminaire
715 lm (EXTREME CUT OFF)

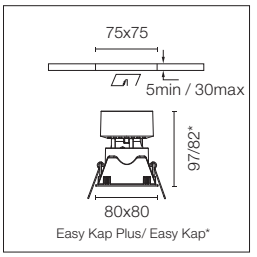
Beam Angle: 18°

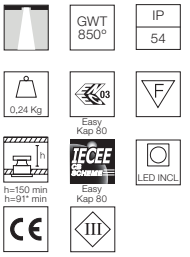
h(m)	E(lx)	D(m)
1	2672	0.32
2	668	0.64
3	297	0.96
4	167	1.29
5	107	1.61

Easy Kap 80 Square/Easy Kap 80 Square Plus - Fixed - Optic Medium

Light Source: Easy Kap 80 Square LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

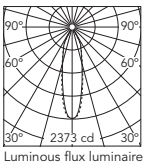
	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap 80 Square
☐ 03.4195.B1
Easy Kap 80 Plus Square
☐ 05.7433.B1

25° MEDIUM



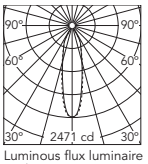
Luminous flux luminaire
910 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
■ 03.4195.GL
Easy Kap 80 Plus Square
■ 05.7433.GL

25° MEDIUM



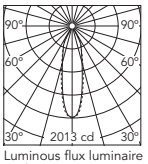
Luminous flux luminaire
887 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2471	0.45
2	618	0.90
3	275	1.34
4	154	1.79
5	99	2.24

Easy Kap 80 Square
■ 03.4195.BU
Easy Kap 80 Plus Square
■ 05.7433.BU

26° MEDIUM



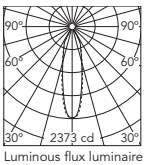
Luminous flux luminaire
741 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2013	0.45
2	503	0.91
3	224	1.36
4	126	1.82
5	81	2.27

Easy Kap 80 Square
■ 03.4195.74
Easy Kap 80 Plus Square
■ 05.7433.74

25° MEDIUM



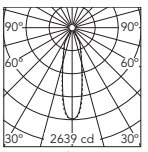
Luminous flux luminaire
827 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2373	0.44
2	593	0.88
3	264	1.32
4	148	1.76
5	95	2.20

Easy Kap 80 Square
■ 03.4195.CU
Easy Kap 80 Plus Square
■ 05.7433.CU

25° MEDIUM



Luminous flux luminaire
945 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

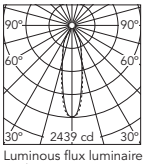
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2639	0.44
2	660	0.88
3	293	1.32
4	165	1.75
5	106	2.19

3000K

Easy Kap 80 Square
☐ 03.4194.B1
Easy Kap 80 Plus Square
☐ 05.7432.B1

25° MEDIUM



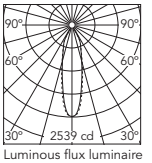
Luminous flux luminaire
935 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
■ 03.4194.GL
Easy Kap 80 Plus Square
■ 05.7432.GL

25° MEDIUM



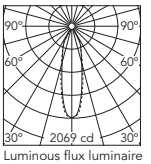
Luminous flux luminaire
911 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2539	0.45
2	635	0.90
3	282	1.34
4	159	1.79
5	102	2.24

Easy Kap 80 Square
■ 03.4194.BU
Easy Kap 80 Plus Square
■ 05.7432.BU

26° MEDIUM



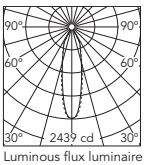
Luminous flux luminaire
762 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2069	0.45
2	517	0.91
3	230	1.36
4	129	1.82
5	83	2.27

Easy Kap 80 Square
■ 03.4194.74
Easy Kap 80 Plus Square
■ 05.7432.74

25° MEDIUM



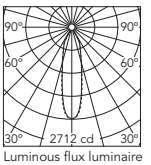
Luminous flux luminaire
850 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2439	0.44
2	610	0.88
3	271	1.32
4	152	1.76
5	98	2.20

Easy Kap 80 Square
■ 03.4194.CU
Easy Kap 80 Plus Square
■ 05.7432.CU

25° MEDIUM



Luminous flux luminaire
971 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

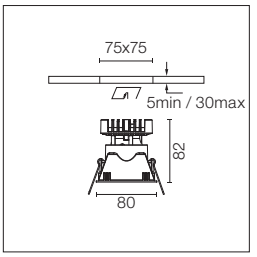
Beam Angle: 25°

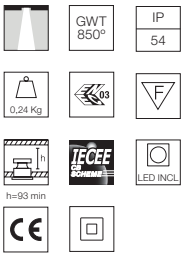
h(m)	E(lx)	D(m)
1	2712	0.44
2	678	0.88
3	301	1.32
4	169	1.75
5	108	2.19

Easy Kap 80 Square Fixed - Optic Medium - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







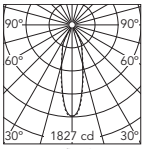
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4194.B1.LE





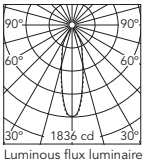
Luminous flux luminaire
750 lm (EXTREME CUT OFF)

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

03.4194.GL.LE





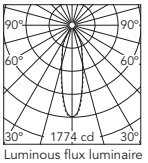
Luminous flux luminaire
720 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1836	0.49
2	459	0.98
3	204	1.47
4	115	1.95
5	73	2.44

03.4194.BU.LE





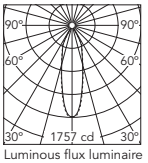
Luminous flux luminaire
676 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1774	0.48
2	444	0.96
3	197	1.44
4	111	1.92
5	71	2.40

03.4194.74.LE





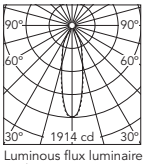
Luminous flux luminaire
669 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1757	0.48
2	439	0.96
3	195	1.44
4	110	1.93
5	70	2.41

03.4194.CU.LE





Luminous flux luminaire
719 lm (EXTREME CUT OFF)

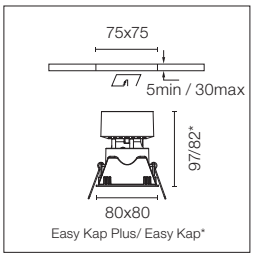
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1914	0.48
2	478	0.95
3	213	1.43
4	120	1.90
5	77	2.38

Easy Kap 80 Square/Easy Kap 80 Square Plus - Fixed - Optic Flood

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90





GWT 850° | IP 54 | 0,24 Kg | Easy Kap 80 | h=150 min h=91* min | Easy Kap 80 | LED INCL | CE | III

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

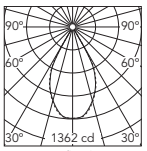
	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap 80 Square
☐ 03.4179.B1
Easy Kap 80 Plus Square
☐ 05.7409.B1

55° FLOOD



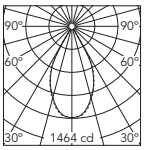
Luminous flux luminaire
1069 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
■ 03.4179.GL
Easy Kap 80 Plus Square
■ 05.7409.GL

53° FLOOD



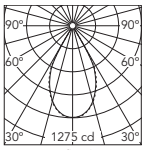
Luminous flux luminaire
1041 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1464	1.00
2	366	2.00
3	163	3.00
4	92	4.00
5	59	5.01

Easy Kap 80 Square
■ 03.4179.BU
Easy Kap 80 Plus Square
■ 05.7409.BU

55° FLOOD



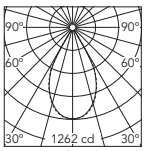
Luminous flux luminaire
947 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1275	1.04
2	319	2.09
3	142	3.13
4	80	4.18
5	51	5.22

Easy Kap 80 Square
■ 03.4179.74
Easy Kap 80 Plus Square
■ 05.7409.74

55° FLOOD



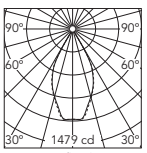
Luminous flux luminaire
947 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1262	1.05
2	315	2.10
3	140	3.16
4	79	4.21
5	50	5.26

Easy Kap 80 Square
■ 03.4179.CU
Easy Kap 80 Plus Square
■ 05.7409.CU

52° FLOOD



Luminous flux luminaire
1013 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

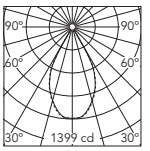
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1479	0.97
2	370	1.93
3	164	2.90
4	92	3.87
5	59	4.84

3000K

Easy Kap 80 Square
☐ 03.4178.B1
Easy Kap 80 Plus Square
☐ 05.7408.B1

55° FLOOD



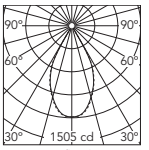
Luminous flux luminaire
1099 lm (EXTREME CUT OFF)

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
■ 03.4178.GL
Easy Kap 80 Plus Square
■ 05.7408.GL

53° FLOOD



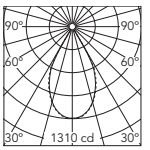
Luminous flux luminaire
1070 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1505	1.00
2	376	2.00
3	167	3.00
4	94	4.00
5	60	5.01

Easy Kap 80 Square
■ 03.4178.BU
Easy Kap 80 Plus Square
■ 05.7408.BU

55° FLOOD



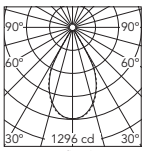
Luminous flux luminaire
973 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1310	1.04
2	327	2.09
3	146	3.13
4	82	4.18
5	52	5.22

Easy Kap 80 Square
■ 03.4178.74
Easy Kap 80 Plus Square
■ 05.7408.74

55° FLOOD



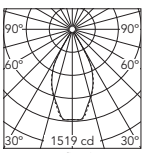
Luminous flux luminaire
973 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1296	1.05
2	324	2.10
3	144	3.16
4	81	4.21
5	52	5.26

Easy Kap 80 Square
■ 03.4178.CU
Easy Kap 80 Plus Square
■ 05.7408.CU

52° FLOOD



Luminous flux luminaire
1041 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

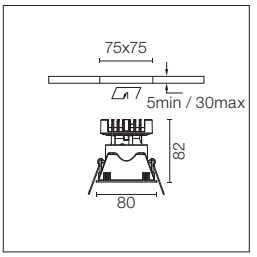
Beam Angle: 52°

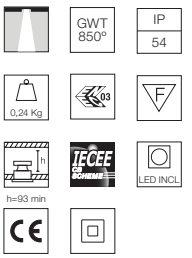
h(m)	E(lx)	D(m)
1	1519	0.97
2	380	1.93
3	169	2.90
4	95	3.87
5	61	4.84

Easy Kap 80 Square Fixed - Optic Flood - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







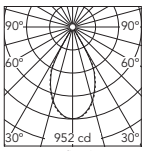
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4178.B1.LE

54° FLOOD



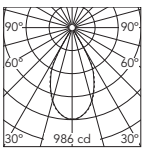
Luminous flux luminaire
736 lm (EXTREME CUT OFF)

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

■ 03.4178.GL.LE

53° FLOOD



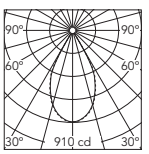
Luminous flux luminaire
715 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	1.00
2	247	2.01
3	110	3.01
4	62	4.01
5	39	5.02

■ 03.4178.BU.LE

54° FLOOD



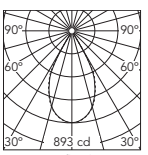
Luminous flux luminaire
661 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	910	1.02
2	227	2.05
3	101	3.07
4	57	4.09
5	36	5.12

■ 03.4178.74.LE

54° FLOOD



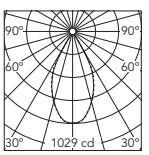
Luminous flux luminaire
659 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	893	1.03
2	223	2.05
3	99	3.08
4	56	4.11
5	36	5.14

■ 03.4178.CU.LE

52° FLOOD



Luminous flux luminaire
703 lm (EXTREME CUT OFF)

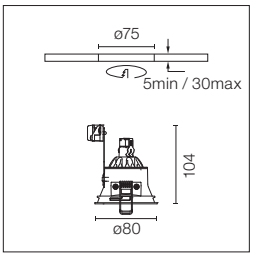
Beam Angle: 52°

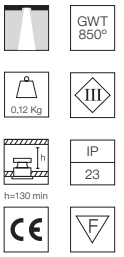
h(m)	E(lx)	D(m)
1	1029	0.97
2	257	1.94
3	114	2.92
4	64	3.89
5	41	4.86

Easy Kap Ø80 Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

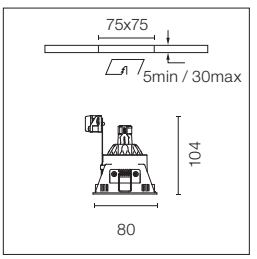
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 03.4210.B1
- 03.4210.GL
- 03.4210.BU
- 03.4210.74
- 03.4210.CU

Easy Kap 80 Square Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

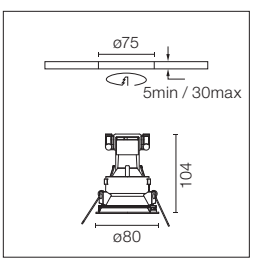
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

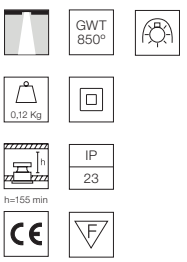
- 03.4208.B1
- 03.4208.GL
- 03.4208.BU
- 03.4208.74
- 03.4208.CU

Easy Kap Ø80 Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.Installation frame not necessary.
Not suitable for lens accessories.

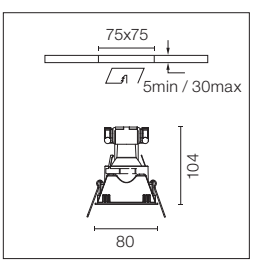
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

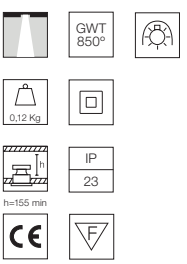
- 03.4211.B1
- 03.4211.GL
- 03.4211.BU
- 03.4211.74
- 03.4211.CU

Easy Kap 80 Square Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.Installation frame not necessary.
Not suitable for lens accessories.

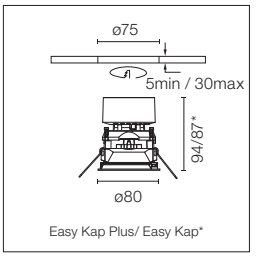
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

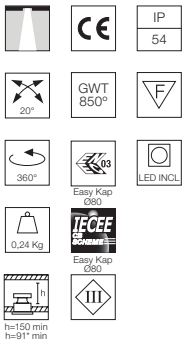
- 03.4209.B1
- 03.4209.GL
- 03.4209.BU
- 03.4209.74
- 03.4209.CU

Easy Kap Ø80/Easy Kap Ø80 Plus - Adjustable - Optic Spot

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

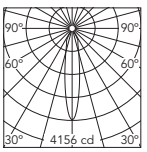
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
03.4153.B1
Easy Kap Ø80 Plus
05.7400.B1

19° SPOT



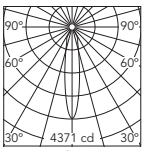
Luminous flux luminaire
1040 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4153.GL
Easy Kap Ø80 Plus
05.7400.GL

19° SPOT



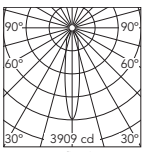
Luminous flux luminaire
1026 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4371	0.33
2	1093	0.66
3	486	0.99
4	273	1.32
5	175	1.65

Easy Kap Ø80
03.4153.BU
Easy Kap Ø80 Plus
05.7400.BU

18° SPOT



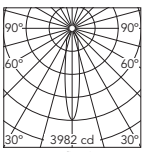
Luminous flux luminaire
923 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3909	0.32
2	977	0.65
3	434	0.97
4	244	1.30
5	156	1.62

Easy Kap Ø80
03.4153.74
Easy Kap Ø80 Plus
05.7400.74

18° SPOT



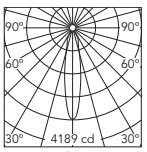
Luminous flux luminaire
932 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3982	0.32
2	996	0.65
3	442	0.97
4	249	1.30
5	159	1.62

Easy Kap Ø80
03.4153.CU
Easy Kap Ø80 Plus
05.7400.CU

21° SPOT



Luminous flux luminaire
1009 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

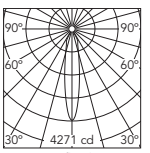
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4189	0.36
2	1047	0.72
3	465	1.09
4	262	1.45
5	168	1.81

3000K

Easy Kap Ø80
03.4170.B1
Easy Kap Ø80 Plus
05.7403.B1

19° SPOT



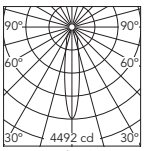
Luminous flux luminaire
1069 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4170.GL
Easy Kap Ø80 Plus
05.7403.GL

19° SPOT



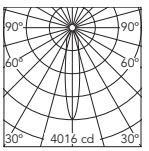
Luminous flux luminaire
1054 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4492	0.33
2	1123	0.66
3	499	0.99
4	281	1.32
5	180	1.65

Easy Kap Ø80
03.4170.BU
Easy Kap Ø80 Plus
05.7403.BU

18° SPOT



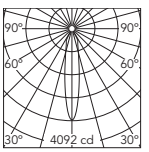
Luminous flux luminaire
949 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4016	0.32
2	1004	0.65
3	446	0.97
4	251	1.30
5	161	1.62

Easy Kap Ø80
03.4170.74
Easy Kap Ø80 Plus
05.7403.74

18° SPOT



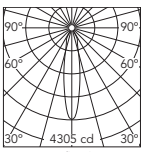
Luminous flux luminaire
957 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4092	0.32
2	1023	0.65
3	455	0.97
4	256	1.30
5	164	1.62

Easy Kap Ø80
03.4170.CU
Easy Kap Ø80 Pluso
05.7403.CU

21° SPOT



Luminous flux luminaire
1037 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

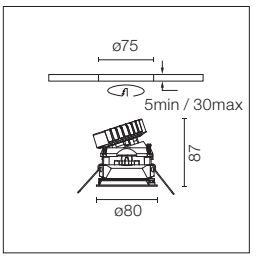
Beam Angle: 21°

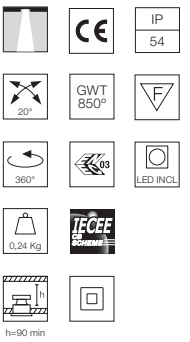
h(m)	E(lx)	D(m)
1	4305	0.36
2	1076	0.72
3	478	1.09
4	269	1.45
5	172	1.81

Easy Kap Ø80 Adjustable - Optic Spot - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







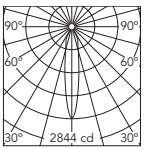
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4170.B1.LE





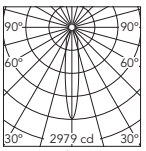
Luminous flux luminaire
716 lm (EXTREME CUT OFF)

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

■ 03.4170.GL.LE





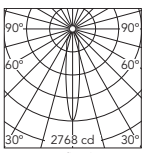
Luminous flux luminaire
684 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2979	0.30
2	745	0.61
3	331	0.91
4	186	1.21
5	119	1.52

■ 03.4170.BU.LE





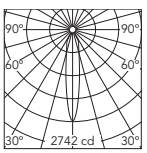
Luminous flux luminaire
639 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2768	0.31
2	692	0.61
3	308	0.92
4	173	1.22
5	111	1.53

■ 03.4170.74.LE





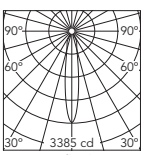
Luminous flux luminaire
629 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2742	0.31
2	686	0.61
3	305	0.92
4	171	1.22
5	110	1.53

■ 03.4170.CU.LE





Luminous flux luminaire
680 lm (EXTREME CUT OFF)

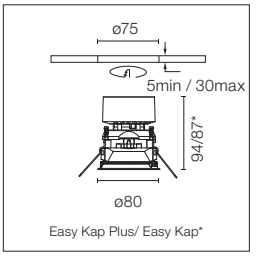
Beam Angle: 17°

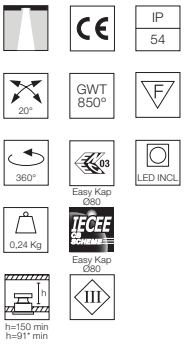
h(m)	E(lx)	D(m)
1	3385	0.30
2	846	0.60
3	376	0.90
4	212	1.20
5	135	1.50

Easy Kap Ø80/Easy Kap Ø80 Plus - Adjustable - Optic Medium

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

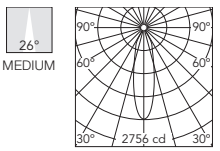
Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
☐ 03.4155.B1
Easy Kap Ø80 Plus
☐ 05.7401.B1



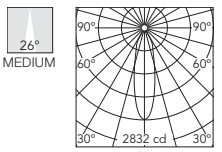
Luminous flux luminaire
982 lm (EXTREME CUT OFF)

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

3000K

Easy Kap Ø80
☐ 03.4171.B1
Easy Kap Ø80 Plus
☐ 05.7404.B1

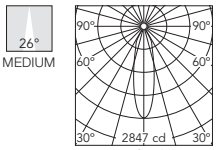


Luminous flux luminaire
1009 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4155.GL
Easy Kap Ø80 Plus
05.7401.GL

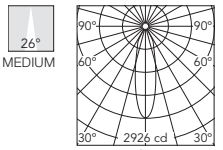


Luminous flux luminaire
922 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2847	0.46
2	712	0.93
3	316	1.39
4	178	1.85
5	114	2.32

Easy Kap Ø80
03.4171.GL
Easy Kap Ø80 Plus
05.7404.GL

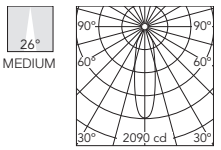


Luminous flux luminaire
947 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2926	0.46
2	731	0.93
3	325	1.39
4	183	1.85
5	117	2.32

Easy Kap Ø80
03.4155.BU
Easy Kap Ø80 Plus
05.7401.BU

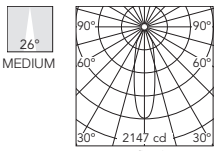


Luminous flux luminaire
703 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2090	0.47
2	522	0.94
3	232	1.40
4	131	1.87
5	84	2.34

Easy Kap Ø80
03.4171.BU
Easy Kap Ø80 Plus
05.7404.BU

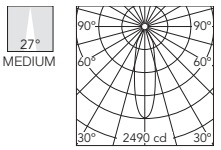


Luminous flux luminaire
723 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2147	0.47
2	537	0.94
3	239	1.40
4	134	1.87
5	86	2.34

Easy Kap Ø80
03.4155.74
Easy Kap Ø80 Plus
05.7401.74

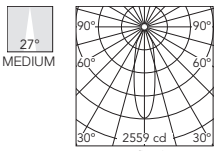


Luminous flux luminaire
831 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2490	0.47
2	622	0.95
3	277	1.42
4	156	1.89
5	100	2.37

Easy Kap Ø80
03.4171.74
Easy Kap Ø80 Plus
05.7404.74

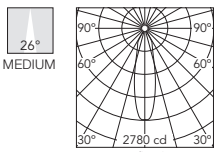


Luminous flux luminaire
854 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2559	0.47
2	640	0.95
3	284	1.42
4	160	1.89
5	102	2.37

Easy Kap Ø80
03.4155.CU
Easy Kap Ø80 Plus
05.7401.CU

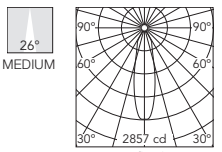


Luminous flux luminaire
871 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2780	0.47
2	695	0.93
3	309	1.40
4	174	1.86
5	111	2.33

Easy Kap Ø80
03.4171.CU
Easy Kap Ø80 Plus
05.7404.CU



Luminous flux luminaire
895 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

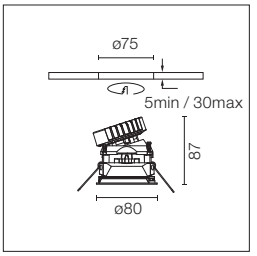
Beam Angle: 26°

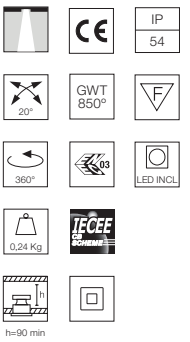
h(m)	E(lx)	D(m)
1	2857	0.47
2	714	0.93
3	317	1.40
4	179	1.86
5	114	2.33

Easy Kap Ø80 Adjustable - Optic Medium - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm





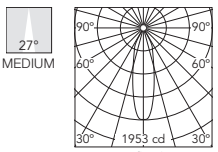


Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4171.B1.LE

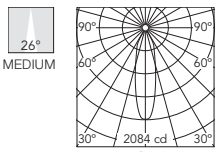


Luminous flux luminaire
722 lm (EXTREME CUT OFF)

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

03.4171.GL.LE

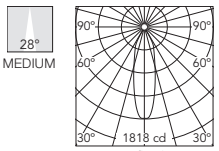


Luminous flux luminaire
695 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2084	0.46
2	521	0.92
3	232	1.38
4	130	1.85
5	83	2.31

03.4171.BU.LE

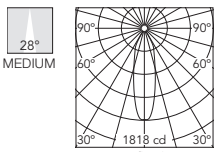


Luminous flux luminaire
630 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	454	0.98
3	202	1.47
4	114	1.96
5	73	2.45

03.4171.74.LE

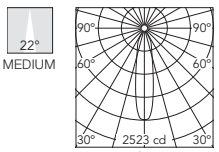


Luminous flux luminaire
631 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	455	0.99
3	202	1.48
4	114	1.97
5	73	2.46

03.4171.CU.LE



Luminous flux luminaire
683 lm (EXTREME CUT OFF)

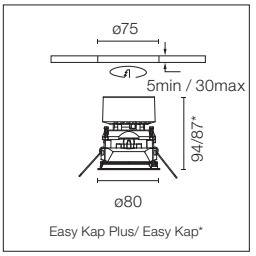
Beam Angle: 22°

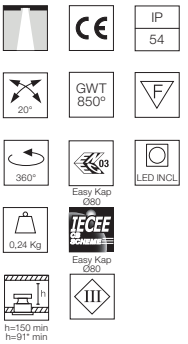
h(m)	E(lx)	D(m)
1	2523	0.39
2	631	0.78
3	280	1.17
4	158	1.56
5	101	1.95

Easy Kap Ø80/Easy Kap Ø80 Plus - Adjustable - Optic Flood

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

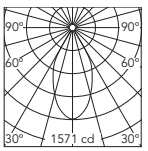
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
03.4157.B1
Easy Kap Ø80 Plus
05.7402.B1

50° FLOOD



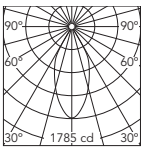
Luminous flux luminaire
1017 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4157.GL
Easy Kap Ø80 Plus
05.7402.GL

45° FLOOD



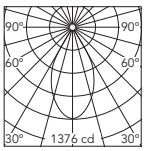
Luminous flux luminaire
987 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1785	0.83
2	446	1.67
3	198	2.50
4	112	3.34
5	71	4.17

Easy Kap Ø80
03.4157.BU
Easy Kap Ø80 Plus
05.7402.BU

54° FLOOD



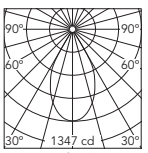
Luminous flux luminaire
882 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1376	1.01
2	344	2.03
3	153	3.04
4	86	4.05
5	55	5.07

Easy Kap Ø80
03.4157.74
Easy Kap Ø80 Plus
05.7402.74

55° FLOOD



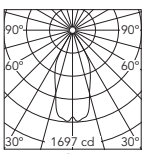
Luminous flux luminaire
884 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1347	1.04
2	337	2.08
3	150	3.12
4	84	4.16
5	54	5.20

Easy Kap Ø80
03.4157.CU
Easy Kap Ø80 Plus
05.7402.CU

46° FLOOD



Luminous flux luminaire
970 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

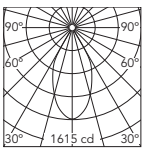
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1697	0.85
2	424	1.70
3	189	2.55
4	106	3.40
5	68	4.26

3000K

Easy Kap Ø80
03.4172.B1
Easy Kap Ø80 Plus
05.7405.B1

50° FLOOD



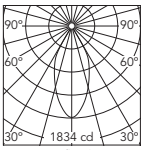
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)

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
03.4172.GL
Easy Kap Ø80 Plus
05.7405.GL

45° FLOOD



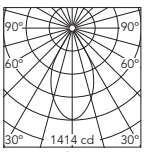
Luminous flux luminaire
1014 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1834	0.83
2	458	1.67
3	204	2.50
4	115	3.34
5	73	4.17

Easy Kap Ø80
03.4172.BU
Easy Kap Ø80 Plus
05.7405.BU

54° FLOOD



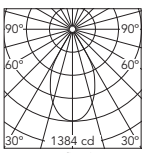
Luminous flux luminaire
906 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1414	1.01
2	353	2.03
3	157	3.04
4	88	4.05
5	57	5.07

Easy Kap Ø80
03.4172.74
Easy Kap Ø80 Plus
05.7405.74

55° FLOOD



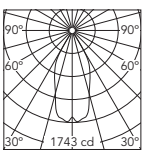
Luminous flux luminaire
909 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1384	1.04
2	346	2.08
3	154	3.12
4	87	4.16
5	55	5.20

Easy Kap Ø80
03.4172.CU
Easy Kap Ø80 Plus
05.7405.CU

46° FLOOD



Luminous flux luminaire
996 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

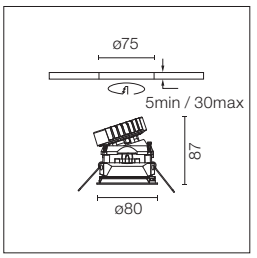
Beam Angle: 46°

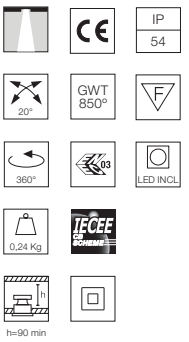
h(m)	E(lx)	D(m)
1	1743	0.85
2	436	1.70
3	194	2.55
4	109	3.40
5	70	4.26

Easy Kap Ø80 Adjustable - Optic Flood - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







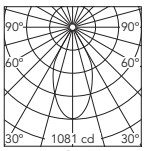
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4172.B1.LE

51° FLOOD



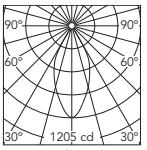
Luminous flux luminaire 707 lm (EXTREME CUT OFF)

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

■ 03.4172.GL.LE

46° FLOOD



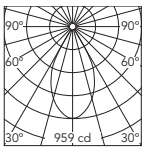
Luminous flux luminaire 677 lm (EXTREME CUT OFF)

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1205	0.85
2	301	1.71
3	134	2.56
4	75	3.41
5	48	4.26

■ 03.4172.BU.LE

54° FLOOD



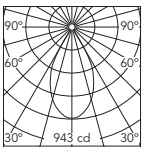
Luminous flux luminaire 619 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	959	1.01
2	240	2.02
3	107	3.03
4	60	4.04
5	38	5.05

■ 03.4172.74.LE

54° FLOOD



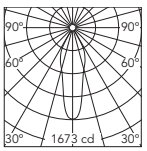
Luminous flux luminaire 608 lm (EXTREME CUT OFF)

Beam Angle: 54°

h(m)	E(lx)	D(m)
1	943	1.01
2	236	2.03
3	105	3.04
4	59	4.06
5	38	5.07

■ 03.4172.CU.LE

27° FLOOD



Luminous flux luminaire 663 lm (EXTREME CUT OFF)

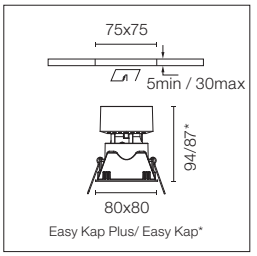
Beam Angle: 27°

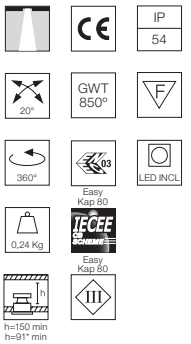
h(m)	E(lx)	D(m)
1	1673	0.49
2	418	0.97
3	186	1.46
4	105	1.94
5	67	2.43

Easy Kap 80 Square/Easy Kap 80 Square Plus - Adjustable - Optic Spot

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

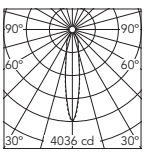
	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap 80 Square
☐ 03.4294.B1
Easy Kap 80 Plus Square
☐ 05.7443.B1

18° SPOT



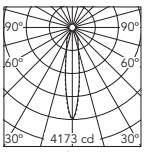
Luminous flux luminaire
1092 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
03.4294.GL
Easy Kap 80 Plus Square
05.7443.GL

17° SPOT



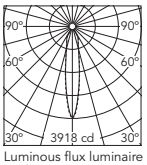
Luminous flux luminaire
1067 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4173	0.31
2	1043	0.62
3	464	0.92
4	261	1.23
5	167	1.54

Easy Kap 80 Square
03.4294.BU
Easy Kap 80 Plus Square
05.7443.BU

18° SPOT



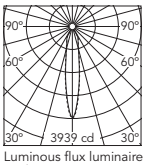
Luminous flux luminaire
997 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3918	0.31
2	979	0.62
3	435	0.93
4	245	1.24
5	157	1.55

Easy Kap 80 Square
03.4294.74
Easy Kap 80 Plus Square
05.7443.74

18° SPOT



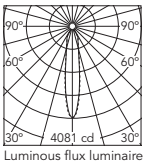
Luminous flux luminaire
997 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3939	0.31
2	985	0.62
3	438	0.93
4	246	1.24
5	158	1.54

Easy Kap 80 Square
03.4294.CU
Easy Kap 80 Plus Square
05.7443.CU

18° SPOT



Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

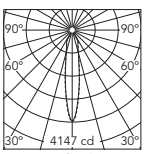
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4081	0.32
2	1020	0.63
3	453	0.95
4	255	1.26
5	163	1.58

3000K

Easy Kap 80 Square
☐ 03.4293.B1
Easy Kap 80 Plus Square
☐ 05.7442.B1

18° SPOT



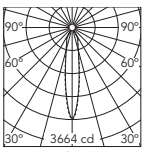
Luminous flux luminaire
1122 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
03.4293.GL
Easy Kap 80 Plus Square
05.7442.GL

17° SPOT



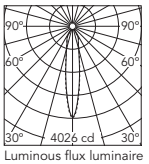
Luminous flux luminaire
937 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3664	0.31
2	916	0.62
3	407	0.92
4	229	1.23
5	147	1.54

Easy Kap 80 Square
03.4293.BU
Easy Kap 80 Plus Square
05.7442.BU

18° SPOT



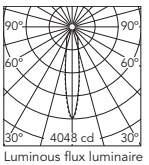
Luminous flux luminaire
1024 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4026	0.31
2	1006	0.62
3	447	0.93
4	252	1.24
5	161	1.55

Easy Kap 80 Square
03.4293.74
Easy Kap 80 Plus Square
05.7442.74

18° SPOT



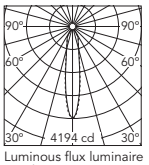
Luminous flux luminaire
1025 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4048	0.31
2	1012	0.62
3	450	0.93
4	253	1.24
5	162	1.54

Easy Kap 80 Square
03.4293.CU
Easy Kap 80 Plus Square
05.7442.CU

18° SPOT



Luminous flux luminaire
1074 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

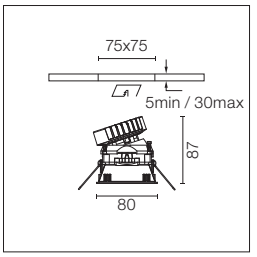
Beam Angle: 18°

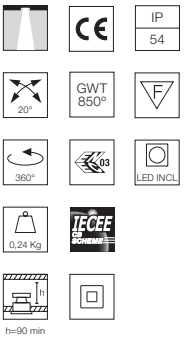
h(m)	E(lx)	D(m)
1	4194	0.32
2	1049	0.63
3	466	0.95
4	262	1.26
5	168	1.58

Easy Kap 80 Square Adjustable - Optic Spot - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm





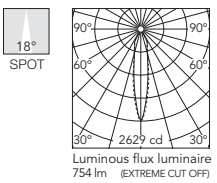


Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4293.B1.LE

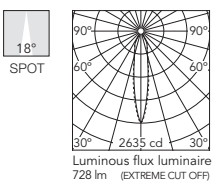


Luminous flux luminaire
754 lm (EXTREME CUT OFF)

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

■ 03.4293.GL.LE

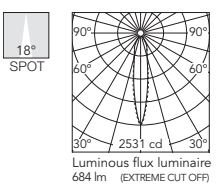


Luminous flux luminaire
728 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2635	0.32
2	659	0.63
3	293	0.95
4	165	1.26
5	105	1.58

■ 03.4293.BU.LE

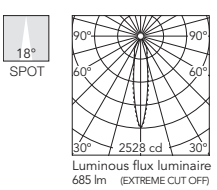


Luminous flux luminaire
684 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2531	0.31
2	633	0.63
3	281	0.94
4	158	1.26
5	101	1.57

■ 03.4293.74.LE

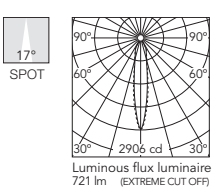


Luminous flux luminaire
685 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2528	0.31
2	632	0.63
3	281	0.94
4	158	1.25
5	101	1.57

■ 03.4293.CU.LE



Luminous flux luminaire
721 lm (EXTREME CUT OFF)

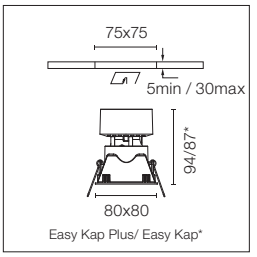
Beam Angle: 17°

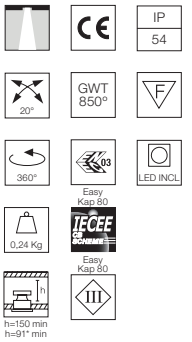
h(m)	E(lx)	D(m)
1	2906	0.30
2	726	0.59
3	323	0.89
4	182	1.18
5	116	1.48

Easy Kap 80 Square/Easy Kap 80 Square Plus - Adjustable - Optic Medium

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

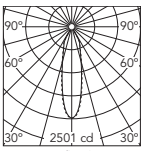
	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap 80 Square
03.4201.B1
Easy Kap 80 Plus Square
05.7439.B1

25° MEDIUM



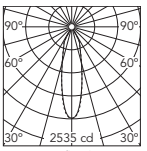
Luminous flux luminaire
932 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
03.4201.GL
Easy Kap 80 Plus Square
05.7439.GL

26° MEDIUM



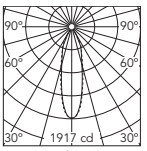
Luminous flux luminaire
901 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2535	0.46
2	634	0.91
3	282	1.37
4	158	1.83
5	101	2.28

Easy Kap 80 Square
03.4201.BU
Easy Kap 80 Plus Square
05.7439.BU

27° MEDIUM



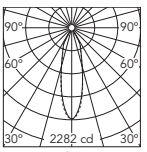
Luminous flux luminaire
727 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1917	0.47
2	479	0.94
3	213	1.41
4	120	1.88
5	77	2.36

Easy Kap 80 Square
03.4201.74
Easy Kap 80 Plus Square
05.7439.74

27° MEDIUM



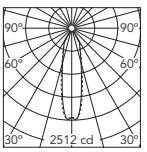
Luminous flux luminaire
845 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2282	0.49
2	570	0.97
3	254	1.46
4	143	1.94
5	91	2.43

Easy Kap 80 Square
03.4201.CU
Easy Kap 80 Plus Square
05.7439.CU

25° MEDIUM



Luminous flux luminaire
914 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

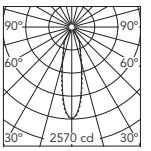
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2512	0.44
2	628	0.87
3	279	1.31
4	157	1.75
5	100	2.18

3000K

Easy Kap 80 Square
03.4200.B1
Easy Kap 80 Plus Square
05.7438.B1

25° MEDIUM



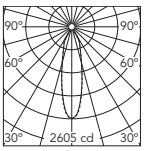
Luminous flux luminaire
958 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
03.4200.GL
Easy Kap 80 Plus Square
05.7438.GL

26° MEDIUM



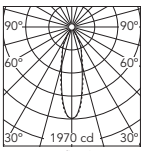
Luminous flux luminaire
926 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2605	0.46
2	651	0.91
3	289	1.37
4	163	1.83
5	104	2.28

Easy Kap 80 Square
03.4200.BU
Easy Kap 80 Plus Square
05.7438.BU

27° MEDIUM



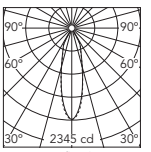
Luminous flux luminaire
748 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1970	0.47
2	492	0.94
3	219	1.41
4	123	1.88
5	79	2.36

Easy Kap 80 Square
03.4200.74
Easy Kap 80 Plus Square
05.7438.74

27° MEDIUM



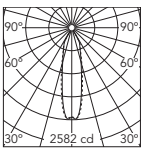
Luminous flux luminaire
868 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2345	0.49
2	586	0.97
3	261	1.46
4	147	1.94
5	94	2.43

Easy Kap 80 Square
03.4200.CU
Easy Kap 80 Plus Square
05.7438.CU

25° MEDIUM



Luminous flux luminaire
940 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

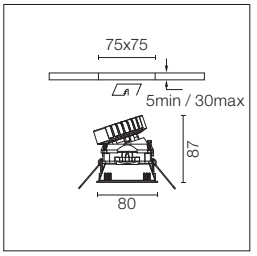
Beam Angle: 25°

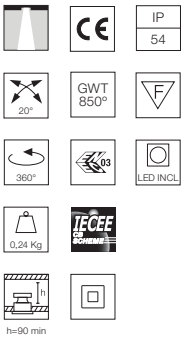
h(m)	E(lx)	D(m)
1	2582	0.44
2	645	0.87
3	287	1.31
4	161	1.75
5	103	2.18

Easy Kap 80 Square Adjustable - Optic Medium - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







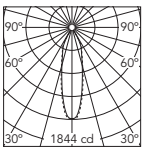
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4200.B1.LE





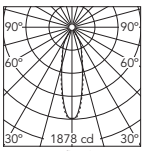
Luminous flux luminaire
752 lm (EXTREME CUT OFF)

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

■ 03.4200.GL.LE





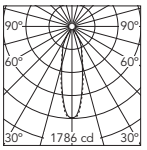
Luminous flux luminaire
735 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1878	0.47
2	470	0.95
3	209	1.42
4	117	1.89
5	75	2.37

■ 03.4200.BU.LE





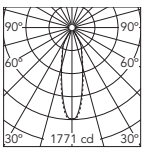
Luminous flux luminaire
696 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1786	0.47
2	447	0.95
3	198	1.42
4	112	1.89
5	71	2.37

■ 03.4200.74.LE





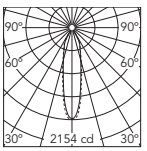
Luminous flux luminaire
685 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1771	0.48
2	443	0.96
3	197	1.44
4	111	1.93
5	71	2.41

■ 03.4200.CU.LE





Luminous flux luminaire
726 lm (EXTREME CUT OFF)

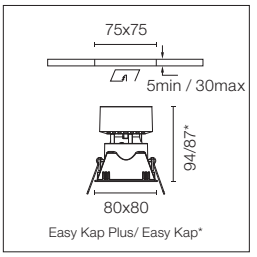
Beam Angle: 22°

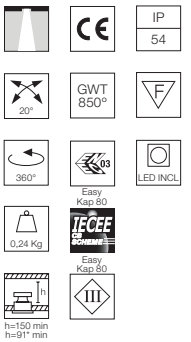
h(m)	E(lx)	D(m)
1	2154	0.40
2	538	0.79
3	239	1.19
4	135	1.59
5	86	1.98

Easy Kap 80 Square/Easy Kap 80 Square Plus - Adjustable - Optic Flood

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

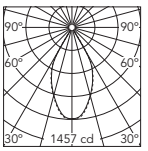
	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap 80 Square
☐ 03.4296.B1
Easy Kap 80 Plus Square
☐ 05.7445.B1

53° FLOOD



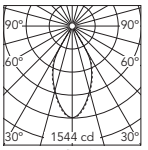
Luminous flux luminaire
1068 lm (EXTREME CUT OFF)

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

Easy Kap 80 Square
■ 03.4296.GL
Easy Kap 80 Plus Square
■ 05.7445.GL

50° FLOOD



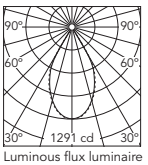
Luminous flux luminaire
1032 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1544	0.93
2	386	1.86
3	172	2.79
4	96	3.72
5	62	4.65

Easy Kap 80 Square
■ 03.4296.BU
Easy Kap 80 Plus Square
■ 05.7445.BU

55° FLOOD



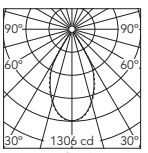
Luminous flux luminaire
960 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1291	1.05
2	323	2.09
3	143	3.14
4	81	4.19
5	52	5.23

Easy Kap 80 Square
■ 03.4296.74
Easy Kap 80 Plus Square
■ 05.7445.74

55° FLOOD



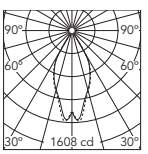
Luminous flux luminaire
950 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1306	1.04
2	326	2.08
3	145	3.11
4	82	4.15
5	52	5.19

Easy Kap 80 Square
■ 03.4296.CU
Easy Kap 80 Plus Square
■ 05.7445.CU

48° FLOOD



Luminous flux luminaire
1009 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

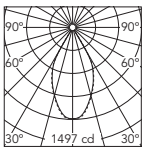
Beam Angle: 48°

h(m)	E(lx)	D(m)
1	1608	0.88
2	402	1.77
3	179	2.65
4	101	3.53
5	64	4.42

3000K

Easy Kap 80 Square
☐ 03.4295.B1
Easy Kap 80 Plus Square
☐ 05.7444.B1

53° FLOOD



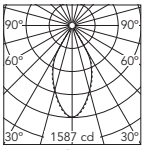
Luminous flux luminaire
1097 lm (EXTREME CUT OFF)

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
■ 03.4295.GL
Easy Kap 80 Plus Square
■ 05.7444.GL

50° FLOOD



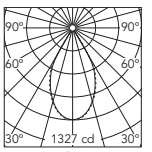
Luminous flux luminaire
1060 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1587	0.93
2	397	1.86
3	176	2.79
4	99	3.72
5	63	4.65

Easy Kap 80 Square
■ 03.4295.BU
Easy Kap 80 Plus Square
■ 05.7444.BU

55° FLOOD



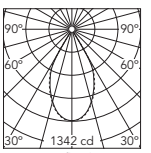
Luminous flux luminaire
986 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1327	1.05
2	332	2.09
3	147	3.14
4	83	4.19
5	53	5.23

Easy Kap 80 Square
■ 03.4295.74
Easy Kap 80 Plus Square
■ 05.7444.74

55° FLOOD



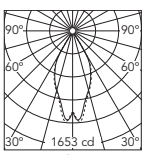
Luminous flux luminaire
976 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1342	1.04
2	335	2.08
3	149	3.11
4	84	4.15
5	54	5.19

Easy Kap 80 Square
■ 03.4295.CU
Easy Kap 80 Plus Square
■ 05.7444.CU

48° FLOOD



Luminous flux luminaire
1037 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

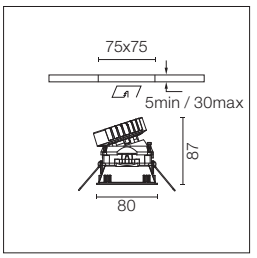
Beam Angle: 48°

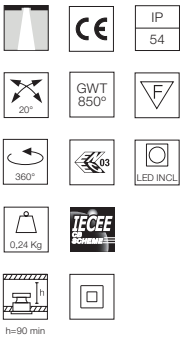
h(m)	E(lx)	D(m)
1	1653	0.88
2	413	1.77
3	184	2.65
4	103	3.53
5	66	4.42

Easy Kap 80 Square Adjustable - Optic Flood - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







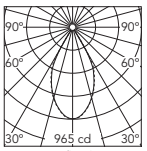
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

☐ 03.4295.B1.LE

53° FLOOD



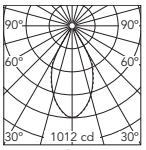
Luminous flux luminaire
732 lm (EXTREME CUT OFF)

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

■ 03.4295.GL.LE

53° FLOOD



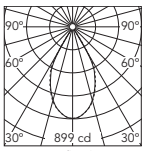
Luminous flux luminaire
720 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1012	0.99
2	253	1.98
3	112	2.97
4	63	3.96
5	40	4.95

■ 03.4295.BU.LE

55° FLOOD



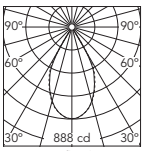
Luminous flux luminaire
669 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	899	1.04
2	225	2.08
3	100	3.12
4	56	4.16
5	36	5.21

■ 03.4295.74.LE

55° FLOOD



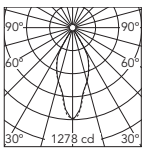
Luminous flux luminaire
660 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	888	1.04
2	222	2.07
3	99	3.11
4	55	4.15
5	36	5.18

■ 03.4295.CU.LE

41° FLOOD



Luminous flux luminaire
707 lm (EXTREME CUT OFF)

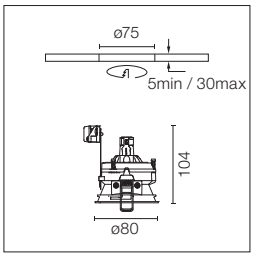
Beam Angle: 41°

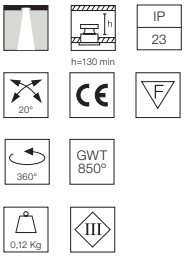
h(m)	E(lx)	D(m)
1	1278	0.75
2	319	1.50
3	142	2.25
4	80	3.00
5	51	3.75

Easy Kap Ø80 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

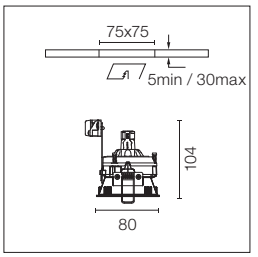
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

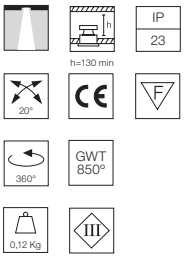
- 03.4160.B1
- 03.4160.GL
- 03.4160.BU
- 03.4160.74
- 03.4160.CU

Easy Kap 80 Square Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

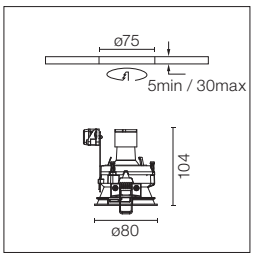
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

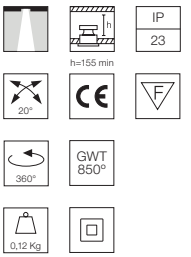
- 03.4212.B1
- 03.4212.GL
- 03.4212.BU
- 03.4212.74
- 03.4212.CU

Easy Kap Ø80 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

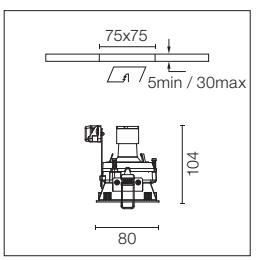
Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

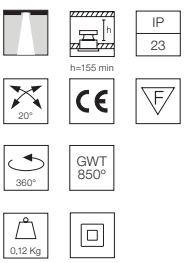
- 03.4162.B1
- 03.4162.GL
- 03.4162.BU
- 03.4162.74
- 03.4162.CU

Easy Kap 80 Square Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

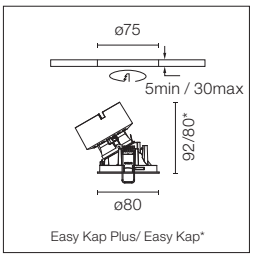
Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

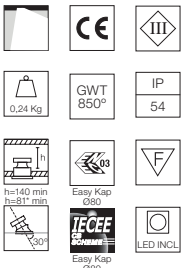
- 03.4213.B1
- 03.4213.GL
- 03.4213.BU
- 03.4213.74
- 03.4213.CU

Easy Kap Ø80/Easy Kap Ø80 Plus - Wall-Washer

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

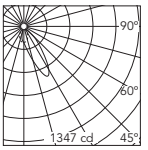
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
☐ 03.4197.B1
Easy Kap Ø80 Plus
☐ 05.7435.B1

28°



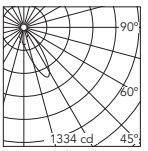
Luminous flux luminaire
884 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
■ 03.4197.GL
Easy Kap Ø80 Plus
■ 05.7435.GL

30°



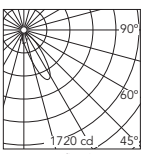
Luminous flux luminaire
838 lm (EXTREME CUT OFF)

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1334	0.67
2	333	1.33
3	148	2.00
4	83	2.67
5	53	3.33

Easy Kap Ø80
■ 03.4197.BU
Easy Kap Ø80 Plus
■ 05.7435.BU

28°



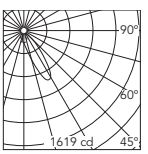
Luminous flux luminaire
938 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1720	0.64
2	430	1.28
3	191	1.91
4	108	2.55
5	69	3.19

Easy Kap Ø80
■ 03.4197.74
Easy Kap Ø80 Plus
■ 05.7435.74

26°



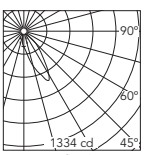
Luminous flux luminaire
806 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1619	0.59
2	405	1.19
3	180	1.78
4	101	2.37
5	65	2.97

Easy Kap Ø80
■ 03.4197.CU
Easy Kap Ø80 Plus
■ 05.7435.CU

28°



Luminous flux luminaire
882 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

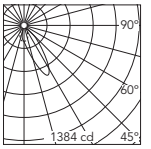
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1334	0.64
2	333	1.27
3	148	1.91
4	83	2.55
5	53	3.19

3000K

Easy Kap Ø80
☐ 03.4196.B1
Easy Kap Ø80 Plus
☐ 05.7434.B1

28°



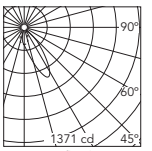
Luminous flux luminaire
908 lm (EXTREME CUT OFF)

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
■ 03.4196.GL
Easy Kap Ø80 Plus
■ 05.7434.GL

30°



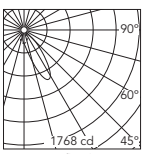
Luminous flux luminaire
861 lm (EXTREME CUT OFF)

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1371	0.67
2	343	1.33
3	152	2.00
4	86	2.67
5	55	3.33

Easy Kap Ø80
■ 03.4196.BU
Easy Kap Ø80 Plus
■ 05.7434.BU

28°



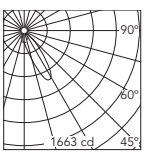
Luminous flux luminaire
964 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1768	0.64
2	442	1.28
3	196	1.91
4	110	2.55
5	71	3.19

Easy Kap Ø80
■ 03.4196.74
Easy Kap Ø80 Plus
■ 05.7434.74

26°



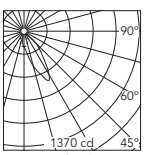
Luminous flux luminaire
828 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1663	0.59
2	416	1.19
3	185	1.78
4	104	2.37
5	67	2.97

Easy Kap Ø80
■ 03.4196.CU
Easy Kap Ø80 Plus
■ 05.7434.CU

28°



Luminous flux luminaire
906 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

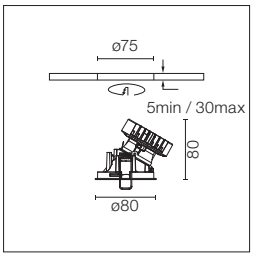
Beam Angle: 28°

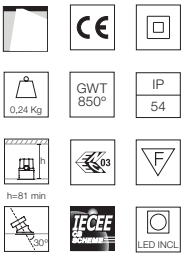
h(m)	E(lx)	D(m)
1	1370	0.64
2	343	1.27
3	152	1.91
4	86	2.55
5	55	3.19

Easy Kap Ø80 Wall-Washer - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







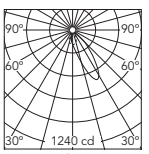
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

03.4196.B1.LE





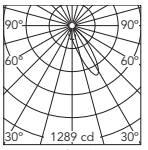
Luminous flux luminaire
770 lm (EXTREME CUT OFF)

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

03.4196.GL.LE





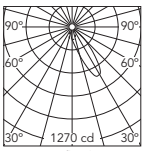
Luminous flux luminaire
718 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1289	0.63
2	322	1.25
3	143	1.88
4	81	2.50
5	52	3.13

03.4196.BU.LE





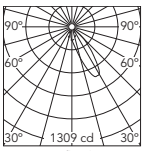
Luminous flux luminaire
672 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1270	0.65
2	317	1.30
3	141	1.96
4	79	2.61
5	51	3.26

03.4196.74.LE





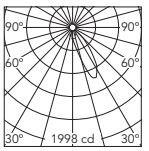
Luminous flux luminaire
682 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1309	0.64
2	327	1.28
3	145	1.92
4	82	2.56
5	52	3.20

03.4196.CU.LE





Luminous flux luminaire
712 lm (EXTREME CUT OFF)

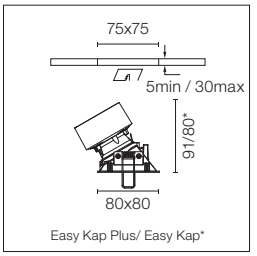
Beam Angle: 27°

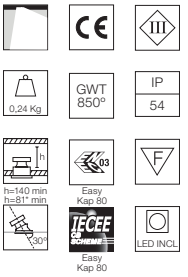
h(m)	E(lx)	D(m)
1	1998	0.60
2	500	1.20
3	222	1.80
4	125	2.40
5	80	3.00

Easy Kap 80 Square/Easy Kap 80 Square Plus - Wall-Washer

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

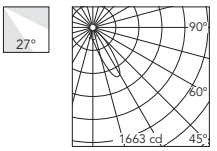
Recommended power supply / Equipos recomendados*:

	Easy Kap 80	Easy Kap 80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80
03.4199.B1
Easy Kap Ø80 Plus
05.7437.B1

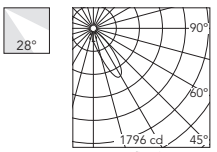


Luminous flux luminaire
924 lm (EXTREME CUT OFF)

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

Easy Kap Ø80
03.4199.GL
Easy Kap Ø80 Plus
05.7437.GL

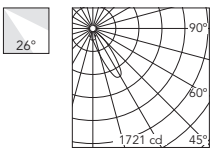


Luminous flux luminaire
1051 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1796	0.68
2	449	1.36
3	200	2.04
4	112	2.72
5	72	3.40

Easy Kap Ø80
03.4199.BU
Easy Kap Ø80 Plus
05.7437.BU

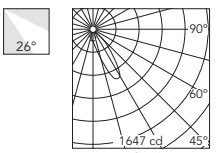


Luminous flux luminaire
904 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1721	0.63
2	430	1.25
3	191	1.88
4	108	2.51
5	69	3.14

Easy Kap Ø80
03.4199.74
Easy Kap Ø80 Plus
05.7437.74

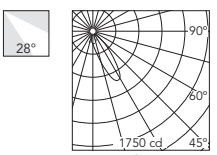


Luminous flux luminaire
844 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1647	0.59
2	412	1.19
3	183	1.78
4	103	2.37
5	66	2.97

Easy Kap Ø80
03.4199.CU
Easy Kap Ø80 Plus
05.7437.CU



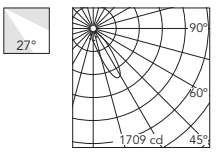
Luminous flux luminaire
932 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1750	0.64
2	437	1.29
3	194	1.93
4	109	2.57
5	70	3.21

3000K

Easy Kap Ø80
03.4198.B1
Easy Kap Ø80 Plus
05.7436.B1

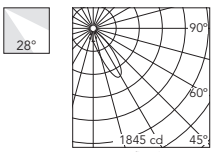


Luminous flux luminaire
950 lm (EXTREME CUT OFF)

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 Ø80
03.4198.GL
Easy Kap Ø80 Plus
05.7436.GL

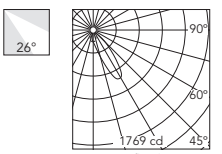


Luminous flux luminaire
1080 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1845	0.68
2	461	1.36
3	205	2.04
4	115	2.72
5	74	3.40

Easy Kap Ø80
03.4198.BU
Easy Kap Ø80 Plus
05.7436.BU

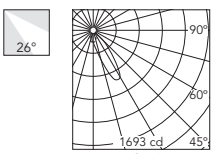


Luminous flux luminaire
929 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1769	0.63
2	442	1.25
3	197	1.88
4	111	2.51
5	71	3.14

Easy Kap Ø80
03.4198.74
Easy Kap Ø80 Plus
05.7436.74

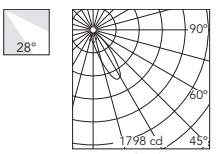


Luminous flux luminaire
867 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1693	0.59
2	423	1.19
3	188	1.78
4	106	2.37
5	68	2.97

Easy Kap Ø80
03.4198.CU
Easy Kap Ø80 Plus
05.7436.CU



Luminous flux luminaire
958 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

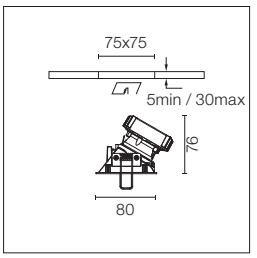
Beam Angle: 28°

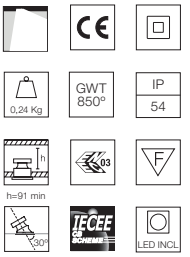
h(m)	E(lx)	D(m)
1	1798	0.64
2	450	1.29
3	200	1.93
4	112	2.57
5	72	3.21

Easy Kap 80 Square Wall-Washer - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm







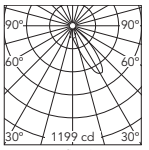
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

03.4198.B1.LE





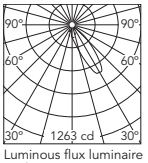
Luminous flux luminaire
723 lm (EXTREME CUT OFF)

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

03.4198.GL.LE





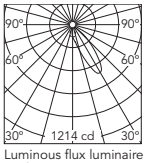
Luminous flux luminaire
721 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1263	0.69
2	316	1.38
3	140	2.07
4	79	2.75
5	51	3.44

03.4198.BU.LE





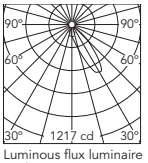
Luminous flux luminaire
632 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1214	0.68
2	304	1.35
3	135	2.03
4	76	2.71
5	49	3.39

03.4198.74.LE





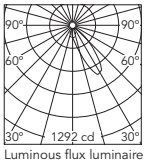
Luminous flux luminaire
695 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1217	0.66
2	304	1.33
3	135	1.99
4	76	2.66
5	49	3.32

03.4198.CU.LE





Luminous flux luminaire
735 lm (EXTREME CUT OFF)

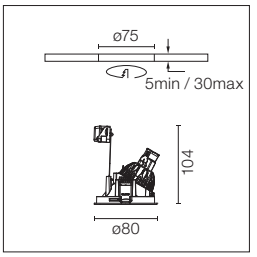
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1292	0.70
2	323	1.40
3	144	2.10
4	81	2.80
5	52	3.50

Easy Kap Ø80 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

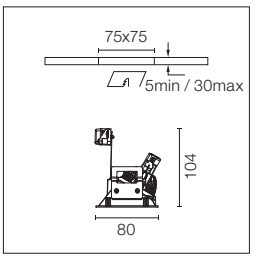
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 03.4220.B1
- 03.4220.GL
- 03.4220.BU
- 03.4220.74
- 03.4220.CU

Easy Kap 80 Square Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

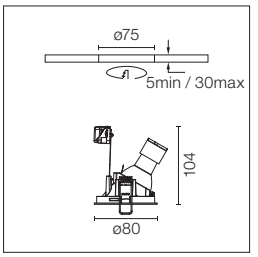
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 03.4218.B1
- 03.4218.GL
- 03.4218.BU
- 03.4218.74
- 03.4218.CU

Easy Kap Ø80 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

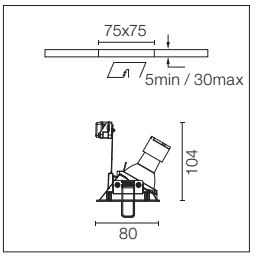
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

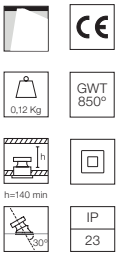
- 03.4221.B1
- 03.4221.GL
- 03.4221.BU
- 03.4221.74
- 03.4221.CU

Easy Kap 80 Square Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

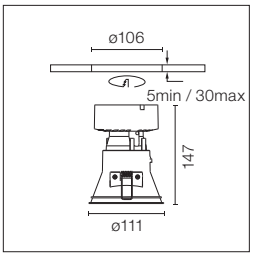
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 03.4219.B1
- 03.4219.GL
- 03.4219.BU
- 03.4219.74
- 03.4219.CU

Easy Kap Ø105 Fixed - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90





GWT 850°

LED INCL

0,55 Kg

III

IP 54

h=150 min

Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

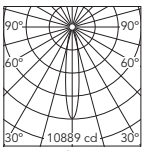
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7000.B1

17° SPOT



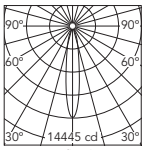
Luminous flux luminaire
1715 lm (EXTREME CUT OFF)

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

3000K

☐ 05.7005.B1

17° SPOT

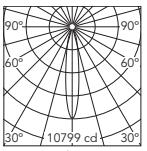


Luminous flux luminaire
2275 lm (EXTREME CUT OFF)

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

■ 05.7000.GL

17° SPOT

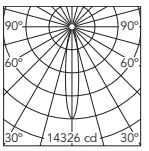


Luminous flux luminaire
1651 lm (EXTREME CUT OFF)

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	10799	0.29
2	2700	0.59
3	1200	0.88
4	675	1.17
5	432	1.47

■ 05.7005.GL

17° SPOT

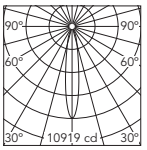


Luminous flux luminaire
2190 lm (EXTREME CUT OFF)

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	14326	0.29
2	3581	0.59
3	1592	0.88
4	895	1.17
5	573	1.47

■ 05.7000.BU

17° SPOT

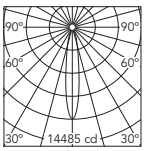


Luminous flux luminaire
1685 lm (EXTREME CUT OFF)

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	10919	0.29
2	2730	0.59
3	1213	0.88
4	682	1.18
5	437	1.47

■ 05.7005.BU

17° SPOT

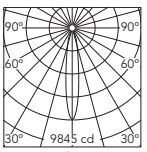


Luminous flux luminaire
2235 lm (EXTREME CUT OFF)

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	14485	0.29
2	3621	0.59
3	1609	0.88
4	905	1.18
5	579	1.47

■ 05.7000.74

16° SPOT

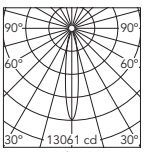


Luminous flux luminaire
1421 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	9845	0.29
2	2461	0.57
3	1094	0.86
4	615	1.14
5	394	1.43

■ 05.7005.74

16° SPOT

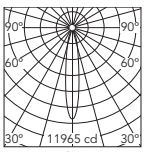


Luminous flux luminaire
1884 lm (EXTREME CUT OFF)

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	13061	0.29
2	3265	0.57
3	1451	0.86
4	816	1.14
5	522	1.43

■ 05.7000.CU

17° SPOT

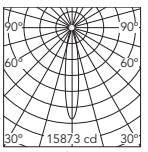


Luminous flux luminaire
1885 lm (EXTREME CUT OFF)

Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	11965	0.30
2	2991	0.59
3	1329	0.89
4	748	1.18
5	479	1.48

■ 05.7005.CU

17° SPOT



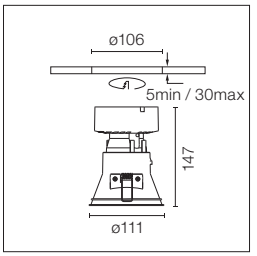
Luminous flux luminaire
2500 lm (EXTREME CUT OFF)

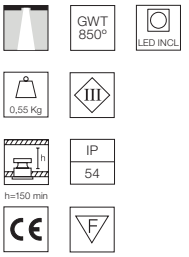
Beam Angle: 17°		
h(m)	E(lx)	D(m)
1	15873	0.30
2	3968	0.59
3	1763	0.89
4	993	1.18
5	635	1.48

Easy Kap Ø105 Fixed - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

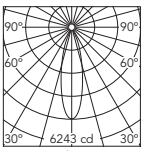
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7001.B1

27° MEDIUM



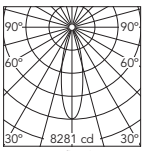
Luminous flux luminaire
1675 lm (EXTREME CUT OFF)

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

3000K

☐ 05.7006.B1

27° MEDIUM

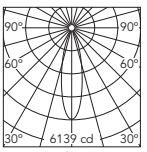


Luminous flux luminaire
2222 lm (EXTREME CUT OFF)

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

■ 05.7001.GL

26° MEDIUM

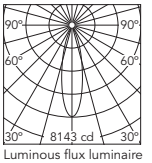


Luminous flux luminaire
1528 lm (EXTREME CUT OFF)

Beam Angle:	26°	
h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

■ 05.7006.GL

26° MEDIUM

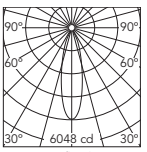


Luminous flux luminaire
2026 lm (EXTREME CUT OFF)

Beam Angle:	26°	
h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

■ 05.7001.BU

27° MEDIUM

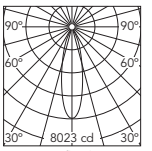


Luminous flux luminaire
1596 lm (EXTREME CUT OFF)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

■ 05.7006.BU

27° MEDIUM

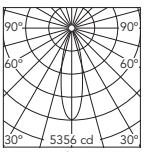


Luminous flux luminaire
2118 lm (EXTREME CUT OFF)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

■ 05.7001.74

27° MEDIUM

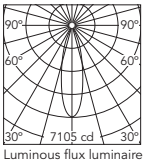


Luminous flux luminaire
1376 lm (EXTREME CUT OFF)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	5356	0.48
2	1339	0.96
3	595	1.44
4	335	1.92
5	214	2.40

■ 05.7006.74

27° MEDIUM

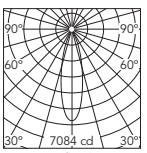


Luminous flux luminaire
1825 lm (EXTREME CUT OFF)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	7105	0.48
2	1776	0.96
3	789	1.44
4	444	1.92
5	284	2.40

■ 05.7001.CU

27° MEDIUM

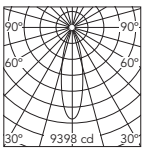


Luminous flux luminaire
1901 lm (EXTREME CUT OFF)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	7084	0.48
2	1772	0.97
3	787	1.45
4	443	1.93
5	283	2.41

■ 05.7006.CU

27° MEDIUM



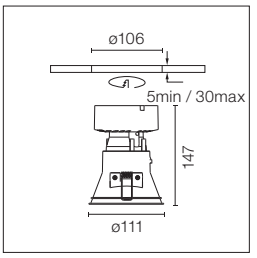
Luminous flux luminaire
2522 lm (EXTREME CUT OFF)

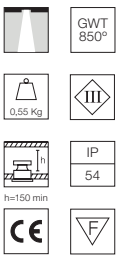
Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	9398	0.48
2	2351	0.97
3	1044	1.45
4	588	1.93
5	376	2.41

Easy Kap Ø105 Fixed - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

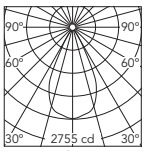
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7002.B1

51° FLOOD



Luminous flux luminaire
1815 lm (EXTREME CUT OFF)

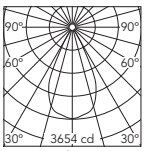
Beam Angle: 51°

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

3000K

☐ 05.7007.B1

51° FLOOD



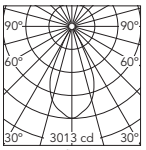
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)

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

05.7002.GL

50° FLOOD



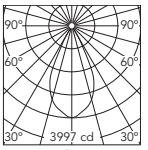
Luminous flux luminaire
1786 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3013	0.93
2	753	1.86
3	335	2.79
4	188	3.72
5	121	4.65

05.7007.GL

50° FLOOD



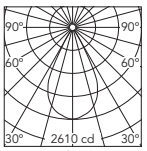
Luminous flux luminaire
2370 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3997	0.93
2	999	1.86
3	444	2.79
4	250	3.72
5	160	4.65

05.7002.BU

53° FLOOD



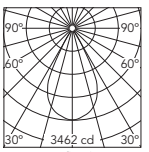
Luminous flux luminaire
1753 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2610	1.01
2	652	2.01
3	290	3.02
4	163	4.03
5	104	5.04

05.7007.BU

53° FLOOD



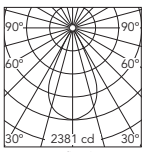
Luminous flux luminaire
2326 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3462	1.01
2	866	2.01
3	385	3.02
4	216	4.03
5	138	5.04

05.7002.74

51° FLOOD



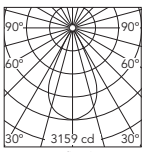
Luminous flux luminaire
1497 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2381	0.95
2	595	1.91
3	265	2.86
4	149	3.82
5	95	4.77

05.7007.74

51° FLOOD



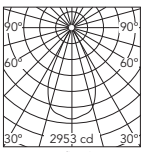
Luminous flux luminaire
1985 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3159	0.95
2	790	1.91
3	351	2.86
4	197	3.82
5	126	4.77

05.7002.CU

51° FLOOD



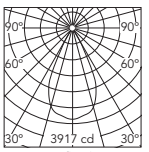
Luminous flux luminaire
1945 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2953	0.96
2	739	1.91
3	329	2.87
4	185	3.82
5	119	4.78

05.7007.CU

51° FLOOD



Luminous flux luminaire
2581 lm (EXTREME CUT OFF)

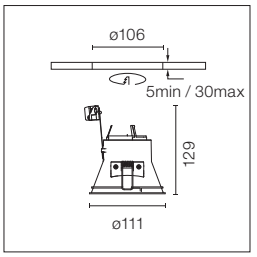
Beam Angle: 51°

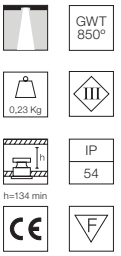
h(m)	E(lx)	D(m)
1	3917	0.96
2	981	1.91
3	436	2.87
4	245	3.82
5	157	4.78

Easy Kap Ø105 Fixed EVO

Light Source: LED QR-CBC 51 GX5.3







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.

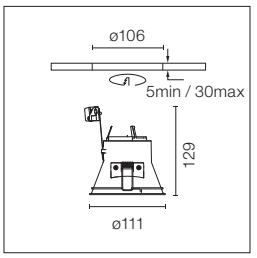
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Para sustituir la bombilla hay que extraer la liminaria.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

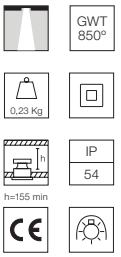
- 05.7030.B1
- 05.7030.GL
- 05.7030.BU
- 05.7030.74
- 05.7030.CU

Easy Kap Ø105 Fixed EVO

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
To replace the bulb, the luminaire must be removed.
Installation frame not necessary.
Not suitable for lens accessories.

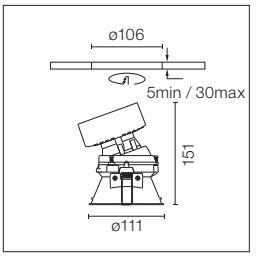
Luminaria empotrable con alimentación directa a red.
Para sustituir la bombilla hay que extraer la liminaria.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

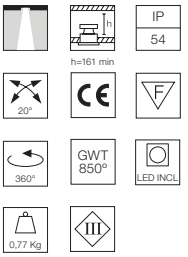
- 05.7031.B1
- 05.7031.GL
- 05.7031.BU
- 05.7031.74
- 05.7031.CU

Easy Kap Ø105 Adjustable - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

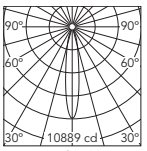
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7010.B1

17° SPOT



Luminous flux luminaire
1715 lm (EXTREME CUT OFF)

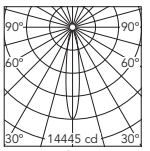
Beam Angle: 17°

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

3000K

☐ 05.7015.B1

17° SPOT



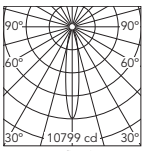
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)

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

05.7010.GL

17° SPOT



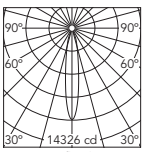
Luminous flux luminaire
1651 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10799	0.29
2	2700	0.59
3	1200	0.88
4	675	1.17
5	432	1.47

05.7015.GL

17° SPOT



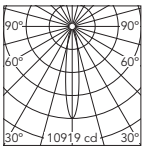
Luminous flux luminaire
2190 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14326	0.29
2	3581	0.59
3	1592	0.88
4	895	1.17
5	573	1.47

05.7010.BU

17° SPOT



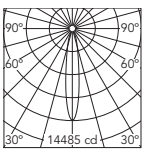
Luminous flux luminaire
1685 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10919	0.29
2	2730	0.59
3	1213	0.88
4	682	1.18
5	437	1.47

05.7015.BU

17° SPOT



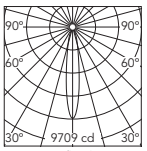
Luminous flux luminaire
2235 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14485	0.29
2	3621	0.59
3	1609	0.88
4	905	1.18
5	579	1.47

05.7010.74

16° SPOT



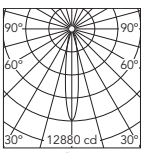
Luminous flux luminaire
1455 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	9709	0.29
2	2427	0.57
3	1079	0.86
4	607	1.15
5	388	1.43

05.7015.74

16° SPOT



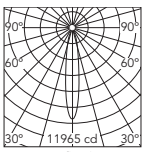
Luminous flux luminaire
1930 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12880	0.29
2	3220	0.57
3	1431	0.86
4	805	1.15
5	515	1.43

05.7010.CU

17° SPOT



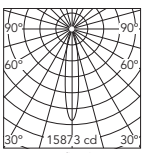
Luminous flux luminaire
1885 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	11965	0.30
2	2991	0.59
3	1329	0.89
4	748	1.18
5	479	1.48

05.7015.CU

17° SPOT



Luminous flux luminaire
2500 lm (EXTREME CUT OFF)

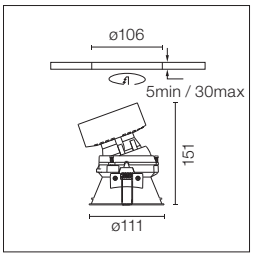
Beam Angle: 17°

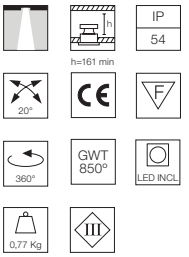
h(m)	E(lx)	D(m)
1	15873	0.30
2	3968	0.59
3	1763	0.89
4	993	1.18
5	635	1.48

Easy Kap Ø105 Adjustable - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

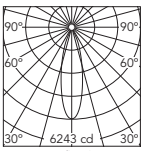
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7011.B1

27° MEDIUM



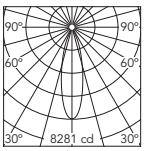
Luminous flux luminaire
1675 lm (EXTREME CUT OFF)

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

3000K

☐ 05.7016.B1

27° MEDIUM

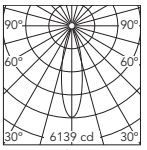


Luminous flux luminaire
2222 lm (EXTREME CUT OFF)

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

■ 05.7011.GL

26° MEDIUM

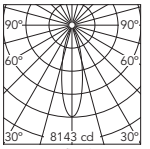


Luminous flux luminaire
1528 lm (EXTREME CUT OFF)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

■ 05.7016.GL

26° MEDIUM

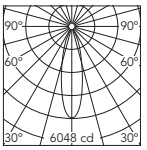


Luminous flux luminaire
2026 lm (EXTREME CUT OFF)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

■ 05.7011.BU

27° MEDIUM

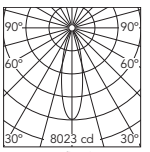


Luminous flux luminaire
1596 lm (EXTREME CUT OFF)

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

■ 05.7016.BU

27° MEDIUM

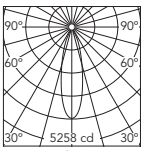


Luminous flux luminaire
2118 lm (EXTREME CUT OFF)

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

■ 05.7011.74

27° MEDIUM

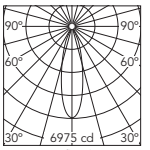


Luminous flux luminaire
1410 lm (EXTREME CUT OFF)

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	5258	0.48
2	1314	0.96
3	584	1.44
4	329	1.92
5	210	2.40

■ 05.7016.74

27° MEDIUM

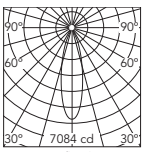


Luminous flux luminaire
1871 lm (EXTREME CUT OFF)

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	6975	0.48
2	1744	0.96
3	775	1.44
4	436	1.92
5	279	2.40

■ 05.7011.CU

27° MEDIUM

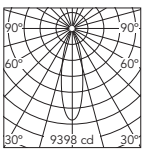


Luminous flux luminaire
1901 lm (EXTREME CUT OFF)

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	7084	0.48
2	1772	0.97
3	787	1.45
4	443	1.93
5	283	2.41

■ 05.7016.CU

27° MEDIUM



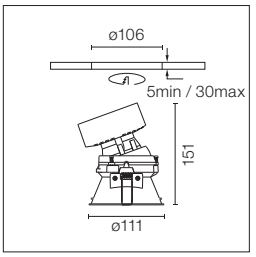
Luminous flux luminaire
2522 lm (EXTREME CUT OFF)

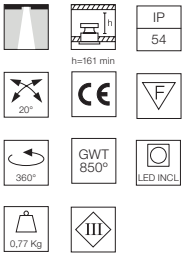
Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	9398	0.48
2	2351	0.97
3	1044	1.45
4	588	1.93
5	376	2.41

Easy Kap Ø105 Adjustable - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

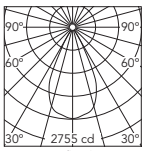
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7012.B1

51° FLOOD



Luminous flux luminaire
1815 lm (EXTREME CUT OFF)

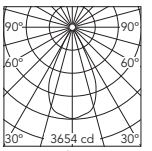
Beam Angle: 51°

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

3000K

☐ 05.7017.B1

51° FLOOD



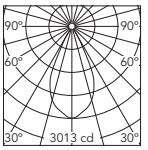
Luminous flux luminaire
2407 lm (EXTREME CUT OFF)

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

05.7012.GL

50° FLOOD



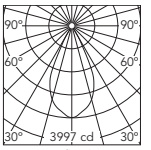
Luminous flux luminaire
1786 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3013	0.93
2	753	1.86
3	335	2.79
4	188	3.72
5	121	4.65

05.7017.GL

50° FLOOD



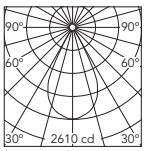
Luminous flux luminaire
2370 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3997	0.93
2	999	1.86
3	444	2.79
4	250	3.72
5	160	4.65

05.7012.BU

53° FLOOD



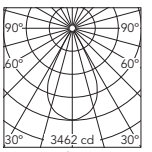
Luminous flux luminaire
1753 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2610	1.01
2	652	2.01
3	290	3.02
4	163	4.03
5	104	5.04

05.7017.BU

53° FLOOD



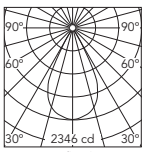
Luminous flux luminaire
2326 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3462	1.01
2	866	2.01
3	385	3.02
4	216	4.03
5	138	5.04

05.7012.74

53° FLOOD



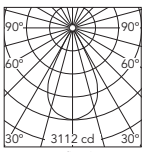
Luminous flux luminaire
1566 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2346	1.00
2	587	2.01
3	261	3.01
4	147	4.02
5	94	5.02

05.7017.74

53° FLOOD



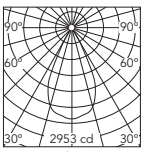
Luminous flux luminaire
2077 lm (EXTREME CUT OFF)

Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3112	1.00
2	778	2.01
3	346	3.01
4	195	4.02
5	124	5.02

05.7012.CU

51° FLOOD



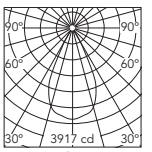
Luminous flux luminaire
1945 lm (EXTREME CUT OFF)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2953	0.96
2	739	1.91
3	329	2.87
4	185	3.82
5	119	4.78

05.7017.CU

51° FLOOD



Luminous flux luminaire
2581 lm (EXTREME CUT OFF)

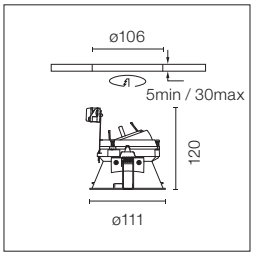
Beam Angle: 51°

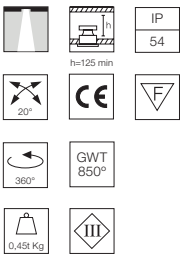
h(m)	E(lx)	D(m)
1	3917	0.96
2	981	1.91
3	436	2.87
4	245	3.82
5	157	4.78

Easy Kap Ø105 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

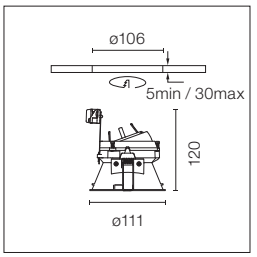
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

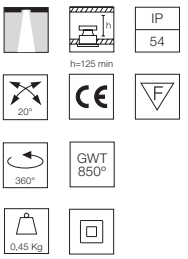
- 05.7035.B1
- 05.7035.GL
- 05.7035.BU
- 05.7035.74
- 05.7035.CU

Easy Kap Ø105 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Marco de instalación no necesario.
Not suitable for lens accessories.

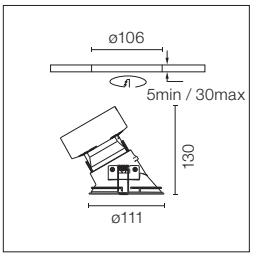
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

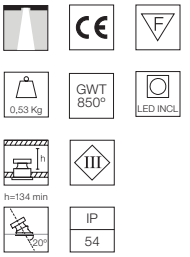
- 05.7036.B1
- 05.7036.GL
- 05.7036.BU
- 05.7036.74
- 05.7036.CU

Easy Kap Ø105 Wall-Washer

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de instalación no necesario.

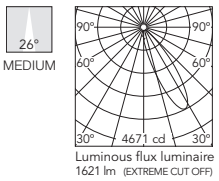
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

☐ 05.7020.B1

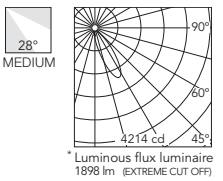


Luminous flux luminaire 1621 lm (EXTREME CUT OFF)

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

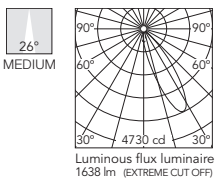
☐ 05.7021.B1



* Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

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

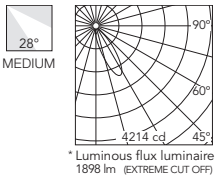
■ 05.7020.GL



Luminous flux luminaire 1638 lm (EXTREME CUT OFF)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

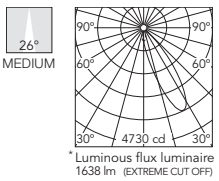
■ 05.7021.GL



* Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

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

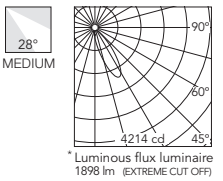
■ 05.7020.BU



* Luminous flux luminaire 1638 lm (EXTREME CUT OFF)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

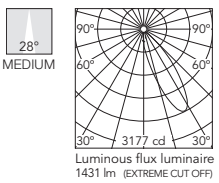
■ 05.7021.BU



* Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

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

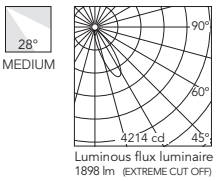
■ 05.7020.74



Luminous flux luminaire 1431 lm (EXTREME CUT OFF)

Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	3177	0.63
2	794	1.26
3	353	1.89
4	199	2.52
5	127	3.16

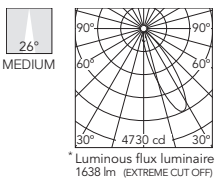
■ 05.7021.74



Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

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

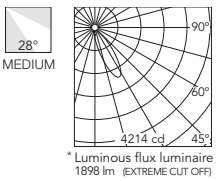
■ 05.7020.CU



* Luminous flux luminaire 1638 lm (EXTREME CUT OFF)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

■ 05.7021.CU



* Luminous flux luminaire 1898 lm (EXTREME CUT OFF)

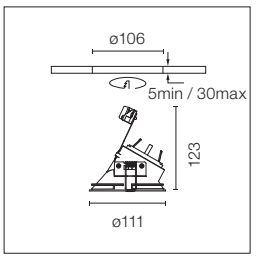
Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

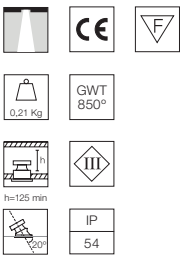
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Easy Kap Ø105 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

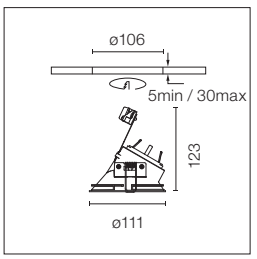
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

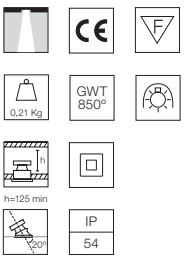
- 05.7040.B1
- 05.7040.GL
- 05.7040.BU
- 05.7040.74
- 05.7040.CU

Easy Kap Ø105 Wall-Washer

Light Source: LED PAR 16 GZ10





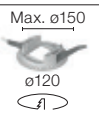
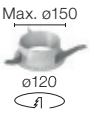
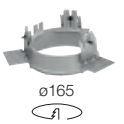


Recessed luminaire with main voltage source.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7041.B1
- 05.7041.GL
- 05.7041.BU
- 05.7041.74
- 05.7041.CU

Accessories / Accesorios

Installation frame No Trim. Kap ø50.	Marco de instalación No Trim. Kap ø50.		Kap ø50 Round ☐ 08.9114.00
Installation frame No Trim. Kap ø80/ø80 Plus	Marco de instalación No Trim. Kap ø80/ø80 Plus.		Kap ø80 Round ☐ 08.9102.00
Installation frame No Trim. Kap 80 Square/80 Plus Square.	Marco de instalación No Trim. Kap 80 Square/80 Plus Square.		Kap 80 Square ☐ 08.9103.00
Installation frame No Trim. Kap ø105 Deep.	Marco de instalación No Trim. Kap ø105 Deep.		Kap ø105 Deep ☐ 08.9104.00
Installation frame No Trim. Kap ø105.	Marco de instalación No Trim. Kap ø105.		Kap ø105 ☐ 08.0132.00
Installation frame No Trim. Kap 105 Square.	Marco de instalación No Trim. Kap 105 Square.		Kap 105 Square ☐ 08.8479.00
Installation frame No Trim. Kap ø145/ø145 Wall-Washer.	Marco de instalación No Trim. Kap ø145/ø145 Wall-Washer.		Kap ø145 ☐ 08.8156.00 Kap ø145 W-W ☐ 08.8251.00
Installation frame Trim. Kap ø145/ø145 Wall-Washer.	Marco de instalación Trim. Kap ø145/ø145 Wall-Washer.		Kap ø145/Kap ø145 W-W ☐ 08.8491.30 08.8491.GL 08.8491.BU 08.8491.14
Installation can for concrete. Kap ø105 Deep/ø145.	Can de instalación para hormigón. Kap ø105 Deep/ø145.		Kap ø105 Deep ☐ 08.8420.00 Kap ø145 ☐ 08.8421.00

BON JOUR

DESIGNED BY PHILIPPE STARCK

BON JOUR Ø45	BON JOUR Ø90	BON JOUR Ø145
		
LIGHT SOURCE POWER LED 6W 575 lm 2700K/CRI 90 615 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 13,5W 1500 lm 2700K/CRI 90 1600 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 27W 2600 lm 2700K/CRI 90 2720 lm 3000K/CRI 90

01 White 01 Blanco	CU Copper CU Cobre	14 Black 14 Negro
		

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.

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

Descripción
Luminaria LED para ser instalada en falso techo.
Una vez instalado, el borde de la luminaria sobresale del techo 10 mm creando un efecto estético único y refinado.
Cuerpo de la luminaria realizado en aluminio inyectado.
Disponible en tres tamaños: Ø45 mm, Ø90 mm y Ø145 mm.
Reflector de aluminio anodizado brillante con elemento difusor realizado en policarbonato.

Unidades de Alimentación
Cableado incluido, diponible para conectar a equipo remoto.
Versión Dali dimmable disponible.
Versiones sin equipo y con equipo 110V disponibles bajo pedido.

Accesorios
- Marco de instalación realizado en material termoplástico para su instalación en falso techo, necesario para las versiones Ø90 mm y Ø145 mm (no es necesario para la versión de Ø45 mm).
- Accesorios honeycomb y cruceta de apantallamiento (incluidos en la versión de Ø45 mm).
- Accesorios de apantallamiento disponibles para la versión ø145, con los mismos acabados que la luminaria Bon Jour decorativa. Ver el catálogo Flos “The Home Collection” para más detalles.

Información Adicional
Índice de protección IP44.
Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

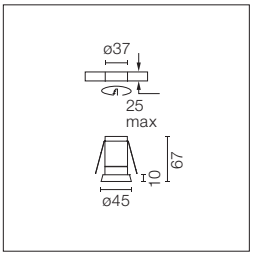
Ø45

Ø90 / Ø145

Bon Jour Ø45

Light Source: Power LED DC 500 mA - 6W - 575 lm - 2700K/CRI 90 / 6W - 615 lm - 3000K/CRI 90





GWT 850° | IP 44 | 0,13 Kg | 03 | F | h | TECEE | DALI | h=67 min | CE | LED INCL

Recessed luminaire with LED light source. Remote 220/240V power supply included. It is necessary to anticipate a space for accessing the driver.

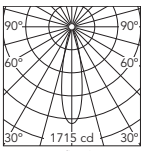
Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida. Necesario acceso al driver por registro.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
Non Dimmable
☐ 03.2001.01
Dali Version
☐ 03.2001.01.DA

24°



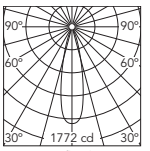
Luminous flux luminaire 352 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1715	0.42
2	429	0.84
3	191	1.27
4	107	1.69
5	69	2.11

3000K
Non Dimmable
☐ 03.2006.01
Dali Version
☐ 03.2006.01.DA

25°



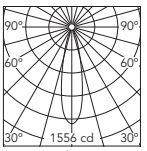
Luminous flux luminaire 392 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1772	0.45
2	443	0.89
3	197	1.34
4	111	1.79
5	71	2.23

2700K
Non Dimmable
■ 03.2001.CU
Dali Version
■ 03.2001.CU.DA

24°



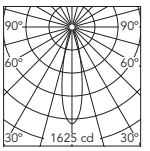
Luminous flux luminaire 335 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1556	0.43
2	389	0.85
3	173	1.28
4	97	1.71
5	62	2.14

3000K
Non Dimmable
■ 03.2006.CU
Dali Version
■ 03.2006.CU.DA

24°



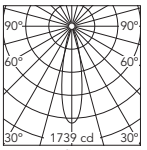
Luminous flux luminaire 340 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1625	0.42
2	406	0.83
3	181	1.25
4	102	1.67
5	65	2.09

2700K
Non Dimmable
■ 03.2001.14
Dali Version
■ 03.2001.14.DA

23°



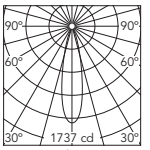
Luminous flux luminaire 352 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	1739	0.41
2	435	0.83
3	193	1.24
4	109	1.66
5	70	2.07

3000K
Non Dimmable
■ 03.2006.14
Dali Version
■ 03.2006.14.DA

24°



Luminous flux luminaire 362 lm

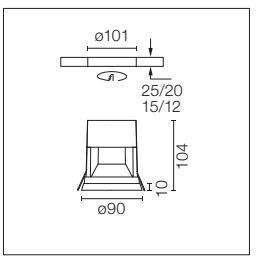
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1737	0.42
2	434	0.84
3	193	1.26
4	109	1.68
5	69	2.10

Bon Jour Ø90

Light Source: LED Array DC 500 mA - 13,5W - 1500 lm - 2700K/CRI 90 / 13,5W - 1600 lm - 3000K/CRI 90





GWT 850° | IP 44 | 0,53 Kg | 03 | F | h | TECEE | DALI | h=155 min | CE | LED INCL

Recessed luminaire with LED light source. Remote 220/240V power supply included.

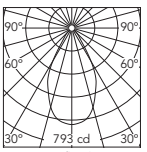
Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Marco de pre-instalación. Se ha de pedir por separado.

2700K
Non Dimmable
☐ 03.2003.01
Dali Version
☐ 03.2003.01.DA

56°



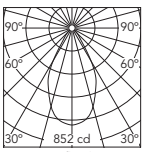
Luminous flux luminaire 736 lm

Beam Angle: 56°

h(m)	E(lx)	D(m)
1	793	1.07
2	198	2.14
3	88	3.21
4	50	4.28
5	32	5.35

3000K
Non Dimmable
☐ 03.2007.01
Dali Version
☐ 03.2007.01.DA

56°



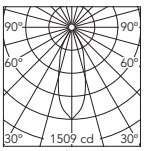
Luminous flux luminaire 781 lm

Beam Angle: 56°

h(m)	E(lx)	D(m)
1	852	1.06
2	213	2.13
3	95	3.19
4	53	4.25
5	34	5.32

2700K
Non Dimmable
■ 03.2003.CU
Dali Version
■ 03.2003.CU.DA

34°



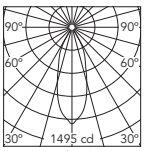
Luminous flux luminaire 640 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	1509	0.60
2	377	1.21
3	168	1.81
4	94	2.42
5	60	3.02

3000K
Non Dimmable
■ 03.2007.CU
Dali Version
■ 03.2007.CU.DA

35°



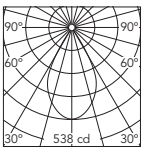
Luminous flux luminaire 655 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1495	0.63
2	374	1.26
3	166	1.89
4	93	2.52
5	60	3.14

2700K
Non Dimmable
■ 03.2003.14
Dali Version
■ 03.2003.14.DA

56°



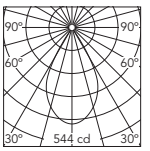
Luminous flux luminaire 383 lm

Beam Angle: 56°

h(m)	E(lx)	D(m)
1	538	1.07
2	135	2.15
3	60	3.22
4	34	4.29
5	22	5.37

3000K
Non Dimmable
■ 03.2007.14
Dali Version
■ 03.2007.14.DA

57°



Luminous flux luminaire 389 lm

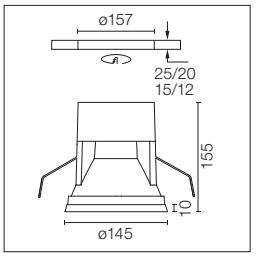
Beam Angle: 57°

h(m)	E(lx)	D(m)
1	544	1.08
2	136	2.15
3	60	3.23
4	34	4.30
5	22	5.38

Bon Jour Ø145

Light Source: LED Array DC 900 mA - 27W - 2600 lm - 2700K/CRI 90 / 27W - 2720 lm - 3000K/CRI 90







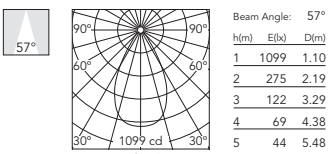
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Marco de pre-instalación. Se ha de pedir por separado.

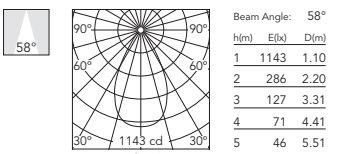
2700K
Non Dimmable
☐ 03.2005.01
Dali Version
☐ 03.2005.01.DA



Luminous flux luminaire
1085 lm

Beam Angle:	57°
h(m) E(lx)	D(m)
1 1099	1.10
2 275	2.19
3 122	3.29
4 69	4.38
5 44	5.48

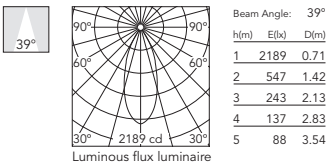
3000K
Non Dimmable
☐ 03.2008.01
Dali Version
☐ 03.2008.01.DA



Luminous flux luminaire
1135 lm

Beam Angle:	58°
h(m) E(lx)	D(m)
1 1143	1.10
2 286	2.20
3 127	3.31
4 71	4.41
5 46	5.51

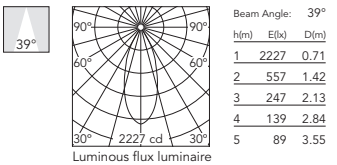
2700K
Non Dimmable
■ 03.2005.CU
Dali Version
■ 03.2005.CU.DA



Luminous flux luminaire
1063 lm

Beam Angle:	39°
h(m) E(lx)	D(m)
1 2189	0.71
2 547	1.42
3 243	2.13
4 137	2.83
5 88	3.54

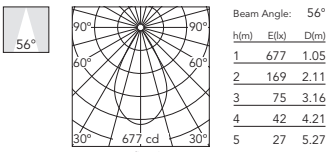
3000K
Non Dimmable
■ 03.2008.CU
Dali Version
■ 03.2008.CU.DA



Luminous flux luminaire
1085 lm

Beam Angle:	39°
h(m) E(lx)	D(m)
1 2227	0.71
2 557	1.42
3 247	2.13
4 139	2.84
5 89	3.55

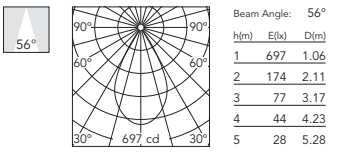
2700K
Non Dimmable
■ 03.2005.14
Dali Version
■ 03.2005.14.DA



Luminous flux luminaire
484 lm

Beam Angle:	56°
h(m) E(lx)	D(m)
1 677	1.05
2 169	2.11
3 75	3.16
4 42	4.21
5 27	5.27

3000K
Non Dimmable
■ 03.2008.14
Dali Version
■ 03.2008.14.DA



Luminous flux luminaire
501 lm

Beam Angle:	56°
h(m) E(lx)	D(m)
1 697	1.06
2 174	2.11
3 77	3.17
4 44	4.23
5 28	5.28

Accessories / Accesorios

Bon Jour Ø90

Pre-installation frame. Marco de pre-instalación.		08.8974.00
Honeycomb and screening crosspiece. Honeycomb y cruceta de apantallamiento.		08.8976.14

Bon Jour Ø145

Pre-installation frame. Marco de pre-instalación.		08.8975.00
Honeycomb and screening crosspiece. Honeycomb y cruceta de apantallamiento.		08.8980.14
Decorative screening accessory. Accesorio decorativo de apantallamiento.		08.8977.00 08.8978.00 08.8979.00

LIGHT SHOOTER

DESIGNED BY FLOS ARCHITECTURAL

FIXED
TRIM / NO TRIM



ADJUSTABLE
TRIM / NO TRIM



WALL-WASHER
TRIM / NO TRIM



LIGHT SOURCE
POWER LED
10W
850 lm
2700K/CRI 90
910 lm
3000K/CRI 90

LIGHT SOURCE
HIGH
POWER LED
11W
910 lm
2700K/CRI 90
1060 lm
3000K/CRI 90

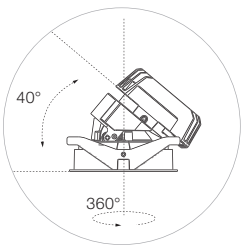
☐ 40 White
40 Blanco

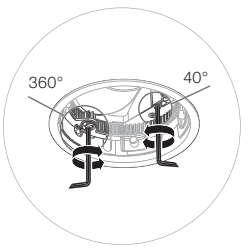


■ 14 Black
14 Negro

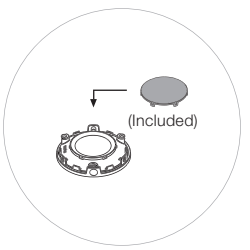


Can be rotated 360° and swivelled 40°
Puede ser rotado 360° y orientado 40°.





IP54



Description
High performance LED and LED dichroic recessed luminaires. Combines the latest LED technology and a very efficient conical system designed to combine high performance with excellent glare protection.
Available in wattages up to 11W in LED. Available for Trim and No Trim installations and fixed, adjustable and Wall-Washer versions.
The adjustable version has an integrated goniometer to achieve the desired beam and its easy-to-use precision mechanism makes it easy to handle and quick to install. Its Torx block mechanism ensures the desired beam angle.
The fixed and adjustable LED versions are available with enclosed and open optics (spot and flood).
To ensure complete coherency in the same installation, the Wall-Washer version is available with the same LED options as the fixed and adjustable versions.

Reflectors
The fixed and adjustable LED versions are available with enclosed and open optics (spot and flood).

Power Supply
Cabling included, ready to be powered by included remote driver.
Versions without driver and 1-10V dimmable available on request.

Accessories
All the models include an accessory for IP54.
- Elliptical distribution lens.
- Honeycomb.

Additional Information
In the adjustable versions, 40° tilting and 360° rotation.
IP44 protection grade.
Insulation class II.

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

Descripción
Luminarias empotradas tipo LED y dicroicas LED de altas prestaciones. Combinan la última tecnología LED con un sistema cónico muy eficiente diseñado para combinar un alto rendimiento y gran protección contra el deslumbramiento.
Disponible en potencias de hasta 11W en LED. Disponible para instalaciones Trim y No Trim y versiones fija, ajustable y Wall-Washer.
La vesión ajustable lleva integrado un goniómetro que ayuda a conseguir el haz de luz deseado con un mecanismo preciso de fácil utilización que facilita su manipulación y ahorra tiempos en instalación. Su mecanismo de bloqueo torx asegura el ángulo de haz de luz deseado.
Las versiones fija y ajustable LED están disponibles con ópticas cerradas y abiertas (spot y flood).
Para garantizar una perfecta coherencia en una misma instalación también está disponible la versión Wall-Washer con las mismas alternativas de LED que las versiones fija y ajustable.

Reflectores
Las versiones fija y ajustable LED están disponibles con ópticas cerradas y abiertas (spot y flood).

Unidades de Alimentación
Cableado incluido, diponible para conectar a equipo remoto. Versiones sin equipo y regulable 1-10V disponibles bajo petición.

Accesorios
Todos los modelos llevan incorporado accesorio para hacerlo IP54.
- Lente de distribución elíptica.
- Honeycomb.

Información Adicional
En las versiones ajustables, basculación de 40° y rotación de 360°.
Índice de protección IP44.
Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

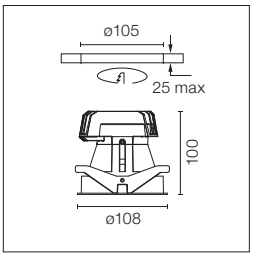
Trim

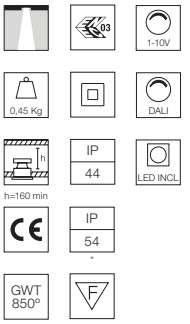
No Trim

Light Shooter Fixed Trim

Light Source: Power LED 10W - 850 lm - 2700K/CRI 90 / 10W - 910 lm - 3000K/CRI 90





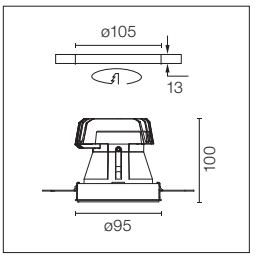


High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.
* Accessory to reach IP54 incorporated.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.
* Incorpora accesorio para alcanzar IP54.

Light Shooter Fixed No Trim



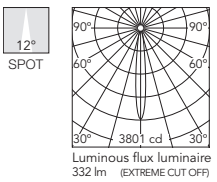


Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim
Non Dimmable
- 03.6509.40A
- 03.6509.14A

Dali Version/1-10V
- 03.6509.40ADA
- 03.6509.14ADA



Luminous flux luminaire 332 lm (EXTREME CUT OFF)

Beam Angle: 12°

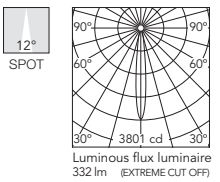
h(m)	E(lx)	D(m)
1	3801	0.22
2	950	0.43
3	422	0.65
4	238	0.86
5	152	1.08

2700K - No Trim
Non Dimmable
- 03.6529.40A
- 03.6529.14A

Dali Version/1-10V
- 03.6529.40ADA
- 03.6529.14ADA

3000K - Trim
Non Dimmable
- 03.6506.40A
- 03.6506.14A

Dali Version/1-10V
- 03.6506.40ADA
- 03.6506.14ADA



Luminous flux luminaire 332 lm (EXTREME CUT OFF)

Beam Angle: 12°

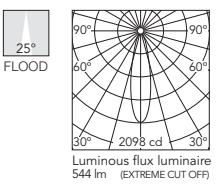
h(m)	E(lx)	D(m)
1	3801	0.22
2	950	0.43
3	422	0.65
4	238	0.86
5	152	1.08

3000K - No Trim
Non Dimmable
- 03.6526.40A
- 03.6526.14A

Dali Version/1-10V
- 03.6526.40ADA
- 03.6526.14ADA

2700K - Trim
Non Dimmable
- 03.6510.40A
- 03.6510.14A

Dali Version/1-10V
- 03.6510.40ADA
- 03.6510.14ADA



Luminous flux luminaire 544 lm (EXTREME CUT OFF)

Beam Angle: 25°

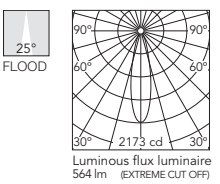
h(m)	E(lx)	D(m)
1	2098	0.44
2	524	0.88
3	233	1.33
4	131	1.77
5	84	2.21

2700K - No Trim
Non Dimmable
- 03.6530.40A
- 03.6530.14A

Dali Version/1-10V
- 03.6530.40ADA
- 03.6530.14ADA

3000K - Trim
Non Dimmable
- 03.6507.40A
- 03.6507.14A

Dali Version/1-10V
- 03.6507.40ADA
- 03.6507.14ADA



Luminous flux luminaire 564 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2173	0.44
2	543	0.88
3	241	1.33
4	136	1.77
5	87	2.21

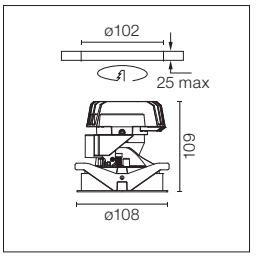
3000K - No Trim
Non Dimmable
- 03.6527.40A
- 03.6527.14A

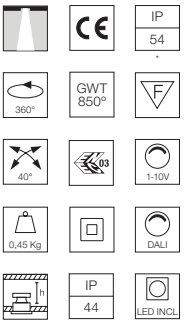
Dali Version/1-10V
- 03.6527.40ADA
- 03.6527.14ADA

Light Shooter Adjustable Trim

Light Source: Power LED 10W - 850 lm - 2700K/CRI 90 / 10W - 910 lm - 3000K/CRI 90





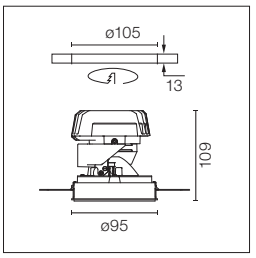


High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.
* Accessory to reach IP54 incorporated.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.
* Incorpora accesorio para alcanzar IP54.

Light Shooter Adjustable No Trim





Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

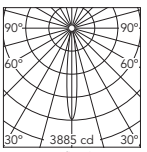
2700K - Trim
Non Dimmable
- 03.6503.40A
- 03.6503.14A

Dali Version/1-10V
- 03.6503.40ADA
- 03.6503.14ADA

2700K - No Trim
Non Dimmable
- 03.6523.40A
- 03.6523.14A

Dali Version/1-10V
- 03.6523.40ADA
- 03.6523.14ADA

13° SPOT



Luminous flux luminaire
317 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	3885	0.22
2	971	0.44
3	432	0.66
4	243	0.88
5	155	1.10

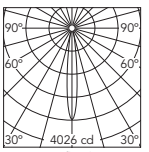
3000K - Trim
Non Dimmable
- 03.6500.40A
- 03.6500.14A

Dali Version/1-10V
- 03.6500.40ADA
- 03.6500.14ADA

3000K - No Trim
Non Dimmable
- 03.6520.40A
- 03.6520.14A

Dali Version/1-10V
- 03.6520.40ADA
- 03.6520.14ADA

13° SPOT



Luminous flux luminaire
328 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	4026	0.22
2	1006	0.44
3	447	0.66
4	252	0.88
5	161	1.10

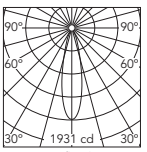
2700K - Trim
Non Dimmable
- 03.6504.40A
- 03.6504.14A

Dali Version/1-10V
- 03.6504.40ADA
- 03.6504.14ADA

2700K - No Trim
Non Dimmable
- 03.6524.40A
- 03.6524.14A

Dali Version/1-10V
- 03.6524.40ADA
- 03.6524.14ADA

25° FLOOD



Luminous flux luminaire
474 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1931	0.44
2	483	0.88
3	215	1.32
4	121	1.75
5	77	2.19

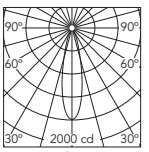
3000K - Trim
Non Dimmable
- 03.6501.40A
- 03.6501.14A

Dali Version/1-10V
- 03.6501.40ADA
- 03.6501.14ADA

3000K - No Trim
Non Dimmable
- 03.6521.40A
- 03.6521.14A

Dali Version/1-10V
- 03.6521.40ADA
- 03.6521.14ADA

25° FLOOD



Luminous flux luminaire
491 lm (EXTREME CUT OFF)

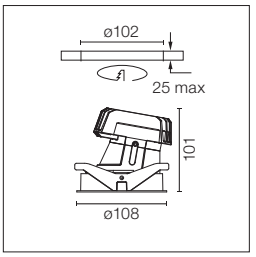
Beam Angle: 25°

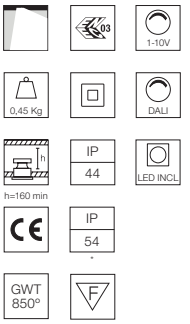
h(m)	E(lx)	D(m)
1	2000	0.44
2	500	0.88
3	222	1.32
4	125	1.75
5	80	2.19

Light Shooter Wall-Washer Trim

Light Source: Power LED 10W - 850 lm - 2700K/CRI 90 / 10W - 910 lm - 3000K/CRI 90





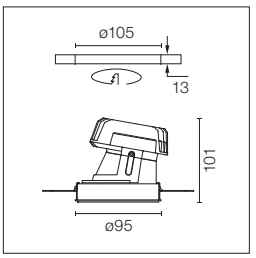


High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.
* Accessory to reach IP54 incorporated.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.
* Incorpora accesorio para alcanzar IP54.

Light Shooter Wall-Washer No Trim





Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

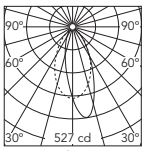
Non Dimmable

☐ 03.6514.40A
■ 03.6514.14A

Dali Version/1-10V

☐ 03.6514.40ADA
■ 03.6514.14ADA





Luminous flux luminaire
407 lm (EXTREME CUT OFF)

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	527	0.62
2	132	1.24
3	59	1.85
4	33	2.47
5	21	3.09

2700K - No Trim

Non Dimmable

☐ 03.6534.40A
■ 03.6534.14A

Dali Version/1-10V

☐ 03.6534.40ADA
■ 03.6534.14ADA

3000K - Trim

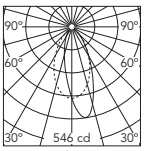
Non Dimmable

☐ 03.6512.40A
■ 03.6512.14A

Dali Version/1-10V

☐ 03.6512.40ADA
■ 03.6512.14ADA





Luminous flux luminaire
421 lm (EXTREME CUT OFF)

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	546	0.62
2	136	1.24
3	61	1.85
4	34	2.47
5	22	3.09

3000K - No Trim

Non Dimmable

☐ 03.6532.40A
■ 03.6532.14A

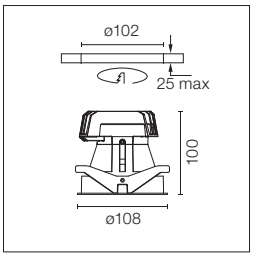
Dali Version/1-10V

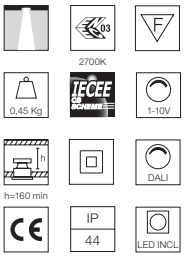
☐ 03.6532.40ADA
■ 03.6532.14ADA

Light Shooter HP Fixed Trim

Light Source: High Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90





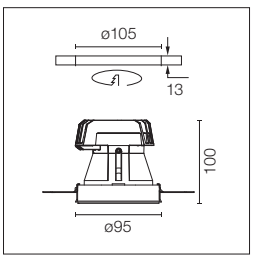


High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.
* Accessory to reach IP54 incorporated.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.
* Incorpora accesorio para alcanzar IP54.

Light Shooter HP Fixed No Trim







Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

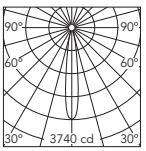
2700K - Trim
Non Dimmable
- 03.6566.40
- 03.6566.14

Dali Version/1-10V
- 03.6566.40.DA
- 03.6566.14.DA

2700K - No Trim
Non Dimmable
- 03.6576.40
- 03.6576.14

Dali Version/1-10V
- 03.6576.40.DA
- 03.6576.14.DA

15° SPOT



Luminous flux luminaire 412 lm (EXTREME CUT OFF)

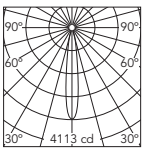
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3740	0.26
2	935	0.53
3	416	0.79
4	234	1.05
5	150	1.31

3000K - Trim
Non Dimmable
- 03.6564.40A
- 03.6564.14A

Dali Version/1-10V
- 03.6564.40ADA
- 03.6564.14ADA

15° SPOT



Luminous flux luminaire 448 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4113	0.26
2	1028	0.52
3	457	0.78
4	257	1.04
5	165	1.30

3000K - No Trim
Non Dimmable
- 03.6574.40A
- 03.6574.14A

Dali Version/1-10V
- 03.6574.40ADA
- 03.6574.14ADA

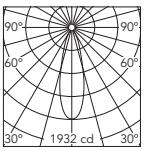
2700K - Trim
Non Dimmable
- 03.6567.40
- 03.6567.14

Dali Version/1-10V
- 03.6567.40.DA
- 03.6567.14.DA

2700K - No Trim
Non Dimmable
- 03.6577.40
- 03.6577.14

Dali Version/1-10V
- 03.6577.40.DA
- 03.6577.14.DA

29° FLOOD



Luminous flux luminaire 625 lm (EXTREME CUT OFF)

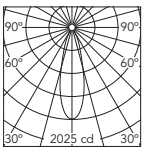
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1932	0.52
2	483	1.04
3	215	1.56
4	121	2.08
5	77	2.60

3000K - Trim
Non Dimmable
- 03.6565.40A
- 03.6565.14A

Dali Version/1-10V
- 03.6565.40ADA
- 03.6565.14ADA

29° FLOOD



Luminous flux luminaire 647 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2025	0.52
2	506	1.04
3	225	1.56
4	127	2.08
5	81	2.60

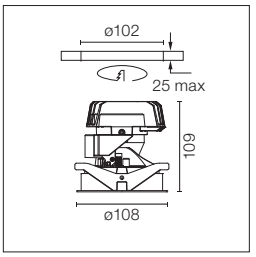
3000K - No Trim
Non Dimmable
- 03.6575.40A
- 03.6575.14A

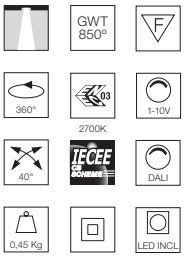
Dali Version/1-10V
- 03.6575.40ADA
- 03.6575.14ADA

Light Shooter HP Adjustable Trim

Light Source: High Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90





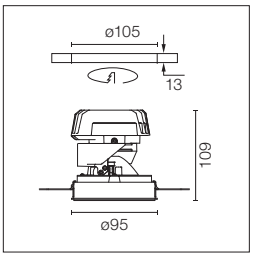


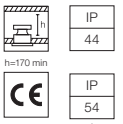
High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.
* Accessory to reach IP54 incorporated.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.
* Incorpora accesorio para alcanzar IP54.

Light Shooter HP Adjustable No Trim







Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

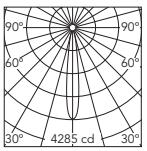
2700K - Trim
Non Dimmable
- 03.6562.40
- 03.6562.14

Dali Version/1-10V
- 03.6562.40.DA
- 03.6562.14.DA

2700K - No Trim
Non Dimmable
- 03.6572.40
- 03.6572.14

Dali Version/1-10V
- 03.6572.40.DA
- 03.6572.14.DA

14° SPOT



Luminous flux luminaire 420 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4285	0.25
2	1071	0.51
3	476	0.76
4	268	1.02
5	171	1.27

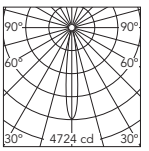
3000K - Trim
Non Dimmable
- 03.6560.40A
- 03.6560.14A

Dali Version/1-10V
- 03.6560.40ADA
- 03.6560.14ADA

3000K - No Trim
Non Dimmable
- 03.6570.40A
- 03.6570.14A

Dali Version/1-10V
- 03.6570.40ADA
- 03.6570.14ADA

14° SPOT



Luminous flux luminaire 453 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4724	0.25
2	1181	0.50
3	525	0.75
4	295	0.99
5	189	1.24

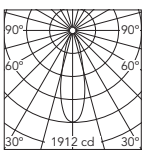
2700K - Trim
Non Dimmable
- 03.6563.40
- 03.6563.14

Dali Version/1-10V
- 03.6563.40.DA
- 03.6563.14.DA

2700K - No Trim
Non Dimmable
- 03.6573.40
- 03.6573.14

Dali Version/1-10V
- 03.6573.40.DA
- 03.6573.14.DA

29° FLOOD



Luminous flux luminaire 592 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1912	0.51
2	478	1.03
3	212	1.54
4	119	2.05
5	76	2.56

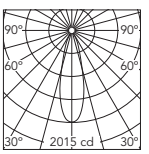
3000K - Trim
Non Dimmable
- 03.6561.40A
- 03.6561.14A

Dali Version/1-10V
- 03.6561.40ADA
- 03.6561.14ADA

3000K - No Trim
Non Dimmable
- 03.6571.40A
- 03.6571.14A

Dali Version/1-10V
- 03.6571.40ADA
- 03.6571.14ADA

28° FLOOD



Luminous flux luminaire 598 lm (EXTREME CUT OFF)

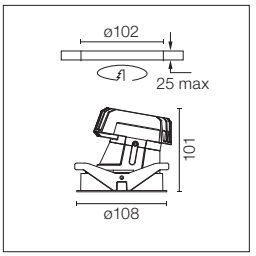
Beam Angle: 28°

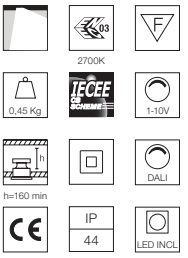
h(m)	E(lx)	D(m)
1	2015	0.50
2	504	1.01
3	224	1.51
4	126	2.02
5	81	2.52

Light Shooter HP Wall-Washer Trim

Light Source: High Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90





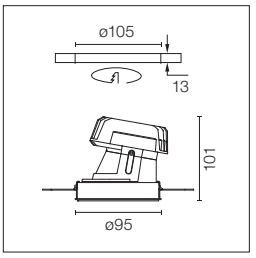


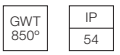
High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.
* Accessory to reach IP54 incorporated.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.
* Incorpora accesorio para alcanzar IP54.

Light Shooter HP Wall-Washer No Trim







Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

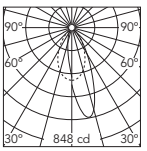
Non Dimmable

- 03.6569.40
- 03.6569.14

Dali Version/1-10V

- 03.6569.40.DA
- 03.6569.14.DA





Luminous flux luminaire
529 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	848	0.49
2	212	0.98
3	94	1.47
4	53	1.96
5	34	2.45

2700K - No Trim

Non Dimmable

- 03.6579.40
- 03.6579.14

Dali Version/1-10V

- 03.6579.40.DA
- 03.6579.14.DA

3000K - Trim

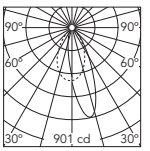
Non Dimmable

- 03.6568.40A
- 03.6568.14A

Dali Version/1-10V

- 03.6568.40ADA
- 03.6568.14ADA





Luminous flux luminaire
577 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	901	0.51
2	225	1.02
3	100	1.53
4	56	2.04
5	36	2.55

3000K - No Trim

Non Dimmable

- 03.6578.40A
- 03.6578.14A

Dali Version/1-10V

- 03.6578.40ADA
- 03.6578.14ADA

Accessories / Accesorios

Elliptical lens.	Lente elíptica.		08.8041.68
Honeycomb.	Honeycomb.		08.8412.14

LIGHT SNIPER

DESIGNED BY FLOS ARCHITECTURAL

FIXED | ADJUSTABLE | WALL-WASHER



LIGHT SOURCE
POWER LED
11W
910 lm
2700K/CRI 90
1060 lm
3000K/CRI 90

06 Chrome
06 Cromo

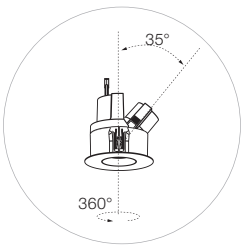
GL Matt Gold
GL Oro Mate

14 Matt Black
14 Negro Mate

Light Sniper
Round / Square



Can be rotated 360° and swivelled 35°.
Puede ser rotado 360° y orientado 35°.



Description
High performance recessed luminaires for LED version. They offer a high comfort due to the back visual position of light source.
Body of the luminaire made of two bodies of injected aluminium. Round or square front ring made of steel sheet 1 mm thick with white matt finish (RAL 9001). It incorporates shielded cones made in zamak injection in three sets: black, matt gold and chrome. Fixed, tilt and wall-washers versions.
In wall-washer versions a distribution lens made of borosilicate is incorporated.

Power Supply
Cabling included, ready to be powered by remote devices. Remote 220-240V power supply included.

Accessories
- Accessory for ceilling protection. Recommended for delicate ceiling installation.
- Accessory flush. Allows flush installation to ceiling or wall.
- CAN accessory for installation in concrete. Facilitates installation on concrete ceilings. It is necessary to install fixture prior to the concrete ceiling.
- Honeycomb.
- Chromatic filters.

Additional Information
In the adjustable versions, the possibility of tilting of 40° and 360° rotation.
IP23, IP44 protection grade depending on the versions.
Insulation class I, II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Luminarias empotrables de altas prestaciones para lámparas LED. Ofrecen un alto confort debido a la posición retrasada de la fuente de luz visual.
Cuerpo de la luminaria realizado en dos cuerpos de aluminio inyectado. Aro frontal realizado en chapa de acero de 1 mm de espesor redondo o cuadrado en acabado blanco mate (RAL 9001). Dispone de conos apantalladores realizados en inyección de zamak en tres decorados: negro, oro mate y cromo. Versiones fijas, basculantes y bañadores de pared.
En las versiones wall-washer incorpora lente de distribución realizada en borosilicato.

Unidades de Alimentación
Precableado incluido, listo para ser alimentado mediante dispositivos a distancia.
Fuente de alimentación remota 220-240V incluida.

Accesorios
- Accesorio protector de techo. Recomendable para instalación en techos delicados.
- Accesorio flush. Permite la instalación enrasada a techo o pared.
- Accesorio CAN de instalación en hormigón. Facilita la instalación en techos de hormigón. Es necesario disponer e instalar del accesorio antes de realizar el techo de hormigón.
- Honeycomb.
- Filtros cromáticos.

Información Adicional
En las versiones ajustables, posibilidad de basculación de 40° y de rotación de 360°.
Índice de protección IP23, IP44, según las versiones.
Clase de aislamiento I, II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

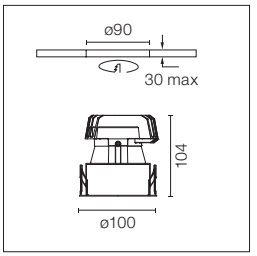
Fixed

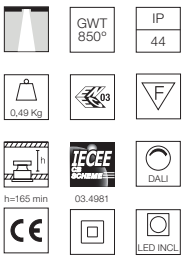
Adjustable

Light Sniper Fixed Round

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90







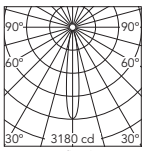
High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K
Non Dimmable
- 03.4981.06
- 03.4981.GL
- 03.4981.14

Dali Version / 1-10V / Push
- 03.4981.06.DA
- 03.4981.GL.DA
- 03.4981.14.DA

15° SPOT



Luminous flux luminaire
351 lm (EXTREME CUT OFF)

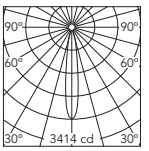
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3180	0.27
2	795	0.53
3	353	0.80
4	199	1.07
5	127	1.33

3000K
Non Dimmable
- 03.4980.06A
- 03.4980.GLA
- 03.4980.14A

Dali Version / 1-10V / Push
- 03.4980.06ADA
- 03.4980.GLADA
- 03.4980.14ADA

15° SPOT



Luminous flux luminaire
377 lm (EXTREME CUT OFF)

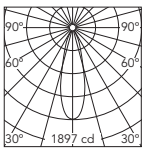
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3414	0.27
2	854	0.53
3	379	0.80
4	213	1.07
5	137	1.33

2700K
Non Dimmable
- 03.4993.06
- 03.4993.GL
- 03.4993.14

Dali Version / 1-10V / Push
- 03.4993.06.DA
- 03.4993.GL.DA
- 03.4993.14.DA

28° MEDIUM



Luminous flux luminaire
558 lm (EXTREME CUT OFF)

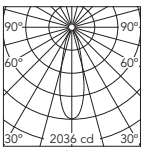
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1897	0.51
2	474	1.01
3	211	1.52
4	119	2.02
5	76	2.53

3000K
Non Dimmable
- 03.4992.06A
- 03.4992.GLA
- 03.4992.14A

Dali Version / 1-10V / Push
- 03.4992.06ADA
- 03.4992.GLADA
- 03.4992.14ADA

28° MEDIUM



Luminous flux luminaire
599 lm (EXTREME CUT OFF)

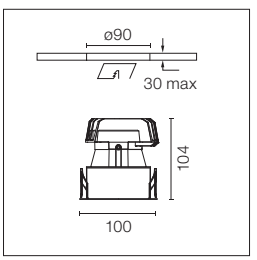
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	2036	0.51
2	509	1.01
3	226	1.52
4	127	2.02
5	81	2.53

Light Sniper Fixed Square

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90







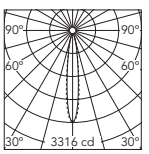
High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K
Non Dimmable
- 03.4983.06
- 03.4983.GL
- 03.4983.14

Dali Version / 1-10V / Push
- 03.4983.06.DA
- 03.4983.GL.DA
- 03.4983.14.DA

14° SPOT



Luminous flux luminaire
335 lm (EXTREME CUT OFF)

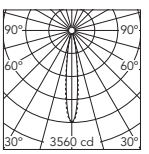
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3316	0.25
2	829	0.50
3	368	0.75
4	207	0.99
5	133	1.24

3000K
Non Dimmable
- 03.4982.06A
- 03.4982.GLA
- 03.4982.14A

Dali Version / 1-10V / Push
- 03.4982.06ADA
- 03.4982.GLADA
- 03.4982.14ADA

14° SPOT



Luminous flux luminaire
360 lm (EXTREME CUT OFF)

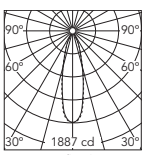
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3560	0.25
2	890	0.50
3	396	0.75
4	222	0.99
5	142	1.24

2700K
Non Dimmable
- 03.4995.06
- 03.4995.GL
- 03.4995.14

Dali Version / 1-10V / Push
- 03.4995.06.DA
- 03.4995.GL.DA
- 03.4995.14.DA

26° MEDIUM



Luminous flux luminaire
537 lm (EXTREME CUT OFF)

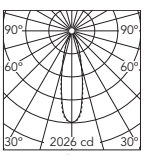
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1887	0.47
2	472	0.93
3	210	1.40
4	118	1.87
5	75	2.34

3000K
Non Dimmable
- 03.4994.06A
- 03.4994.GLA
- 03.4994.14A

Dali Version / 1-10V / Push
- 03.4994.06ADA
- 03.4994.GLADA
- 03.4994.14ADA

26° MEDIUM



Luminous flux luminaire
576 lm (EXTREME CUT OFF)

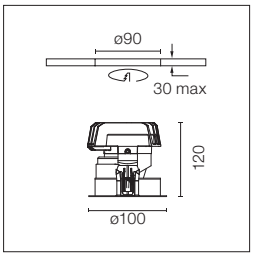
Beam Angle: 26°

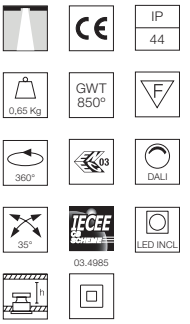
h(m)	E(lx)	D(m)
1	2026	0.47
2	506	0.93
3	225	1.40
4	127	1.87
5	81	2.34

Light Sniper Adjustable Round

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90





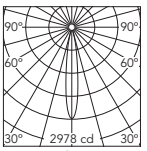


High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K
Non Dimmable
03.4985.06
03.4985.GL
03.4985.14
Dali Version / 1-10V / Push
03.4985.06.DA
03.4985.GL.DA
03.4985.14.DA

15° SPOT



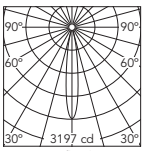
Luminous flux luminaire
277 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	2978	0.26
2	744	0.52
3	331	0.78
4	186	1.04
5	119	1.30

3000K
Non Dimmable
03.4984.06A
03.4984.GLA
03.4984.14A
Dali Version / 1-10V / Push
03.4984.06ADA
03.4984.GLADA
03.4984.14ADA

15° SPOT



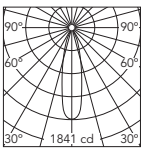
Luminous flux luminaire
297 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3197	0.26
2	799	0.52
3	355	0.78
4	200	1.04
5	128	1.30

2700K
Non Dimmable
03.4997.06
03.4997.GL
03.4997.14
Dali Version / 1-10V / Push
03.4997.06.DA
03.4997.GL.DA
03.4997.14.DA

25° MEDIUM



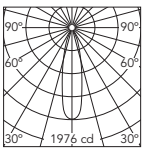
Luminous flux luminaire
445 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1841	0.44
2	460	0.88
3	205	1.32
4	115	1.76
5	74	2.19

3000K
Non Dimmable
03.4996.06A
03.4996.GLA
03.4996.14A
Dali Version / 1-10V / Push
03.4996.06ADA
03.4996.GLADA
03.4996.14ADA

25° MEDIUM



Luminous flux luminaire
477 lm (EXTREME CUT OFF)

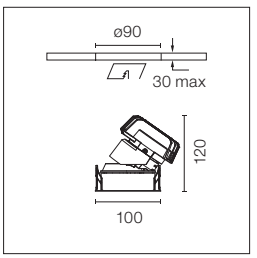
Beam Angle: 25°

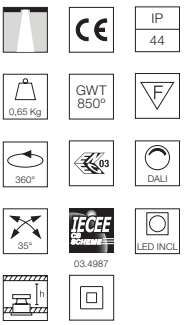
h(m)	E(lx)	D(m)
1	1976	0.44
2	494	0.88
3	220	1.32
4	124	1.76
5	79	2.19

Light Sniper Adjustable Square

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90





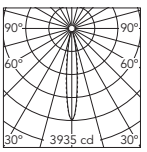


High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K
Non Dimmable
03.4987.06
03.4987.GL
03.4987.14
Dali Version / 1-10V / Push
03.4987.06.DA
03.4987.GL.DA
03.4987.14.DA

13° SPOT



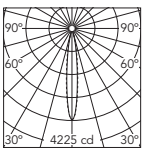
Luminous flux luminaire
338 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	3935	0.23
2	984	0.47
3	437	0.70
4	246	0.94
5	157	1.17

3000K
Non Dimmable
03.4986.06A
03.4986.GLA
03.4986.14A
Dali Version / 1-10V / Push
03.4986.06ADA
03.4986.GLADA
03.4986.14ADA

13° SPOT



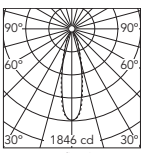
Luminous flux luminaire
363 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	4225	0.23
2	1056	0.47
3	469	0.70
4	264	0.94
5	169	1.17

2700K
Non Dimmable
03.4999.06
03.4999.GL
03.4999.14
Dali Version / 1-10V / Push
03.4999.06.DA
03.4999.GL.DA
03.4999.14.DA

25° MEDIUM



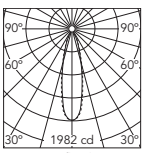
Luminous flux luminaire
503 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1846	0.45
2	462	0.89
3	205	1.34
4	115	1.79
5	74	2.24

3000K
Non Dimmable
03.4998.06A
03.4998.GLA
03.4998.14A
Dali Version / 1-10V / Push
03.4998.06ADA
03.4998.GLADA
03.4998.14ADA

25° MEDIUM



Luminous flux luminaire
540 lm (EXTREME CUT OFF)

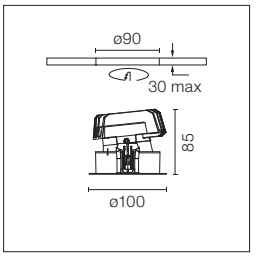
Beam Angle: 25°

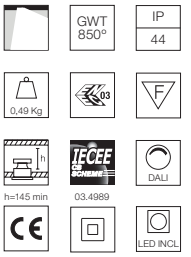
h(m)	E(lx)	D(m)
1	1982	0.45
2	495	0.89
3	220	1.34
4	124	1.79
5	79	2.24

Light Sniper Wall-Washer Round

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



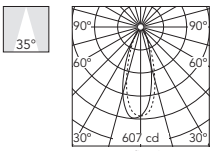




High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K
Non Dimmable
03.4989.06
Dali Version / 1-10V / Push
03.4989.06.DA

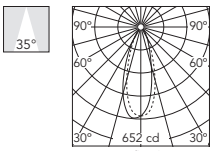


Luminous flux luminaire
322 lm (EXTREME CUT OFF)

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	607	0.63
2	152	1.26
3	67	1.90
4	38	2.53
5	24	3.16

3000K
Non Dimmable
03.4988.06A
Dali Version / 1-10V / Push
03.4988.06ADA



Luminous flux luminaire
346 lm (EXTREME CUT OFF)

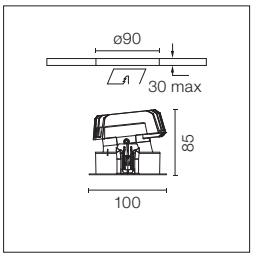
Beam Angle: 35°

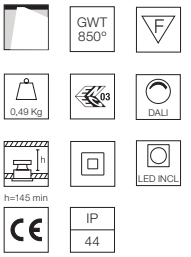
h(m)	E(lx)	D(m)
1	652	0.63
2	163	1.26
3	72	1.90
4	41	2.53
5	26	3.16

Light Sniper Wall-Washer Square

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



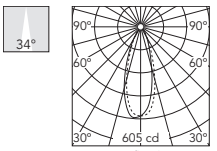




High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K
Non Dimmable
03.4991.06
Dali Version / 1-10V / Push
03.4991.06.DA

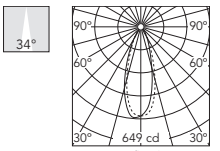


Luminous flux luminaire
316 lm (EXTREME CUT OFF)

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	605	0.61
2	151	1.23
3	67	1.84
4	38	2.46
5	24	3.07

3000K
Non Dimmable
03.4990.06A
Dali Version / 1-10V / Push
03.4990.06ADA



Luminous flux luminaire
339 lm (EXTREME CUT OFF)

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	649	0.61
2	162	1.23
3	72	1.84
4	41	2.46
5	26	3.07

Accessories / Accesorios

In order to increase the performances of the Light Sniper family, the following accessories are available:
- Accessory for ceiling protection. Recommended for delicate ceiling installation.
- “Flush” accessory, which allows a flush installation with the ceiling or wall.
- CAN accessory for installation in concrete. It facilitates installation on concrete ceilings. It is necessary to obtain and to install the accessory prior to the concrete ceiling.
- Color filters.

Con el fin de incrementar las prestaciones de la familia Light Sniper se encuentran disponibles los siguientes accesorios:
- Accesorio protector de techo. Recomendable para instalación en techos delicados.
- Accesorio flush. Permite la instalación enrasada a techo o pared.
- Accesorio CAN de instalación en hormigón. Facilita la instalación en techos de hormigón. Es necesario disponer e instalar del accesorio antes de realizar el techo de hormigón.
- Filtros de color.

Flush ceiling round frame accessory.

Accesorio marco redondo de instalación enrasado en techo.



08.8239.00B

Flush ceiling square frame accessory.

Accesorio marco cuadrado de instalación enrasado en techo.



08.8240.00B

Ceiling protector accessory.

Accesorio protector de techo.



1 Unit
08.8243.00
10 Units
08.8243.00.1U
50 Units
08.8243.00.5U

Concrete instalation can.

Cuerpo empotrable en hormigón.



08.8250.00

Ceiling protector accessory.

Accesorio protector de techo.



Round
08.8229.30A



Square
08.8222.30A

Elliptical lens
Lente elíptica



08.8041.68

Honeycomb
Honeycomb



08.8412.14

UT DOWNLIGHT

DESIGNED BY FLOS ARCHITECTURAL

TRIM / NO TRIM
Ø57



LIGHT SOURCE
LED ARRAY
18W
2000 lm
3000K/CRI 80
1600 lm
3000K/CRI 90
4000K/CRI 90

TRIM / NO TRIM
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
27W
3214 lm
3000K/CRI 80
2656 lm
3000K/CRI 90
2767 lm
4000K/CRI 90

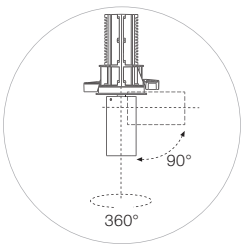
☐ 30 White
30 Blanco



■ 14 Black
14 Negro



Can be rotated 360° and swivelled 90°.
Puede ser rotado 360° y orientado 90°.



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.

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

Descripción
Luminaria de interior para instalación empotrada con fuentes de luz de tecnología LED de alta potencia y en versión Dali y No Dali.
La familia está disponible en dos tamaños (Ø57 y Ø86).
En posición superior funciona como donwlight y en posición inferior funciona como proyector orientable.
El cuerpo óptico de la luminaria está fabricado en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.
Equipo de alimentación remoto incluido.

Unidades de Alimentación
Fuente de alimentación de corriente constante no regulable o regulable Dali 220-240V incluida.

Accesorios
- Disponibles cruceta de apantallamiento, lente elíptica, lente Flood y Honeycomb.
- Marco de instalación No Trim.

Información Adicional
Índice de protección IP20.
Clase de aislamiento II.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

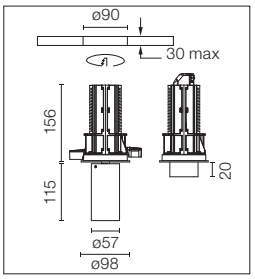
Trim

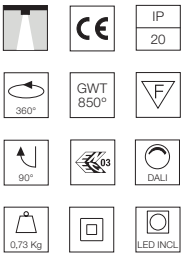
No Trim

Ut Downlight Trim Ø57

Light Source: LED Array 18W - 2000 lm - 3000K/CRI 80 / 18W - 1600 lm - 3000K/CRI 90 / 18W - 1600 lm - 4000K/CRI 90







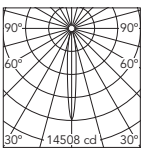
Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

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

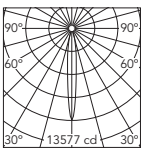
Beam Angle: 11°

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
- ☐ 09.4516.30A
- ■ 09.4516.14A

Dali Version
- ☐ 09.4516.30ADA
- ■ 09.4516.14ADA

11° SPOT



Luminous flux luminaire 1212 lm

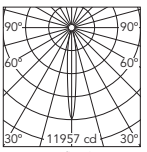
Beam Angle: 11°

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
- ☐ 09.4513.30A
- ■ 09.4513.14A

Dali Version
- ☐ 09.4513.30ADA
- ■ 09.4513.14ADA

11° SPOT



Luminous flux luminaire 1067 lm

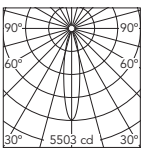
Beam Angle: 11°

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

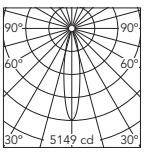
Beam Angle: 21°

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
- ☐ 09.4517.30A
- ■ 09.4517.14A

Dali Version
- ☐ 09.4517.30ADA
- ■ 09.4517.14ADA

21° MEDIUM



Luminous flux luminaire 918 lm

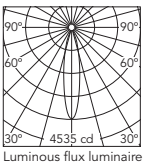
Beam Angle: 21°

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
- ☐ 09.4514.30A
- ■ 09.4514.14A

Dali Version
- ☐ 09.4514.30ADA
- ■ 09.4514.14ADA

21° MEDIUM



Luminous flux luminaire 808 lm

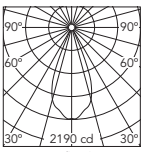
Beam Angle: 21°

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

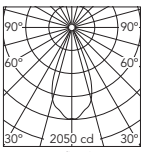
Beam Angle: 43°

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
- ☐ 09.4518.30A
- ■ 09.4518.14A

Dali Version
- ☐ 09.4518.30ADA
- ■ 09.4518.14ADA

43° FLOOD



Luminous flux luminaire 932 lm

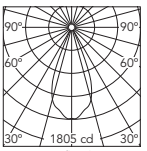
Beam Angle: 43°

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
- ☐ 09.4515.30A
- ■ 09.4515.14A

Dali Version
- ☐ 09.4515.30ADA
- ■ 09.4515.14ADA

43° FLOOD



Luminous flux luminaire 820 lm

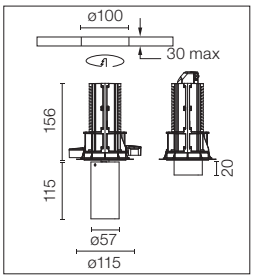
Beam Angle: 43°

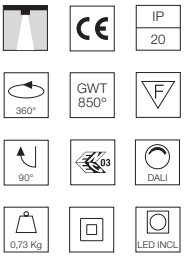
h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

Ut Downlight No Trim Ø57

Light Source: LED Array 18W - 2000 lm - 3000K/CRI 80 / 18W - 1600 lm - 3000K/CRI 90 / 18W - 1600 lm - 4000K/CRI 90







Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 80

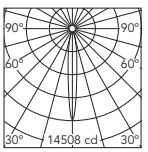
Non Dimmable

☐ 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

4000K - CRI 90

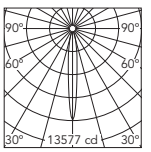
Non Dimmable

☐ 09.4525.30A
■ 09.4525.14A

Dali Version

☐ 09.4525.30ADA
■ 09.4525.14ADA

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

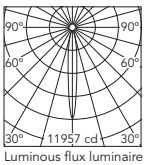
Non Dimmable

☐ 09.4522.30A
■ 09.4522.14A

Dali Version

☐ 09.4522.30ADA
■ 09.4522.14ADA

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

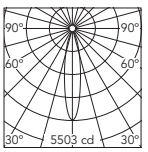
Non Dimmable

☐ 09.4520.30A
■ 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

4000K - CRI 90

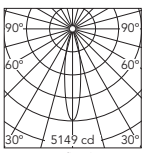
Non Dimmable

☐ 09.4526.30A
■ 09.4526.14A

Dali Version

☐ 09.4526.30ADA
■ 09.4526.14ADA

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

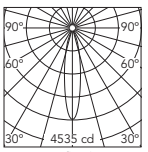
Non Dimmable

☐ 09.4523.30A
■ 09.4523.14A

Dali Version

☐ 09.4523.30ADA
■ 09.4523.14ADA

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

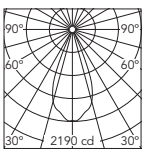
Non Dimmable

☐ 09.4521.30A
■ 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

4000K - CRI 90

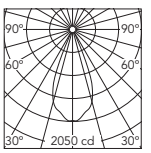
Non Dimmable

☐ 09.4527.30A
■ 09.4527.14A

Dali Version

☐ 09.4527.30ADA
■ 09.4527.14ADA

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

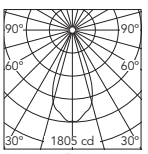
Non Dimmable

☐ 09.4524.30A
■ 09.4524.14A

Dali Version

☐ 09.4524.30ADA
■ 09.4524.14ADA

43° FLOOD



Luminous flux luminaire 820 lm

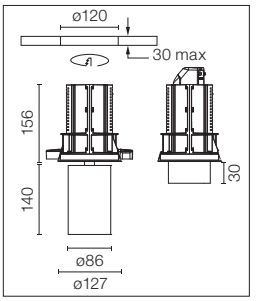
Beam Angle: 43°

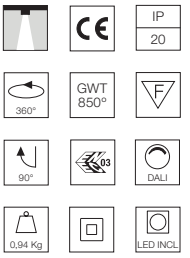
h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

Ut Downlight Trim Ø86

Light Source: LED Array High Performances 27W - 3214 lm - 3000K/CRI 80 / 27W - 2656 lm - 3000K/CRI 90 / 27W - 2767 lm - 4000K/CRI 90







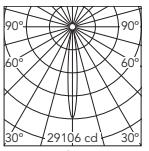
Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80
Non Dimmable
- 09.4910.30A
- 09.4910.14A

Dali Version
- 09.4910.30ADA
- 09.4910.14ADA

12° SPOT



Luminous flux luminaire 2259 lm

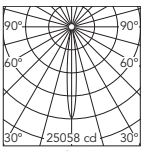
Beam Angle: 12°

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
- 09.4916.30A
- 09.4916.14A

Dali Version
- 09.4916.30ADA
- 09.4916.14ADA

12° SPOT



Luminous flux luminaire 1945 lm

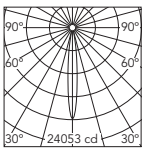
Beam Angle: 12°

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
- 09.4913.30A
- 09.4913.14A

Dali Version
- 09.4913.30ADA
- 09.4913.14ADA

12° SPOT



Luminous flux luminaire 1867 lm

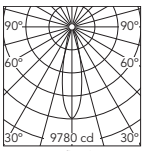
Beam Angle: 12°

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
- 09.4911.30ADA
- 09.4911.14ADA

24° MEDIUM



Luminous flux luminaire 2155 lm

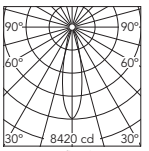
Beam Angle: 24°

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
- 09.4917.30A
- 09.4917.14A

Dali Version
- 09.4917.30ADA
- 09.4917.14ADA

24° MEDIUM



Luminous flux luminaire 1855 lm

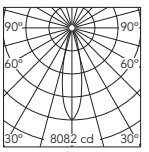
Beam Angle: 24°

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
- 09.4914.30A
- 09.4914.14A

Dali Version
- 09.4914.30ADA
- 09.4914.14ADA

24° MEDIUM



Luminous flux luminaire 1781 lm

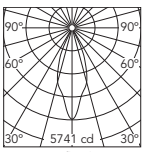
Beam Angle: 24°

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
- 09.4912.30ADA
- 09.4912.14ADA

37° FLOOD



Luminous flux luminaire 2053 lm

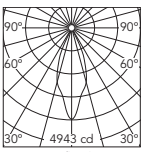
Beam Angle: 37°

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
- 09.4918.30A
- 09.4918.14A

Dali Version
- 09.4918.30ADA
- 09.4918.14ADA

37° FLOOD



Luminous flux luminaire 1768 lm

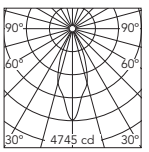
Beam Angle: 37°

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
- 09.4915.30A
- 09.4915.14A

Dali Version
- 09.4915.30ADA
- 09.4915.14ADA

37° FLOOD



Luminous flux luminaire 1697 lm

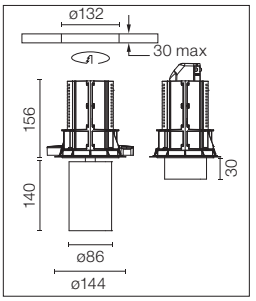
Beam Angle: 37°

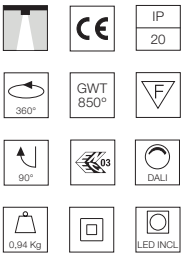
h(m)	E(lx)	D(m)
1	4745	0.67
2	1186	1.34
3	527	2.01
4	297	2.69
5	190	3.36

Ut Downlight No Trim Ø86

Light Source: LED Array High Performances 27W - 3214 lm - 3000K/CRI 80 / 27W - 2656 lm - 3000K/CRI 90 / 27W - 2767 lm - 4000K/CRI 90







Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

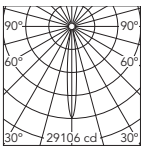
Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 80
Non Dimmable
09.4919.30A
09.4919.14A
Dali Version
09.4919.30ADA
09.4919.14ADA

12° SPOT



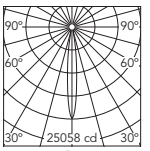
Luminous flux luminaire 2259 lm

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
09.4925.30A
09.4925.14A
Dali Version
09.4925.30ADA
09.4925.14ADA

12° SPOT



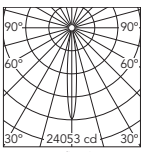
Luminous flux luminaire 1945 lm

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
09.4922.30A
09.4922.14A
Dali Version
09.4922.30ADA
09.4922.14ADA

12° SPOT



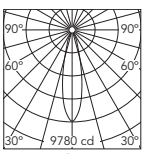
Luminous flux luminaire 1867 lm

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
09.4920.30ADA
09.4920.14ADA

24° MEDIUM



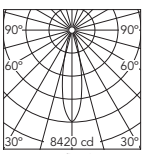
Luminous flux luminaire 2155 lm

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
09.4926.30A
09.4926.14A
Dali Version
09.4926.30ADA
09.4926.14ADA

24° MEDIUM



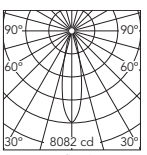
Luminous flux luminaire 1855 lm

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
09.4923.30A
09.4923.14A
Dali Version
09.4923.30ADA
09.4923.14ADA

24° MEDIUM



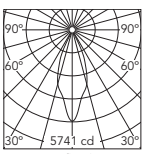
Luminous flux luminaire 1781 lm

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
09.4921.30ADA
09.4921.14ADA

37° FLOOD



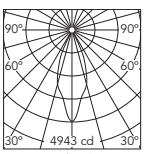
Luminous flux luminaire 2053 lm

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
09.4927.30A
09.4927.14A
Dali Version
09.4927.30ADA
09.4927.14ADA

37° FLOOD



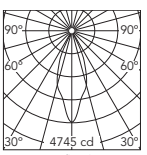
Luminous flux luminaire 1768 lm

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
09.4924.30A
09.4924.14A
Dali Version
09.4924.30ADA
09.4924.14ADA

37° FLOOD



Luminous flux luminaire 1697 lm

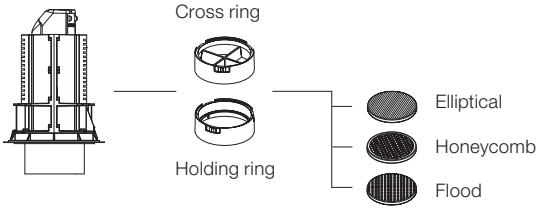
Beam Angle: 37°

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

Accessories / Accesorios

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.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
UT Downlight Ø86: Compatibilidad de instalación de honeycomb + lente al mismo tiempo.



UT Downlight Ø57

Installation frame No Trim. Marco de instalación No Trim.		08.8994.30 08.8994.14
Screening crosspiece Cruceta de apantallamiento		08.8429.00
Elliptical lens Lente elíptica		08.8431.00
Flood lens Lente flood For Spot & Medium optics		08.8432.00
Honeycomb Honeycomb		08.8428.00
Snoot shielding cone Cono apantallador	38 	08.0526.00 08.0526.40 08.0526.BW

UT Downlight Ø86

Installation frame No Trim. Marco de instalación No Trim.		08.8995.30 08.8995.14
Holding ring Aro soporte		08.8410.00
Screening crosspiece Cruceta de apantallamiento		08.8411.00
Elliptical lens Lente elíptica		08.8163.68
Flood lens Lente flood For Spot & Medium optics		08.8175.68
Honeycomb Honeycomb		08.8495.14

LIGHT SUPPLY

DESIGNED BY FLOS ARCHITECTURAL

FIXED TRIM / NO TRIM	ADJUSTABLE TRIM / NO TRIM	WALL-WASHER TRIM / NO TRIM
		
		
LIGHT SOURCE PHOSPHOR LED 26W 2285 lm 3000K/CRI 98 28W 3000 lm 4000K/CRI 80	**LIGHT SOURCE** PHOSPHOR LED 26W 2285 lm 3000K/CRI 98 28W 3000 lm 4000K/CRI 80	**LIGHT SOURCE** PHOSPHOR LED 26W 2285 lm 3000K/CRI 98 28W 3000 lm 4000K/CRI 80
LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 29W 3402 lm 3000K/CRI 80 2811 lm 3000K/CRI 90 2929 lm 4000K/CRI 90	**LIGHT SOURCE** LED ARRAY HIGH PERFORMANCES 30,1W 3402 lm 3000K/CRI 80 2811 lm 3000K/CRI 90 2929 lm 4000K/CRI 90	**LIGHT SOURCE** LED ARRAY HIGH PERFORMANCES 33,2W 3770 lm 3000K/CRI 80 3116 lm 3000K/CRI 90 3246 lm 4000K/CRI 90

Light Supply Adjustable

☐ 40 White
40 Blanco



■ 14 Black
14 Negro



Light Supply Fixed & Wall-Washer Trim

External Ring / Anillo Exterior

☐ White
Blanco

■ Black
Negro

Reflector / Reflector

▨ Aluminium
Aluminio

☐ White
Blanco





▨ Aluminium
Aluminio

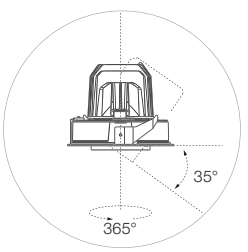
☐ White
Blanco





Can be rotated 365° and swivelled 35°.
Puede ser rotado 365° y orientado 35°.

Light Supply Adjustable



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.

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.

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

Descripción
Nueva familia de empotrables desarrollada para conseguir un flujo máximo de 3000 lm dentro de un diseño compacto de 165mm de diámetro gracias a la última tecnología de módulos LED.
Disponible en versiones fija, ajustable y wall-washer.
La versión ajustable cuenta con una óptica cilíndrica intercambiable para facilitar el acceso a la electrónica e intercambiar los accesorios disponibles.
Para ofrecer la máxima flexibilidad y mejorar la instalación, hay disponibles reflectores con ópticas cerradas, intermedias y abiertas. Intercambio de accesorios sin necesidad de desmontar el producto del techo.
Todas las versiones No Trim pueden ser montadas en marco de pre-instalación o integradas en techo de cartón yeso mediante la tecnología Soft.

Reflectores
Realizados con aluminio en acabado especular. Para la versión ajustable haz de luz cerrado, medio y amplio; para la versión fija aperturas amplias.

Unidades de Alimentación
Cableado incluido, diponible para conectar a equipo remoto. Versiones sin equipo y regulable 1-10V disponibles bajo pedido.

Accesorios
Para la versión ajustable:
- Lente de distribución elíptica.
- Honeycomb.
- Recambio de reflectores con aperturas cerrada, media y abierta.
Para todas las versiones No Trim:
- Marco de pre-instalación o placa de instalación Soft Architecture para la versión ajustable.

Información Adicional
En las versiones ajustables, basculación de 35° y rotación de 365°.
Índice de protección IP23, IP44 según las versiones.
Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Fixed / Adjustable / Wall-Washer Trim

Fixed No Trim

Adjustable No Trim

Wall-Washer No Trim



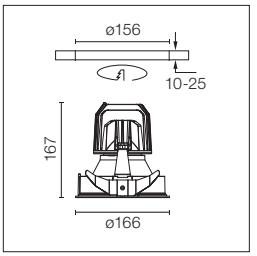
Thanks to remote-phosphor technology, the LED modules of the Phosphor LED version offer maximum quality light, the perception of objects and spaces, reaching chromatic reproduction indices of 98, depending on the version.
All the 3000K versions are available under request in the “Retail version”. This option has a special Phosphor LED module that, with all the advantages regarding energy saving and reliability available on the market, reproduces the frequency of the light of a metal halide lamp. This innovative solution improves the perception of colours and the representation of white, in addition to reducing the radiation of the violet spectrum, damaging to works of art, so, it is especially indicated for commercial and museum purposes.
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.

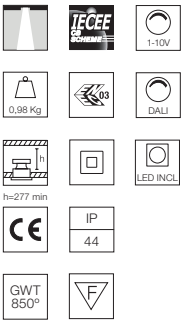
Gracias a la remote-phosphor technology, los módulos LED que montan las versiones Phosphor LED ofrecen la máxima calidad de luz posible, percepción de los objetos y espacios, alcanzando índices de reproducción cromática de 98, dependiendo de las versiones.
Todas las versiones de 3000K están disponibles bajo petición en la “versión Retail”. Esta opción cuenta con un módulo Phosphor LED especial que, con todas las ventajas en términos de ahorro energético y fiabilidad disponibles en el mercado, reproduce la frecuencia de la luz de una lámpara de halogenuro metálico.
Esta solución innovadora mejora la percepción de los colores y la representación del color blanco, además de reducir la radiación del espectro violeta, perjudicial para obras de arte, así que, es especialmente indicado para su aplicación comercial y en museos.
Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo un aumento del 20% del flujo luminoso.

Light Supply Fixed Trim

Light Source: Phosphor LED 26W - 2285 lm - 3000K/CRI 98 / 28W - 3000 lm - 4000K/CRI 80







Recessed luminaire with LED light source. Remote 220/240V power supply included.

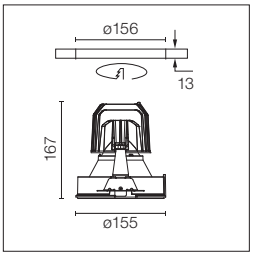
E= External Finish
I= Internal Finish.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= Acabado Externo
I= Acabado Interno.

Light Supply Fixed No Trim





Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 98

E I **Trim**
- 03.6611.3B
- 03.6611.3C

E I Dali Version/1-10V
- 03.6611.3B.DA
- 03.6611.3C.DA

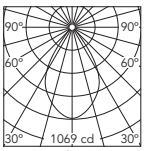
E I
- 03.6611.1B
- 03.6611.1C

E I Dali Version/1-10V
- 03.6611.1B.DA
- 03.6611.1C.DA

No Trim
- 03.6626.40
- 03.6626.06

Dali Version/1-10V
- 03.6626.40.DA
- 03.6626.06.DA

65°



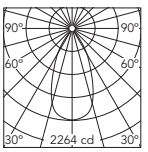
Luminous flux luminaire
1158 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 65°

h(m)	E(lx)	D(m)
1	1069	1.27
2	267	2.54
3	119	3.80
4	67	5.07
5	43	6.34

49°



Luminous flux luminaire
1576 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	2264	0.91
2	566	1.81
3	252	2.72
4	142	3.63
5	91	4.54

4000K - CRI 80

E I **Trim**
- 03.6610.3B
- 03.6610.3C

E I Dali Version/1-10V
- 03.6610.3B.DA
- 03.6610.3C.DA

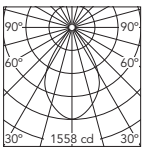
E I
- 03.6610.1B
- 03.6610.1C

E I Dali Version/1-10V
- 03.6610.1B.DA
- 03.6610.1C.DA

No Trim
- 03.6625.40
- 03.6625.06

Dali Version/1-10V
- 03.6625.40.DA
- 03.6625.06.DA

65°



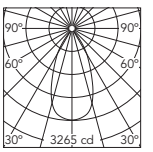
Luminous flux luminaire
1696 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 65°

h(m)	E(lx)	D(m)
1	1558	1.27
2	390	2.55
3	173	3.82
4	97	5.10
5	62	6.37

49°



Luminous flux luminaire
2270 lm (EXTREME CUT OFF)

@Aluminium Reflector

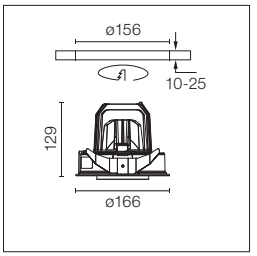
Beam Angle: 49°

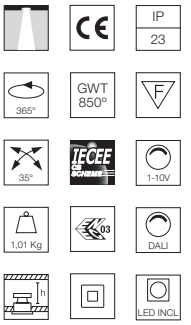
h(m)	E(lx)	D(m)
1	3265	0.91
2	816	1.81
3	363	2.72
4	204	3.62
5	131	4.53

Light Supply Adjustable Trim

Light Source: Phosphor LED 26W - 2285 lm - 3000K/CRI 98





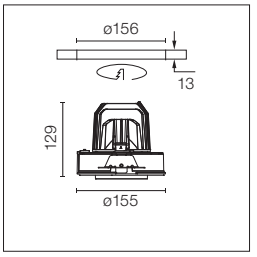


Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Light Supply Adjustable No Trim





Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

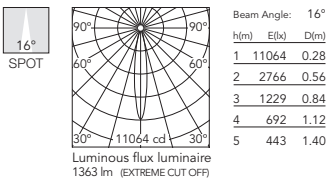
Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

3000K - CRI 98
Trim
- 03.6606.40
- 03.6606.14

Dali Version/1-10V
- 03.6606.40.DA
- 03.6606.14.DA

No Trim
- 03.6621.40
- 03.6621.14

Dali Version/1-10V
- 03.6621.40.DA
- 03.6621.14.DA



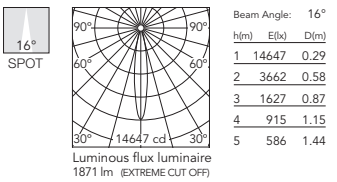
Beam Angle:	16°
h(m)	E(lx) D(m)
1	11064 0.28
2	2766 0.56
3	1229 0.84
4	692 1.12
5	443 1.40

4000K - CRI 80
Trim
- 03.6603.40
- 03.6603.14

Dali Version/1-10V
- 03.6603.40.DA
- 03.6603.14.DA

No Trim
- 03.6618.40
- 03.6618.14

Dali Version/1-10V
- 03.6618.40.DA
- 03.6618.14.DA



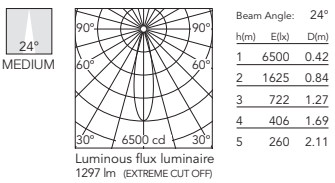
Beam Angle:	16°
h(m)	E(lx) D(m)
1	14647 0.29
2	3662 0.58
3	1627 0.87
4	915 1.15
5	586 1.44

3000K - CRI 98
Trim
- 03.6607.40
- 03.6607.14

Dali Version/1-10V
- 03.6607.40.DA
- 03.6607.14.DA

No Trim
- 03.6622.40
- 03.6622.14

Dali Version/1-10V
- 03.6622.40.DA
- 03.6622.14.DA



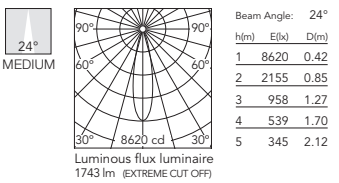
Beam Angle:	24°
h(m)	E(lx) D(m)
1	6500 0.42
2	1625 0.84
3	722 1.27
4	406 1.69
5	260 2.11

4000K - CRI 80
Trim
- 03.6604.40
- 03.6604.14

Dali Version/1-10V
- 03.6604.40.DA
- 03.6604.14.DA

No Trim
- 03.6619.40
- 03.6619.14

Dali Version/1-10V
- 03.6619.40.DA
- 03.6619.14.DA



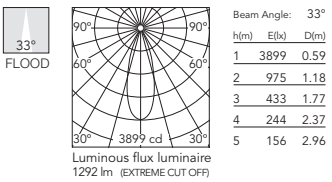
Beam Angle:	24°
h(m)	E(lx) D(m)
1	8620 0.42
2	2155 0.85
3	958 1.27
4	539 1.70
5	345 2.12

3000K - CRI 98
Trim
- 03.6608.40
- 03.6608.14

Dali Version/1-10V
- 03.6608.40.DA
- 03.6608.14.DA

No Trim
- 03.6623.40
- 03.6623.14

Dali Version/1-10V
- 03.6623.40.DA
- 03.6623.14.DA



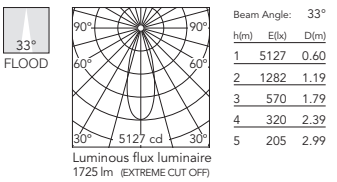
Beam Angle:	33°
h(m)	E(lx) D(m)
1	3899 0.59
2	975 1.18
3	433 1.77
4	244 2.37
5	156 2.96

4000K - CRI 80
Trim
- 03.6605.40
- 03.6605.14

Dali Version/1-10V
- 03.6605.40.DA
- 03.6605.14.DA

No Trim
- 03.6620.40
- 03.6620.14

Dali Version/1-10V
- 03.6620.40.DA
- 03.6620.14.DA

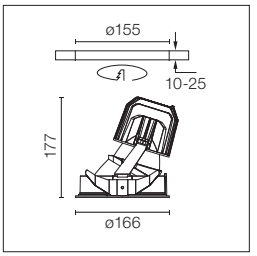


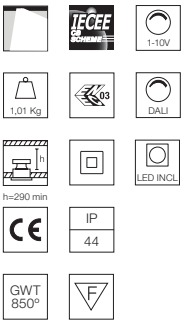
Beam Angle:	33°
h(m)	E(lx) D(m)
1	5127 0.60
2	1282 1.19
3	570 1.79
4	320 2.39
5	205 2.99

Light Supply Wall-Washer Trim

Light Source: Phosphor LED 26W - 2285 lm - 3000K/CRI 98 / 28W - 3000 lm - 4000K/CRI 80







Recessed luminaire with LED light source. Remote 220/240V power supply included.

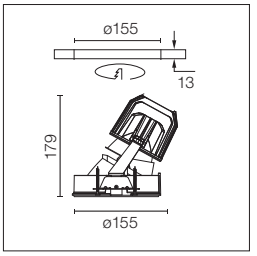
E= External Finish
I= Internal Finish.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= Acabado Externo
I= Acabado Interno.

Light Supply Wall-Washer No Trim





Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 98

E I **Trim**
- 03.6614.3B
- 03.6614.3C

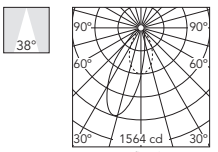
E I Dali Version/1-10V
- 03.6614.3B.DA
- 03.6614.3C.DA

E I
- 03.6614.1B
- 03.6614.1C

E I Dali Version/1-10V
- 03.6614.1B.DA
- 03.6614.1C.DA

No Trim
- 03.6629.40
- 03.6629.06

Dali Version/1-10V
- 03.6629.40.DA
- 03.6629.06.DA

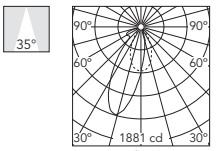


Luminous flux luminaire
1355 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1564	0.77
2	391	1.55
3	174	2.32
4	98	3.09
5	63	3.86



Luminous flux luminaire
1401 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1881	0.71
2	470	1.41
3	209	2.12
4	118	2.83
5	75	3.53

4000K - CRI 80

E I **Trim**
- 03.6613.3B
- 03.6613.3C

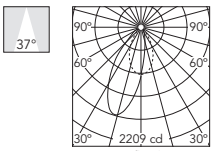
E I Dali Version/1-10V
- 03.6613.3B.DA
- 03.6613.3C.DA

E I
- 03.6613.1B
- 03.6613.1C

E I Dali Version/1-10V
- 03.6613.1B.DA
- 03.6613.1C.DA

No Trim
- 03.6628.40
- 03.6628.06

Dali Version/1-10V
- 03.6628.40.DA
- 03.6628.06.DA

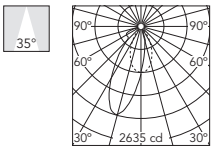


Luminous flux luminaire
1918 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	2209	0.76
2	552	1.53
3	245	2.29
4	138	3.06
5	88	3.82



Luminous flux luminaire
1967 lm (EXTREME CUT OFF)

@Aluminium Reflector

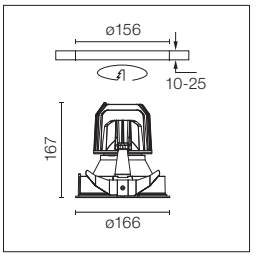
Beam Angle: 35°

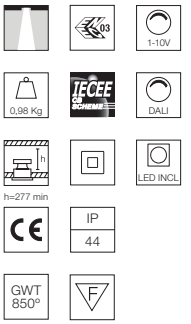
h(m)	E(lx)	D(m)
1	2635	0.70
2	659	1.40
3	293	2.10
4	165	2.79
5	105	3.49

Light Supply Fixed Trim

Light Source: LED Array High Performances 29W - 3402 lm - 3000K/CRI 80 / 29W - 2811 lm - 3000K/CRI 90 / 29W - 2929 lm - 4000K/CRI 90







Recessed luminaire with LED light source. Remote 220/240V power supply included.

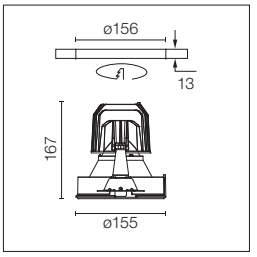
E= External Finish
I= Internal Finish.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= Acabado Externo
I= Acabado Interno.

Light Supply Fixed No Trim





Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 90

E I **Trim**
- 03.6811.3BA
- 03.6811.3CA

E I Dali Version/1-10V
- 03.6811.3BADA
- 03.6811.3CADA

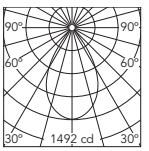
E I
- 03.6811.1BA
- 03.6811.1CA

E I Dali Version/1-10V
- 03.6811.1BADA
- 03.6811.1CADA

No Trim
- 03.6826.40A
- 03.6826.06A

Dali Version/1-10V
- 03.6826.40ADA
- 03.6826.06ADA

62°

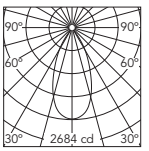


Luminous flux luminaire
1487 lm (EXTREME CUT OFF)

@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

3000K - CRI 80

E I **Trim**
- 03.6809.3BA
- 03.6809.3CA

E I Dali Version/1-10V
- 03.6809.3BADA
- 03.6809.3CADA

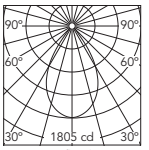
E I
- 03.6809.1BA
- 03.6809.1CA

E I Dali Version/1-10V
- 03.6809.1BADA
- 03.6809.1CADA

No Trim
- 03.6824.40A
- 03.6824.06A

Dali Version/1-10V
- 03.6824.40ADA
- 03.6824.06ADA

62°

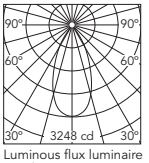


Luminous flux luminaire
1799 lm (EXTREME CUT OFF)

@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

4000K - CRI 90

E I **Trim**
- 03.6810.3BA
- 03.6810.3CA

E I Dali Version/1-10V
- 03.6810.3BADA
- 03.6810.3CADA

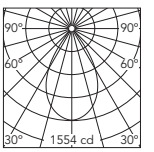
E I
- 03.6810.1BA
- 03.6810.1CA

E I Dali Version/1-10V
- 03.6810.1BADA
- 03.6810.1CADA

No Trim
- 03.6825.40A
- 03.6825.06A

Dali Version/1-10V
- 03.6825.40ADA
- 03.6825.06ADA

62°

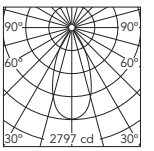


Luminous flux luminaire
1549 lm (EXTREME CUT OFF)

@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)

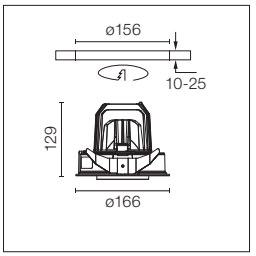
@Aluminium Reflector

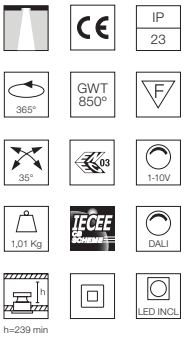
Beam Angle:	47°
h(m)	E(lx)	D(m)
1	2797	0.86
2	699	1.73
3	311	2.59
4	175	3.46
5	112	4.32

Light Supply Adjustable Trim

Light Source: LED Array High Performances 30,1W - 2811 lm - 3000K/CRI 90 / 30,1W - 2929 lm - 4000K/CRI 90





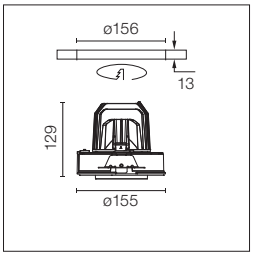


Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Light Supply Adjustable No Trim





Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

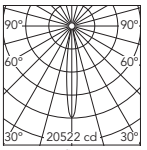
3000K - CRI 90
Trim
- ☐ ■ 03.6806.40A
- ☐ ■ 03.6806.14A

Dali Version/1-10V
- ☐ ■ 03.6806.40ADA
- ☐ ■ 03.6806.14ADA

No Trim
- ☐ ■ 03.6821.40A
- ☐ ■ 03.6821.14A

Dali Version/1-10V
- ☐ ■ 03.6821.40ADA
- ☐ ■ 03.6821.14ADA

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

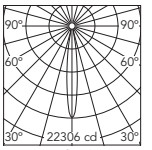
4000K - CRI 90
Trim
- ☐ ■ 03.6803.40A
- ☐ ■ 03.6803.14A

Dali Version/1-10V
- ☐ ■ 03.6803.40ADA
- ☐ ■ 03.6803.14ADA

No Trim
- ☐ ■ 03.6818.40A
- ☐ ■ 03.6818.14A

Dali Version/1-10V
- ☐ ■ 03.6818.40ADA
- ☐ ■ 03.6818.14ADA

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

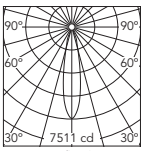
3000K - CRI 90
Trim
- ☐ ■ 03.6807.40A
- ☐ ■ 03.6807.14A

Dali Version/1-10V
- ☐ ■ 03.6807.40ADA
- ☐ ■ 03.6807.14ADA

No Trim
- ☐ ■ 03.6822.40A
- ☐ ■ 03.6822.14A

Dali Version/1-10V
- ☐ ■ 03.6822.40ADA
- ☐ ■ 03.6822.14ADA

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

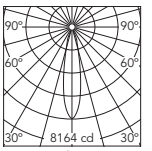
4000K - CRI 90
Trim
- ☐ ■ 03.6804.40A
- ☐ ■ 03.6804.14A

Dali Version/1-10V
- ☐ ■ 03.6804.40ADA
- ☐ ■ 03.6804.14ADA

No Trim
- ☐ ■ 03.6819.40A
- ☐ ■ 03.6819.14A

Dali Version/1-10V
- ☐ ■ 03.6819.40ADA
- ☐ ■ 03.6819.14ADA

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

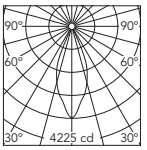
3000K - CRI 90
Trim
- ☐ ■ 03.6808.40A
- ☐ ■ 03.6808.14A

Dali Version/1-10V
- ☐ ■ 03.6808.40ADA
- ☐ ■ 03.6808.14ADA

No Trim
- ☐ ■ 03.6823.40A
- ☐ ■ 03.6823.14A

Dali Version/1-10V
- ☐ ■ 03.6823.40ADA
- ☐ ■ 03.6823.14ADA

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

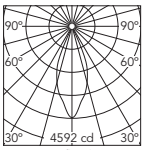
4000K - CRI 90
Trim
- ☐ ■ 03.6805.40A
- ☐ ■ 03.6805.14A

Dali Version/1-10V
- ☐ ■ 03.6805.40ADA
- ☐ ■ 03.6805.14ADA

No Trim
- ☐ ■ 03.6820.40A
- ☐ ■ 03.6820.14A

Dali Version/1-10V
- ☐ ■ 03.6820.40ADA
- ☐ ■ 03.6820.14ADA

39° FLOOD



Luminous flux luminaire
1639 lm (EXTREME CUT OFF)

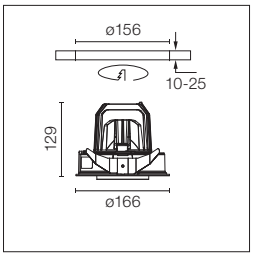
Beam Angle: 39°

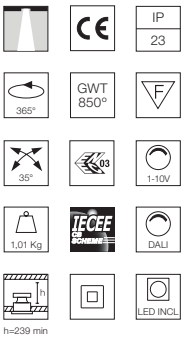
h(m)	E(lx)	D(m)
1	4592	0.71
2	1148	1.42
3	510	2.14
4	287	2.85
5	184	3.56

Light Supply Adjustable Trim

Light Source: LED Array High Performances 30,1W - 3402 lm - 3000K CRI 80





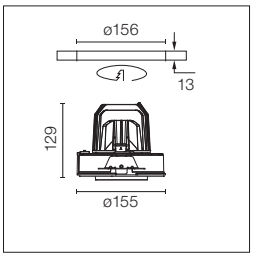


Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Light Supply Adjustable No Trim





Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

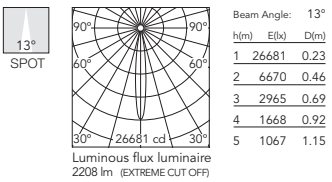
Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

3000K - CRI 80
Trim
- ☐ 03.6800.40A
- ■ 03.6800.14A

Dali Version/1-10V
- ☐ 03.6800.40ADA
- ■ 03.6800.14ADA

No Trim
- ☐ 03.6815.40A
- ■ 03.6815.14A

Dali Version/1-10V
- ☐ 03.6815.40ADA
- ■ 03.6815.14ADA



Luminous flux luminaire
2208 lm (EXTREME CUT OFF)

Beam Angle: 13°

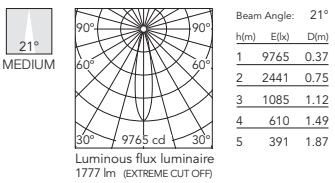
h(m)	E(lx)	D(m)
1	26681	0.23
2	6670	0.46
3	2965	0.69
4	1668	0.92
5	1067	1.15

3000K - CRI 80
Trim
- ☐ 03.6801.40A
- ■ 03.6801.14A

Dali Version/1-10V
- ☐ 03.6801.40ADA
- ■ 03.6801.14ADA

No Trim
- ☐ 03.6816.40A
- ■ 03.6816.14A

Dali Version/1-10V
- ☐ 03.6816.40ADA
- ■ 03.6816.14ADA



Luminous flux luminaire
1777 lm (EXTREME CUT OFF)

Beam Angle: 21°

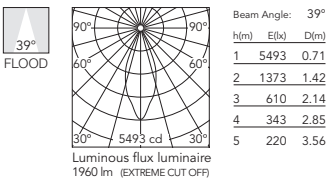
h(m)	E(lx)	D(m)
1	9765	0.37
2	2441	0.75
3	1085	1.12
4	610	1.49
5	391	1.87

3000K - CRI 80
Trim
- ☐ 03.6802.40A
- ■ 03.6802.14A

Dali Version/1-10V
- ☐ 03.6802.40ADA
- ■ 03.6802.14ADA

No Trim
- ☐ 03.6817.40A
- ■ 03.6817.14A

Dali Version/1-10V
- ☐ 03.6817.40ADA
- ■ 03.6817.14ADA



Luminous flux luminaire
1960 lm (EXTREME CUT OFF)

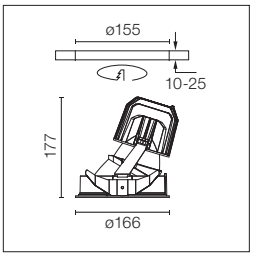
Beam Angle: 39°

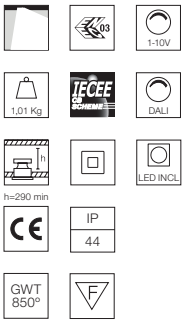
h(m)	E(lx)	D(m)
1	5493	0.71
2	1373	1.42
3	610	2.14
4	343	2.85
5	220	3.56

Light Supply Wall-Washer Trim

Light Source: LED Array High Performances 33,2W - 3770 lm - 3000K/CRI 80 / 33,2W - 3116 lm - 3000K/CRI 90 / 33,2W - 3246 lm - 4000K/CRI 90







Recessed luminaire with LED light source. Remote 220/240V power supply included.

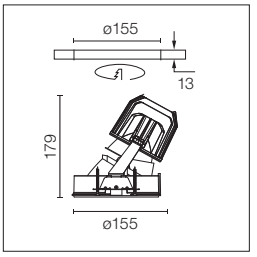
E= External Finish
I= Internal Finish.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= Acabado Externo
I= Acabado Interno.

Light Supply Wall-Washer No Trim





Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 90

E I **Trim**
- 03.6814.3BA
- 03.6814.3CA

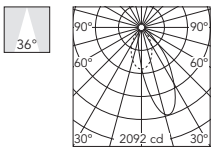
E I Dali Version/1-10V
- 03.6814.3BADA
- 03.6814.3CADA

E I
- 03.6814.1BA
- 03.6814.1CA

E I Dali Version/1-10V
- 03.6814.1BADA
- 03.6814.1CADA

No Trim
- 03.6829.40A
- 03.6829.06A

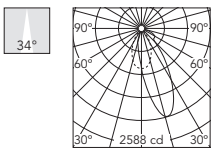
Dali Version/1-10V
- 03.6829.40ADA
- 03.6829.06ADA



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

3000K - CRI 80

E I **Trim**
- 03.6812.3BA
- 03.6812.3CA

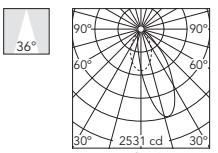
E I Dali Version/1-10V
- 03.6812.3BADA
- 03.6812.3CADA

E I
- 03.6812.1BA
- 03.6812.1CA

E I Dali Version/1-10V
- 03.6812.1BADA
- 03.6812.1CADA

No Trim
- 03.6827.40A
- 03.6827.06A

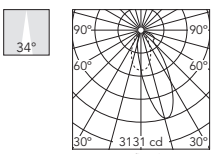
Dali Version/1-10V
- 03.6827.40ADA
- 03.6827.06ADA



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

4000K - CRI 90

E I **Trim**
- 03.6813.3BA
- 03.6813.3CA

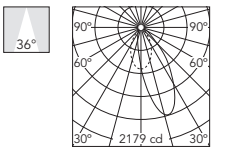
E I Dali Version/1-10V
- 03.6813.3BADA
- 03.6813.3CADA

E I
- 03.6813.1BA
- 03.6813.1CA

E I Dali Version/1-10V
- 03.6813.1BADA
- 03.6813.1CADA

No Trim
- 03.6828.40A
- 03.6828.06A

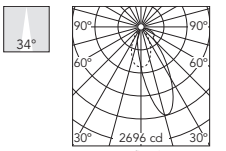
Dali Version/1-10V
- 03.6828.40ADA
- 03.6828.06ADA



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

Accessories / Accesorios

Pre-installation frame.

Marco de pre-instalación.



Adjustable No Trim
08.8119.00



Fixed No Trim
08.8359.00

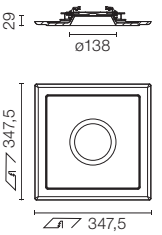


Wall-Washer No Trim
08.8137.00

Soft Architecture installation plate for integration in plasterboard.

Placa Soft Architecture para pre-instalación en superficies de cartón yeso.





Adjustable No Trim
SA.6600.1

For Phosphor LED

Light Supply Adjustable spare reflector.

Reflector intercambiable para Light Supply Adjustable.



Spot
08.8413.00
Medium
08.8414.00
Flood
08.8415.00

Accessories / Accesorios

For LED Array

Light Supply Adjustable spare reflector.	Reflector intercambiable para Light Supply Adjustable.		Spot 08.8450.00 Medium 08.8451.00 Flood 08.8452.00
Screening crosspiece.	Cruceta de apantallamiento.		08.8242.14
Elliptical lens.	Lente elíptica.		08.8118.68
Honeycomb.	Honeycomb.	 	Small Cells/Celdas Pequeñas 08.8049.14 Big Cells/Celdas Grandes 08.8377.14
Highly-efficient cylinder.	Cilindro de alta eficiencia.		08.8453.40 08.8453.14

PURE DOWNLIGHT

DESIGNED BY KNUD HOLSCHER

TRIM / NO TRIM





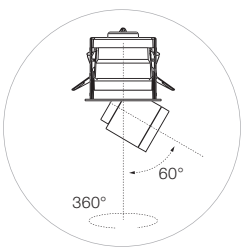
LIGHT SOURCE
PHOSPHOR
LED
13,6W
1490 lm
3000K/CRI 80
11,9W
1057 lm
3000K/CRI 98

LIGHT SOURCE
POWER LED
15,7W
1400 lm
2700K/CRI 80
3000K/CRI 80

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

	30 White/RAL 9001 30 Blanco	02 Grey/RAL 9006 02 Gris	14 Black/RAL 9005 14 Negro
Pure Downlight Trim			
Pure Downlight No Trim			

Can be rotated 360° and swivelled 60°.
Puede ser rotado 360° y orientado 60°.



Description
Recessed LED luminaire for indoor application, also available for LED retrofit lamps. Self-extinguishing ceramic or engineering plastic lamp holders, with single-pole, transparent electric wires with double Teflon insulation. Aluminum body, placed above the lamp holder, black thermoplastic and 4 mm tempered glass screen-support ring. Die-cast aluminum alloy body, cover and adjustable lamp support, powder-coated white, grey or black.

Reflectors
All super pure aluminum with specular finish.
Circular rotosymmetrical from 15° spot to 51° wide flood.

Power Supply
Pre-wiring included; ready for remote power supply.
Wieland connectors used for discharge control gear providing quick installation time.

Accessories
- 4 mm tempered glass elliptical distribution lens.
- Anti-glare grid in aluminium cells with black liquid paint finish.
- Chromatic filters.

Additional Information
0° - 360° horizontal rotation, 0° - 60° vertical rotation.
IP20 protection grade.
Insulation class I, II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Luminaria LED empotrable de interior, también disponible para lámparas de LED retrofit. Portalámparas cerámico o de tecnopolímero autoextinguible, con cables eléctricos unipolares aislados Teflón con doble aislamiento transparente. Cuerpo para la lámpara constituido por un elemento disipador realizado en aluminio, colocado sobre el portalámparas, por un anillo que sostiene los reflectores realizado de material termoplástico de color negro y por un vidrio templado de 4 mm de espesor. El cuerpo, la tapa de cierre y el soporte orientable de la lámpara son de aleación de aluminio inyectado a presión, con acabados en pintura polvo de color blanco, gris o negro.

Reflectores
Todas las ópticas están realizadas en aluminio superpuro con acabado especular.
Circular simétrico giratorio. Desde spot 15° hasta wide flood 51°.

Unidades de Alimentación
Precableado incluido, listo para ser alimentado mediante dispositivos a distancia.
Conexión rápida, tipo “Wieland”, con la unidad de alimentación para lámparas de descarga.

Accesorios
- Lente de distribución elíptica de vidrio templado de 4 mm.
- Rejilla anti-deslumbramiento realizada en celdas de aluminio.
- Filtros cromáticos.

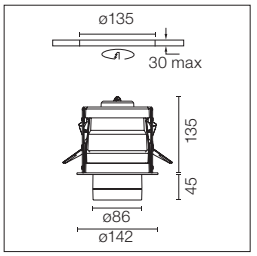
Información Adicional
Posibilidad de rotación de 360° en el eje horizontal y 60° en el eje vertical.
Índice de protección IP20.
Clase de aislamiento I, II o III, según las versiones.
Instalable sobre superficies normalmente inflamables.

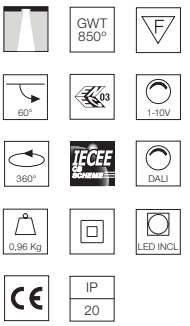
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Pure Downlight Trim

Light Source: Phosphor LED 13,6W - 1490 lm - 3000K/CRI 80 / 11,9W - 1057 lm 3000K/CRI 98







Recessed luminaire with LED light source. Remote electronic transformer 220/240V included.

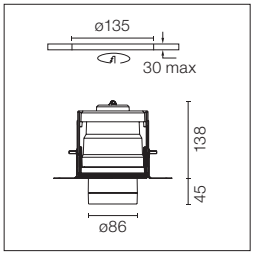
Installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.

Marco de instalación. Se ha de pedir por separado.

Pure Downlight No Trim



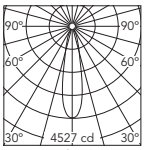


3000K - CRI 80
Non Dimmable
- ☐ 09.1635.30C
- ▒ 09.1635.02C
- ■ 09.1635.14C

Dali Version
- ☐ 09.1635.30CDA
- ▒ 09.1635.02CDA
- ■ 09.1635.14CDA

1-10V
- ☐ 09.1635.30C1V
- ▒ 09.1635.02C1V
- ■ 09.1635.14C1V

23° MEDIUM



Luminous flux luminaire
1046 lm (EXTREME CUT OFF)

Beam Angle: 23°

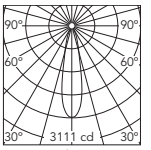
h(m)	E(lx)	D(m)
1	4527	0.40
2	1132	0.81
3	503	1.21
4	283	1.62
5	181	2.02

3000K - CRI 98
Non Dimmable
- ☐ 09.1630.30C
- ▒ 09.1630.02C
- ■ 09.1630.14C

Dali Version
- ☐ 09.1630.30CDA
- ▒ 09.1630.02CDA
- ■ 09.1630.14CDA

1-10V
- ☐ 09.1630.30C1V
- ▒ 09.1630.02C1V
- ■ 09.1630.14C1V

23° MEDIUM



Luminous flux luminaire
725 lm (EXTREME CUT OFF)

Beam Angle: 23°

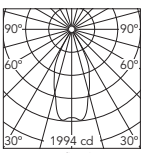
h(m)	E(lx)	D(m)
1	3111	0.41
2	778	0.82
3	346	1.22
4	194	1.63
5	124	2.04

3000K - CRI 80
Non Dimmable
- ☐ 09.1636.30C
- ▒ 09.1636.02C
- ■ 09.1636.14C

Dali Version
- ☐ 09.1636.30CDA
- ▒ 09.1636.02CDA
- ■ 09.1636.14CDA

1-10V
- ☐ 09.1636.30C1V
- ▒ 09.1636.02C1V
- ■ 09.1636.14C1V

46° FLOOD



Luminous flux luminaire
1108 lm (EXTREME CUT OFF)

Beam Angle: 46°

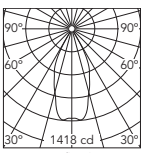
h(m)	E(lx)	D(m)
1	1994	0.84
2	499	1.68
3	222	2.52
4	125	3.36
5	80	4.19

3000K - CRI 98
Non Dimmable
- ☐ 09.1631.30C
- ▒ 09.1631.02C
- ■ 09.1631.14C

Dali Version
- ☐ 09.1631.30CDA
- ▒ 09.1631.02CDA
- ■ 09.1631.14CDA

1-10V
- ☐ 09.1631.30C1V
- ▒ 09.1631.02C1V
- ■ 09.1631.14C1V

46° FLOOD



Luminous flux luminaire
797 lm (EXTREME CUT OFF)

Beam Angle: 46°

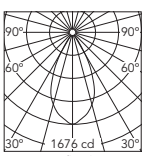
h(m)	E(lx)	D(m)
1	1418	0.84
2	355	1.69
3	158	2.53
4	89	3.37
5	57	4.21

3000K - CRI 80
Non Dimmable
- ☐ 09.1637.30C
- ▒ 09.1637.02C
- ■ 09.1637.14C

Dali Version
- ☐ 09.1637.30CDA
- ▒ 09.1637.02CDA
- ■ 09.1637.14CDA

1-10V
- ☐ 09.1637.30C1V
- ▒ 09.1637.02C1V
- ■ 09.1637.14C1V

51° WIDE FLOOD



Luminous flux luminaire
1075 lm (EXTREME CUT OFF)

Beam Angle: 51°

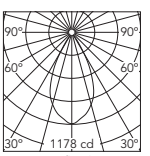
h(m)	E(lx)	D(m)
1	1676	0.95
2	419	1.89
3	186	2.84
4	105	3.79
5	67	4.74

3000K - CRI 98
Non Dimmable
- ☐ 09.1632.30C
- ▒ 09.1632.02C
- ■ 09.1632.14C

Dali Version
- ☐ 09.1632.30CDA
- ▒ 09.1632.02CDA
- ■ 09.1632.14CDA

1-10V
- ☐ 09.1632.30C1V
- ▒ 09.1632.02C1V
- ■ 09.1632.14C1V

51° WIDE FLOOD



Luminous flux luminaire
759 lm (EXTREME CUT OFF)

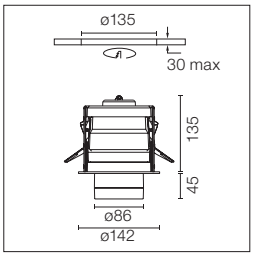
Beam Angle: 51°

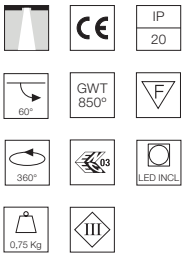
h(m)	E(lx)	D(m)
1	1178	0.95
2	295	1.91
3	131	2.86
4	74	3.82
5	47	4.77

Pure Downlight Trim

Light Source: Power LED DC 700 mA - 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI80







Recessed luminaire with LED light source. Power supply not included

Installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Marco de instalación. Se ha de pedir por separado.

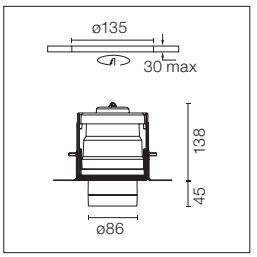
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9312
Dimmable 1-10V	60.8533
Dimmable Dali	60.8847
Mains Dimming	60.8534

* Refer to the Drivers chapter / Ver capítulo Drivers

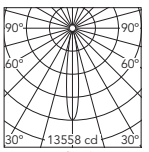
Pure Downlight No Trim





2700K - CRI 80
09.1640.30B
09.1640.02B
09.1640.14B

15° SPOT



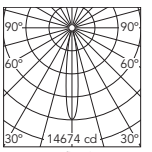
Luminous flux luminaire 1395 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

3000K - CRI 80
09.1645.30B
09.1645.02B
09.1645.14B

15° SPOT



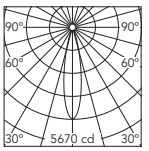
Luminous flux luminaire 1510 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

2700K - CRI 80
09.1641.30B
09.1641.02B
09.1641.14B

22° MEDIUM



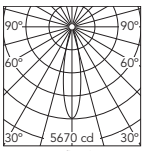
Luminous flux luminaire 1318 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

3000K - CRI 80
09.1646.30B
09.1646.02B
09.1646.14B

22° MEDIUM



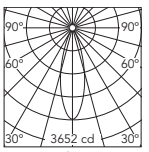
Luminous flux luminaire 1318 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

2700K - CRI 80
09.1642.30B
09.1642.02B
09.1642.14B

30° FLOOD



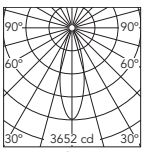
Luminous flux luminaire 1257 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

3000K - CRI 80
09.1647.30B
09.1647.02B
09.1647.14B

30° FLOOD



Luminous flux luminaire 1257 lm

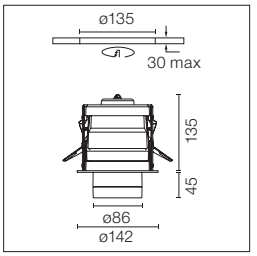
Beam Angle: 30°

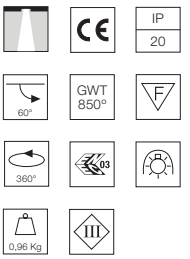
h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

Pure Downlight Trim

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.

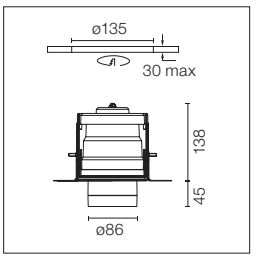
Installation frame must be ordered separately.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.

Marco de instalación. Se ha de pedir por separado.

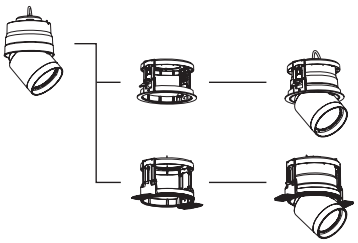
Pure Downlight No Trim





09.1600.30
09.1600.02
09.1600.14

Accessories / Accesorios



Trim

Example / Ejemplo:
09.1630.30 + 08.8149.30 = TRIM

No Trim

Example / Ejemplo:
09.1630.30 + 08.8152.00 = NO TRIM

Installation frame.

Marco de instalación.





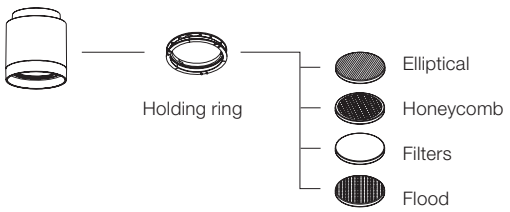
Pure Downlight Trim
08.8149.30
08.8149.02
08.8149.14

Pure Downlight No Trim
08.8152.00

Accessories / Accesorios

Elliptical lens, honeycomb filter, different filters and flood lens, must always be used with the holding ring using the correct diameter.

Los accesorios: lente de distribución elíptica, elemento apantallador, los diferentes filtros y la lente flood deben ser utilizados siempre con el aro soporte, de su diámetro correspondiente.



Holding ring Aro soporte		08.8166.14

Elliptical lens Lente elíptica		08.8163.68
Flood lens Lente flood		08.8175.68
Honeycomb Honeycomb		08.8169.14
Blue filter Filtro azul		08.8160.64.OD
Sky blue filter Filtro celeste		08.8160.65.OD
Amber filter Filtro ámbar		08.8160.66.OD
Red filter Filtro rojo		08.8160.67.OD
U.V. filter Filtro anti U.V.		08.8160.98.OD
I.R. filter Filtro anti I.R.		08.8160.68
Hot light Hot light		08.8160.69
Cold light Cold light		08.8160.CL
Daylight Daylight		08.8160.DL
Neodimium Neodimium		08.8160.ND

Pure Downlight external ring accessory PRO. Only for halogen lamps, consult for LED version. Aro exterior PRO para Pure Downlight. Solo para versiones de halógenos, consultar para versión LED.		08.8232.30 08.8232.02 08.8232.14

COMPASS

DESIGNED BY FLOS ARCHITECTURAL

ADJUSTABLE
Ø90



LIGHT SOURCE
LED
PAR 16
GZ10

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

OPAL
Ø90



LIGHT SOURCE
LED
QT-12
GY6.35

FIXED
Ø90



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

IP65
Ø95



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

ADJUSTABLE
Ø162



LIGHT SOURCE
LED
QR-111
G53

☐ 30 Matt White/RAL 9001
30 Blanco Mate



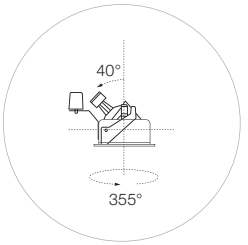
■ 02 Grey/RAL 9006
02 Gris



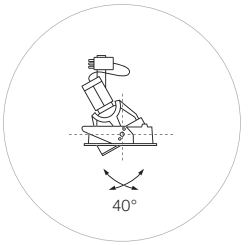
■ 14 Matt Black/RAL 9005
14 Negro Mate



Compass Ø90



Compass Ø162



Description
Luminaire for LED retrofit lamps.
- Fixed:
Recessed body in black-painted metal. Die-cast aluminum alloy, powder-coated closing ring. Die-cast aluminum lamp support with heat dissipating element. Black thermoplastic anti-glare ring, 4 mm tempered glass cover. Stainless steel fixing brackets.
- Adjustable:
Injection-moulded aluminum reflector body with powder-coated finish. Lamp support with die-cast aluminum, black powder-coated heat dissipating element. Thermoplastic recessed ring and screening ring; die-cast aluminum, black powder-coated anti-glare ring. 4 mm tempered glass cover. Stainless steel fixing brackets.

Accessories
- Black Teflon screening cylinders on stainless steel support.
- Screening cylinder with black thermoplastic rotating pin.
- 4 mm tempered glass elliptical distribution lens.
- Chromatic filters.

Additional Information
Compass-type adjustment system, for 0° - 40° adjustment in all directions.
IP23, IP43, IP44, IP65 protection grade depending on the versions.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Luminaria para lámparas de LED retrofit.
- Fija:
Cuerpo para empotrar de metal barnizado de color negro. Anillo de cierre en aleación de aluminio inyectado a presión y pintado con barniz en polvo. Portalámparas con elemento disipador en aluminio inyectado a presión. Anillo antirreflejos de material termoplástico negro. Cristal de protección templado de 4 mm de espesor. Sistema de fijación mediante soportes de acero inoxidable.
- Orientable:
Cuerpo óptico realizado por inyección de aluminio, acabado pintado con barniz en polvo. Portalámparas con elemento disipador en aluminio inyectado a presión pintado con barniz en polvo de color negro. Aro para empotrar y aro de protección de material termoplástico; aro antirreflejos de aluminio inyectado a presión pintado con barniz en polvo de color negro. Cristal de protección templado de 4 mm de espesor. Sistema de fijación mediante soportes de acero inoxidable.

Accesorios
- Cilindros de protección de Teflón negro fijados sobre soporte de acero inoxidable.
- Cilindro de protección con clavija giratoria de material termoplástico negro.
- Lente de distribución elíptica de cristal templado de 4 mm.
- Filtros cromáticos.

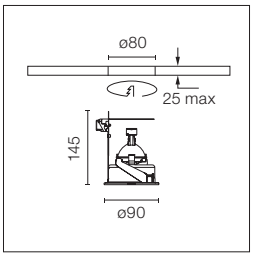
Información Adicional
Sistema de orientación tipo compás que permite la orientación hasta 40° en todas las direcciones.
Índice de protección IP23, IP43, IP44, IP65, según las versiones.
Clase de aislamiento II, III, según las versiones.
Instalables sobre superficies normalmente inflamables.

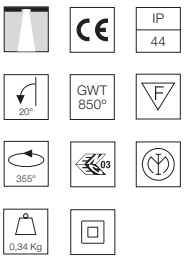
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Compass Adjustable Ø90

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source for LED Retrofit lamp.

Angle greater than 25°, as per CIBSE LG3 (L<200 cd/m2).

Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit.

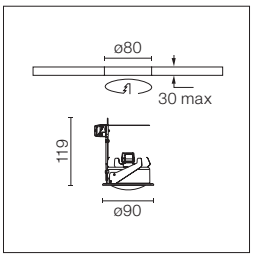
Ángulo de apantallamiento superior a 25°, según norma CIBSE LG3 (L<200 cd/m2).

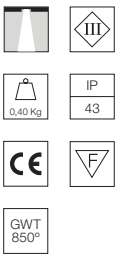
- 03.3506.30
- 03.3506.02
- 03.3506.14

Compass Opal C Ø90

Light Source: LED QT-12 GY6.35





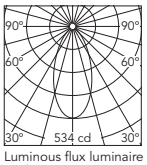


Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

- 03.3539.30
- 03.3539.02
- 03.3539.14





Luminous flux luminaire
950 lm

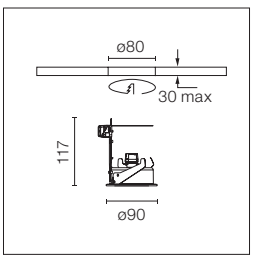
Beam Angle: 49°

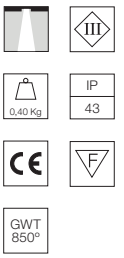
h(m)	E(lx)	D(m)
1	534	0.90
2	134	1.80
3	59	2.71
4	33	3.61
5	21	4.51

Compass Opal P Ø90

Light Source: LED QT-12 GY6.35





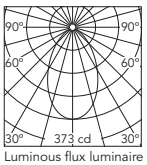


Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

- 03.3538.30
- 03.3538.02
- 03.3538.14





Luminous flux luminaire
910 lm

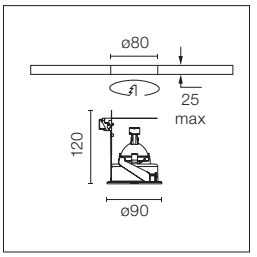
Beam Angle: 64°

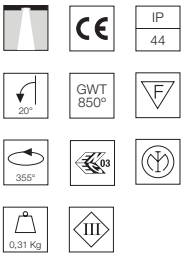
h(m)	E(lx)	D(m)
1	373	1.25
2	93	2.50
3	41	3.75
4	23	5.00
5	15	6.24

Compass Adjustable Ø90

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Angle greater than 25°, as per CIBSE LG3 (L<200 cd/m²).

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

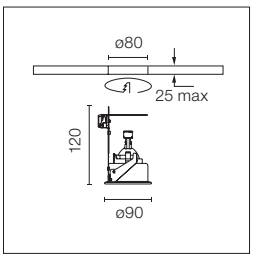
Ángulo de apantallamiento superior a 25°, según norma CIBSE LG3 (L<200 cd/m²).

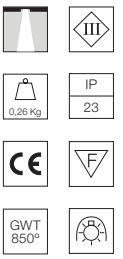
03.3505.30
03.3505.02
03.3505.14

Compass Fixed Ø90

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp.Remote transformer not included.

Angle greater than 25°, as per CIBSE LG3 (L<200 cd/m²).

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

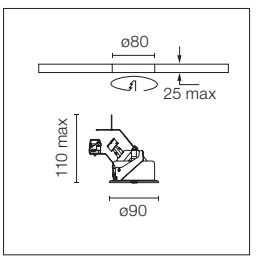
Ángulo de apantallamiento superior a 25°, según norma CIBSE LG3 (L<200 cd/m²).

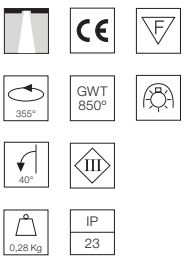
03.3507.30
03.3507.02
03.3507.14

Compass Adjustable Ø90

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

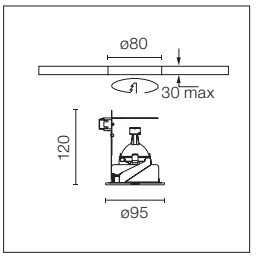
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

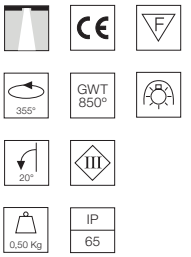
03.3508.30
03.3508.02
03.3508.14

Compass IP65 Ø95

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

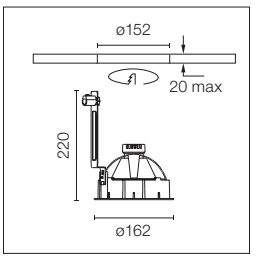
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

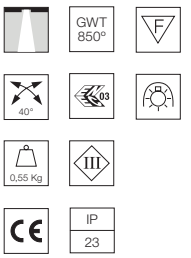
03.3502.30
03.3502.02
03.3502.14

Compass Adjustable Ø162

Light Source: LED QR-111 G53







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

03.3520.30
03.3520.02
03.3520.14

Accessories / Accesorios

Refs: 3502 / 3505 / 3506 / 3507 / 3508

Compas Ø90/Ø95

Elliptical lens Lente elíptica		08.8041.68
Blue filter Filtro azul		08.8042.64.OD
Sky blue filter Filtro celeste		08.8042.65.OD
Amber filter Filtro ámbar		08.8042.66.OD
Red filter Filtro rojo		08.8042.67.OD
U.V. filter Filtro anti U.V.		08.8042.98.OD
I.R. filter Filtro anti I.R.		08.8042.68
Hot light Hot light		08.8042.69
Cold light Cold light		08.8042.CL
Daylight Daylight		08.8042.DL
Neodimium Neodimium		08.8042.ND

Compas Ø162

Screening crosspiece Cruceta de apantallamiento		08.8034.14
Elliptical lens Lente elíptica		08.8930.68
Anti-glare grid Rejilla anti-deslumbramiento		08.8036.14
Flood lens Lente flood		08.8931.68
Blue filter Filtro azul		08.8932.64.OD
Sky blue filter Filtro celeste		08.8932.65.OD
Amber filter Filtro ámbar		08.8932.66.OD
Red filter Filtro rojo		08.8932.67.OD
U.V. filter Filtro anti U.V.		08.8932.98.OD
I.R. filter Filtro anti I.R.		08.8933.68
Hot light Hot light		08.8932.69
Cold light Cold light		08.8932.CL
Daylight Daylight		08.8932.DL
Neodimium Neodimium		08.8932.ND

ANTHONY DOWNLIGHT

DESIGNED BY ANTONIO CITTERIO



LIGHT SOURCE
POWER LED
10W
905 lm
2700K/CRI 90
975 lm
3000K/CRI 90

40 White
40 Blanco



05 Chrome
05 Cromo



14 Black
14 Negro



Description
Downlight designed by Antonio Citterio for installation in ceilings, with state-of-the-art power LED technology. Light fitting with highly versatile revolving (360º) and tilt (40º) system, enabling it to be accurately oriented towards illuminated objects. The finishes available have the light fitting heads in white, chrome and black, while the embedded body is always in white. This new version has honeycomb, elliptical and flood options.

Power Supply
Direct current power source not included Available in non-adjustable versions and DALI for network voltages 110Vac and 230Vac.

Additional Information
IP20 protection grade.
Insulation class III.

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

Descripción
Downlight diseñado por Antonio Citterio para instalación empotrada en techos, con tecnología power LED de última generación. Luminaria dotada de sistema de giro (360º) y basculación (40º) de gran versatilidad, permitiendo su orientación precisa hacia objetos iluminados. Los acabados disponibles ofrecen la cabeza de la luminaria en decorados, blanco, cromo y negro, mientras que el cuerpo de empotramiento se ofrece siempre en blanco. Esta nueva versión cuenta con filtros honeycomb, elíptico y flood opcionales.

Unidades de Alimentación
Fuente de alimentación de corriente constante no incluida. Disponibles en versiones no regulables y DALI tanto para tensiones de red de 110Vac como 230Vac.

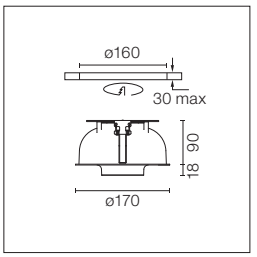
Información Adicional
Índice de protección IP20.
Clase de aislamiento III.

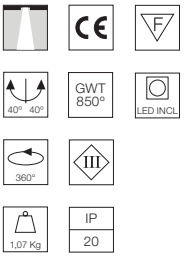
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Anthony Downlight

Light Source: Power LED DC 900mA - 10W - 905 lm - 2700K/CRI 90 / 10W - 975 lm - 3000K/CRI 90







High-performance embedded light fixture for LED light source. Remote 220-240V power supply not included.

Standard trim cove in white for all finishes; black finish available under request.

Empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V no incluida.

Cuerpo empotrado acabado en blanco para todos los decorados; acabado en negro disponible bajo pedido.

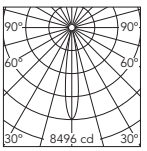
Recommended power supply / Equipos recomendados*:

Non Dimmable 110-240V (900mA)	60.9233
Dimmable Dali 2 220-240V	60.9186
Dimmable Dali/1-10V/Push	60.8530
Dimmable 0-10V 220-240V	60.9188
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.6415.40B
- 03.6415.05B
- 03.6415.14B





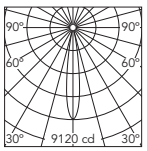
Luminous flux luminaire
795 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8496	0.27
2	2124	0.54
3	944	0.81
4	531	1.09
5	340	1.36

3000K
- 03.6416.40B
- 03.6416.05B
- 03.6416.14B





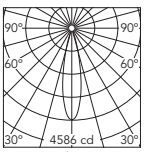
Luminous flux luminaire
853 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	9120	0.27
2	2280	0.54
3	1013	0.81
4	570	1.09
5	365	1.36

2700K
- 03.6417.40B
- 03.6417.05B
- 03.6417.14B





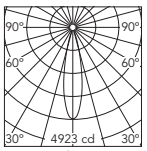
Luminous flux luminaire
827 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4586	0.40
2	1147	0.79
3	510	1.19
4	287	1.58
5	183	1.98

3000K
- 03.6418.40B
- 03.6418.05B
- 03.6418.14B





Luminous flux luminaire
888 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4923	0.40
2	1231	0.79
3	547	1.19
4	308	1.58
5	197	1.98

Accessories / Accesorios

Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35º) order Anthony Downlight Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35º) pedir Anthony Downlight Medium + lente flood.		08.0050.00

WAN DOWNLIGHT

DESIGNED BY JOHANNA GRAWUNDER



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80



LIGHT SOURCE
LED
QT-14
G9

30 White
30 Blanco

05 Polished Aluminium
05 Aluminio Pulido

14 Black
14 Negro

GN Green
GN Verde









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.

Additional Information
IP44 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Luminaria de luz directa para ser instalada empotrada a techo. Aro de aluminio disponible en acabado pulido, blanco brillante, verde esmaltado y negro brillante.
Incorpora cono antideslumbramiento.
El producto lleva incorporados dos aros interiores intercambiables, que sujetan el cristal templado y el reflector, en acabado negro brillante o verde esmaltado.

Reflectores
Reflector de aluminio tratado con chorro de arena y blanqueado químicamente.

Unidades de Alimentación
Luminaria precableada para ser alimentada mediante equipo remoto.

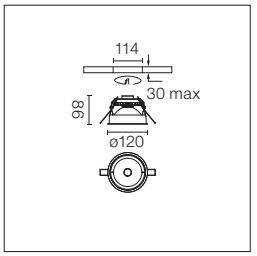
Información Adicional
Índice de protección IP44.
Clase de aislamiento II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

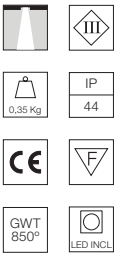
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Wan Downlight

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80







Recessed luminaire with LED light source. Power supply not included.

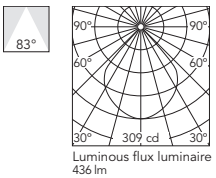
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 03.6154.30A
- 03.6154.05A
- 03.6154.14A
- 03.6154.GNA



Beam Angle: 83°

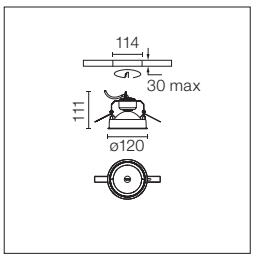
h(m)	E(lx)	D(m)
1	309	1.77
2	77	3.55
3	34	5.32
4	19	7.09
5	12	8.87

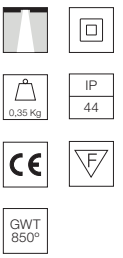
Luminous flux luminaire
436 lm

Wan Downlight

Light Source: LED QT-14 G9



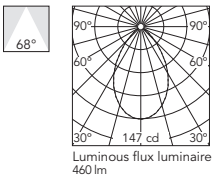




Recessed luminaire with main voltage source.

Luminaria empotrable con alimentación directa a red.

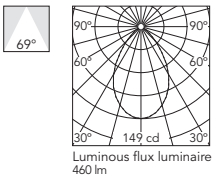
- 03.6150.30
- 03.6150.05
- 03.6150.14
- 03.6150.GN



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
@Black 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

Luminous flux luminaire
460 lm
@Green Ring

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



JOHNNY 120
SEMI-RECESSED
1L/2L SQUARE



LIGHT SOURCE
LED ARRAY
LED ARRAY HIGH PERFORMANCE
18W
1555 lm
2700K/CRI 90
1600 lm
3000K/CRI 90

Johnny 80
Trim / No Trim



☐ 40 White
40 Blanco

■ 14 Black
14 Negro

Johnny 120
Trim



☐ White
Blanco

■ Black
Negro

Johnny 120
No Trim



■ Black
Negro

Inside / Interior

☐ White
Blanco

■ Black
Negro

Outside / Exterior

☐ 40 White
40 Blanco

CE Concrete
CE Cemento

TK Teak
TK Teca

■ 14 Black
14 Negro

Johnny 80 Semi-Recessed

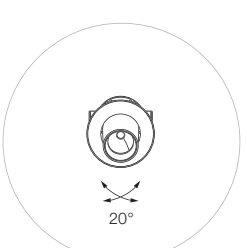


Johnny 120 Semi-Recessed

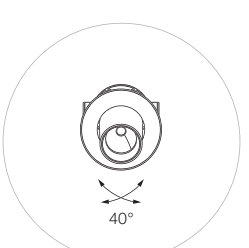


Can be rotated in any direction
Puede ser rotado en cualquier dirección.

Johnny 80



Johnny 120



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.

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.

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

Descripción
Sistema de iluminación de uno o dos focos orientables, en versión empotrada (Trim y No Trim) y semi-empotrada para ser instalado en techo.
Disponible en dos tamaños: 80 mm y 120 mm en versiones redonda y cuadrada.
Sistema de orientación exclusivo de fácil fijación permitiendo la precisa orientación del haz de luz.

Unidades de Alimentación
Fuente de alimentación de corriente constante 220/240V remota no incluida.

Accesorios
Johnny 80:
- Cruceta de apantallamiento y honeycomb incluidos en el producto

Johnny 120:
- Cruceta de apantallamiento
- Honeycomb
- Lente elíptica
- Lente flood

Información Adicional
Sistema de orientación integrado en cuerpo telescópico para la versión Johnny 80.
Índice de protección IP20.
Instalable en superficies normalmente inflamables.

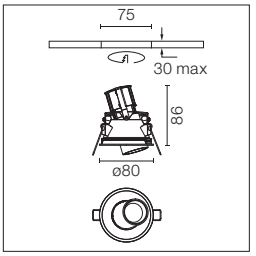
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

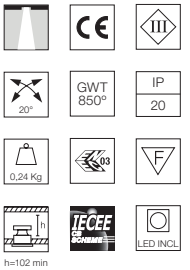
Johnny 80 1L Trim
Johnny 80 1L No Trim
Johnny 80 2L Trim
Johnny 80 2L No Trim
Johnny 80 Semi-Recessed
Johnny 120 Trim
Johnny 120 No Trim
Johnny 120 Semi-Recessed

Johnny Ø80 Trim 1L Round

Light Source: 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







Recessed luminaire with LED light source. Power supply not included.

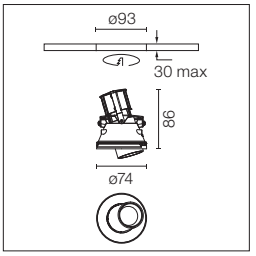
Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny Ø80 No Trim 1L Round





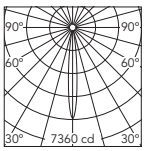
Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.0701.40A
- 03.0701.14A
- 03.0701.40ANT
- 03.0701.14ANT

11° SPOT



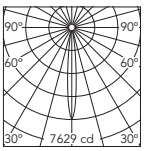
Beam Angle: 11°

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

Luminous flux luminaire 385 lm (EXTREME CUT OFF)

3000K
- 03.0700.40A
- 03.0700.14A
- 03.0700.40ANT
- 03.0700.14ANT

11° SPOT



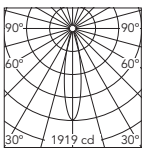
Beam Angle: 11°

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

Luminous flux luminaire 399 lm (EXTREME CUT OFF)

2700K
- 03.0705.40A
- 03.0705.14A
- 03.0705.40ANT
- 03.0705.14ANT

21° MEDIUM



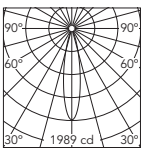
Beam Angle: 21°

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

Luminous flux luminaire 359 lm (EXTREME CUT OFF)

3000K
- 03.0704.40A
- 03.0704.14A
- 03.0704.40ANT
- 03.0704.14ANT

21° MEDIUM



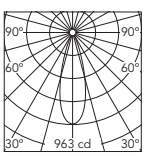
Beam Angle: 21°

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

Luminous flux luminaire 373 lm (EXTREME CUT OFF)

2700K
- 03.0709.40A
- 03.0709.14A
- 03.0709.40ANT
- 03.0709.14ANT

31° FLOOD



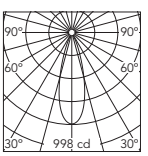
Beam Angle: 31°

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

Luminous flux luminaire 300 lm (EXTREME CUT OFF)

3000K
- 03.0708.40A
- 03.0708.14A
- 03.0708.40ANT
- 03.0708.14ANT

31° FLOOD



Beam Angle: 31°

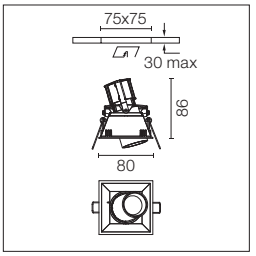
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

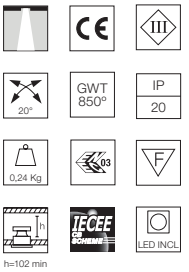
Luminous flux luminaire 311 lm (EXTREME CUT OFF)

Johnny 80 Trim 1L Square

Light Source: 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







Recessed luminaire with LED light source. Power supply not included.

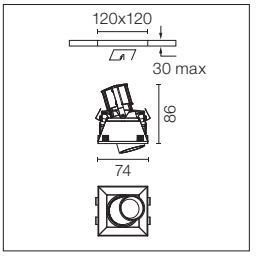
Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny 80 No Trim 1L Square





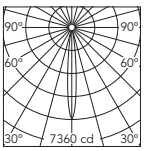
Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.0703.40A
- 03.0703.14A
- 03.0703.40ANT
- 03.0703.14ANT

11° SPOT



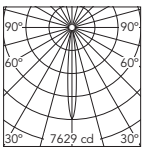
Beam Angle: 11°

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

Luminous flux luminaire 385 lm (EXTREME CUT OFF)

3000K
- 03.0702.40A
- 03.0702.14A
- 03.0702.40ANT
- 03.0702.14ANT

11° SPOT



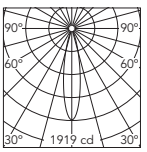
Beam Angle: 11°

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

Luminous flux luminaire 399 lm (EXTREME CUT OFF)

2700K
- 03.0707.40A
- 03.0707.14A
- 03.0707.40ANT
- 03.0707.14ANT

21° MEDIUM



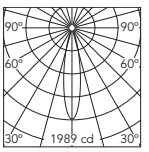
Beam Angle: 21°

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

Luminous flux luminaire 359 lm (EXTREME CUT OFF)

3000K
- 03.0706.40A
- 03.0706.14A
- 03.0706.40ANT
- 03.0706.14ANT

21° MEDIUM



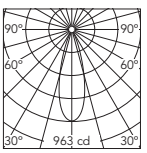
Beam Angle: 21°

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

Luminous flux luminaire 373 lm (EXTREME CUT OFF)

2700K
- 03.0711.40A
- 03.0711.14A
- 03.0711.40ANT
- 03.0711.14ANT

31° FLOOD



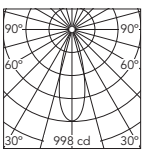
Beam Angle: 31°

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

Luminous flux luminaire 300 lm (EXTREME CUT OFF)

3000K
- 03.0710.40A
- 03.0710.14A
- 03.0710.40ANT
- 03.0710.14ANT

31° FLOOD



Beam Angle: 31°

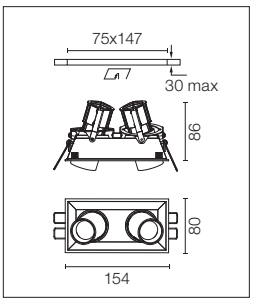
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

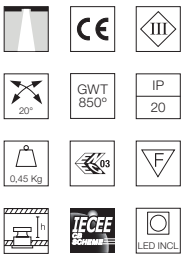
Luminous flux luminaire 311 lm (EXTREME CUT OFF)

Johnny 80 Trim 2L Square

Light Source: 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







Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

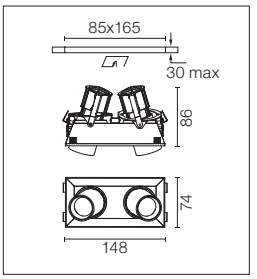
Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny 80 No Trim 2L Square





Pre-installation frame. To be ordered separately.

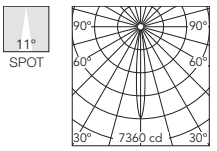
Marco de pre-instalación Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.0713.40A
- 03.0713.14A
- 03.0713.40ANT
- 03.0713.14ANT

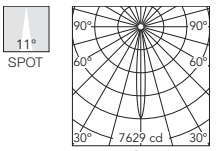


Beam Angle: 11°

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

Luminous flux luminaire 385 lm (EXTREME CUT OFF)

3000K
- 03.0712.40A
- 03.0712.14A
- 03.0712.40ANT
- 03.0712.14ANT

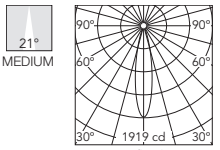


Beam Angle: 11°

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

Luminous flux luminaire 399 lm (EXTREME CUT OFF)

2700K
- 03.0715.40A
- 03.0715.14A
- 03.0715.40ANT
- 03.0715.14ANT

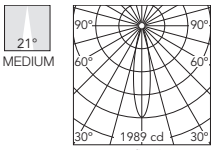


Beam Angle: 21°

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

Luminous flux luminaire 359 lm (EXTREME CUT OFF)

3000K
- 03.0714.40A
- 03.0714.14A
- 03.0714.40ANT
- 03.0714.14ANT

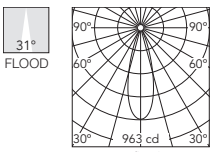


Beam Angle: 21°

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

Luminous flux luminaire 373 lm (EXTREME CUT OFF)

2700K
- 03.0717.40A
- 03.0717.14A
- 03.0717.40ANT
- 03.0717.14ANT

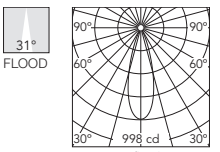


Beam Angle: 31°

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

Luminous flux luminaire 300 lm (EXTREME CUT OFF)

3000K
- 03.0716.40A
- 03.0716.14A
- 03.0716.40ANT
- 03.0716.14ANT



Beam Angle: 31°

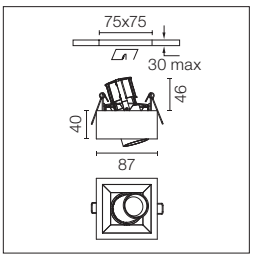
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

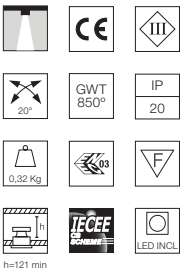
Luminous flux luminaire 311 lm (EXTREME CUT OFF)

Johnny 80 Semi-Recessed 1L Square

Light Source: 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







Semi-recessed luminaire with LED light source. Power supply not included.

Accessories included (honeycomb and screening crosspiece).

E= External Finish
I= Internal Finish

Luminaria semi-empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

E= Acabado Externo
I= Acabado Interno



Recommended power supply / Equipos recomendados*:

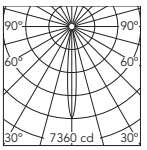
	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

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)

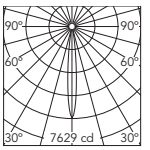
Beam Angle: 11°

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)

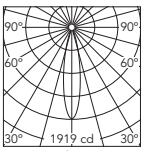
Beam Angle: 11°

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)

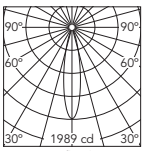
Beam Angle: 21°

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)

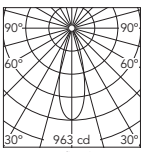
Beam Angle: 21°

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)

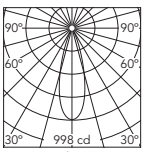
Beam Angle: 31°

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)

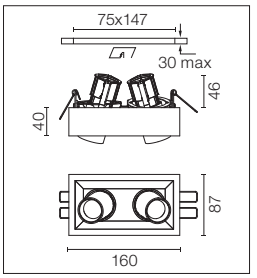
Beam Angle: 31°

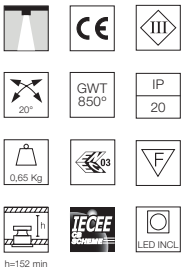
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Semi-Recessed 2L Square

Light Source: 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







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

Luminaria semi-empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

E= Acabado Externo
I= Acabado Interno



Recommended power supply / Equipos recomendados*:

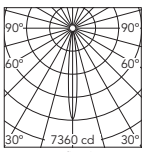
	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

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)

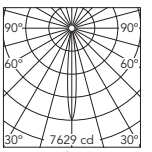
Beam Angle: 11°

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)

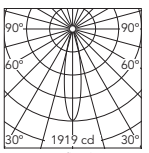
Beam Angle: 11°

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)

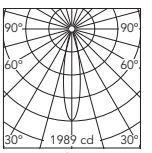
Beam Angle: 21°

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)

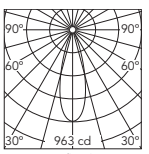
Beam Angle: 21°

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)

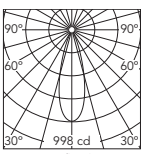
Beam Angle: 31°

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

Accessories / Accesorios

Johnny 80 No Trim 1L

Installation frame No Trim.
Johnny ø80.

Marco de instalación No Trim.
Johnny ø80.



Johnny ø80 Round
☐ 08.9102.00

Installation frame No Trim.
Johnny □80.

Marco de instalación No Trim.
Johnny □80.



Johnny □80 Square
☐ 08.9103.00

Johnny 80 No Trim 2L Square

Installation frame No Trim.
Johnny 80 2L Square.

Marco de instalación No Trim.
Johnny 80 2L Square.

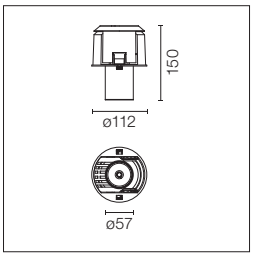


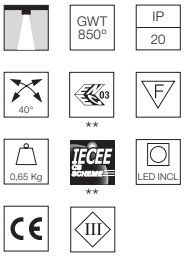
☐ 08.9105.00

Johnny 120 Light Source

Light Source: LED Array / LED Array High Performance
Without accessories: DC 500 mA - 18W - 1770 lm - 2700K/CRI 90 / 18W - 1870 lm - 3000K/CRI 90
With accessories: DC 450 mA - 16W - 1612 lm - 2700K/CRI 90 / 16W - 1704 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. One driver is needed per each light source.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

**Part number with certificate: 0741 / 0743 / 0745 / 0740 / 0742 / 0744

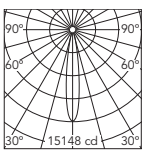
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

High Performance
2700K
☐ 03.0801.40
■ 03.0801.14

16° SPOT



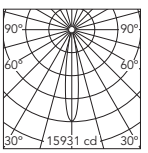
Luminous flux luminaire
1636 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	15148	0.28
2	3787	0.56
3	1683	0.84
4	947	1.12
5	606	1.40

High Performance
3000K
☐ 03.0800.40
■ 03.0800.14

16° SPOT



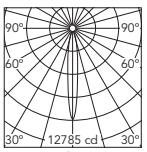
Luminous flux luminaire
1721 lm (EXTREME CUT OFF)

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	15931	0.28
2	3983	0.56
3	1770	0.84
4	996	1.12
5	637	1.40

2700K
☐ 03.0741.40
■ 03.0741.14

13° SPOT



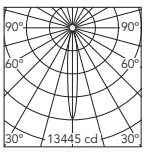
Luminous flux luminaire
1324 lm (EXTREME CUT OFF)

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



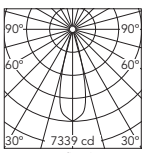
Luminous flux luminaire
1393 lm (EXTREME CUT OFF)

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
☐ 03.0803.40
■ 03.0803.14

28° MEDIUM



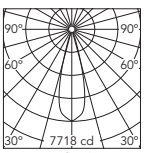
Luminous flux luminaire
1588 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	7339	0.50
2	1835	1.00
3	815	1.50
4	459	2.00
5	294	2.50

High Performance
3000K
☐ 03.0802.40
■ 03.0802.14

28° MEDIUM



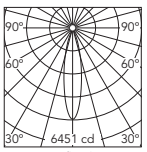
Luminous flux luminaire
1670 lm (EXTREME CUT OFF)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	7718	0.50
2	1930	1.00
3	858	1.50
4	482	2.00
5	309	2.50

2700K
☐ 03.0743.40
■ 03.0743.14

22° MEDIUM



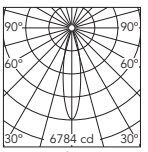
Luminous flux luminaire
1222 lm (EXTREME CUT OFF)

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



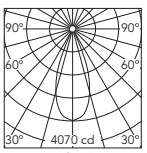
Luminous flux luminaire
1285 lm (EXTREME CUT OFF)

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
☐ 03.0805.40
■ 03.0805.14

40° FLOOD



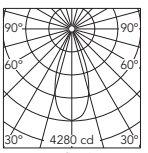
Luminous flux luminaire
1607 lm (EXTREME CUT OFF)

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4070	0.73
2	1017	1.46
3	452	2.18
4	254	2.91
5	163	3.64

High Performance
3000K
☐ 03.0804.40
■ 03.0804.14

40° FLOOD



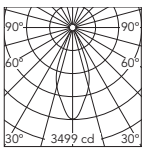
Luminous flux luminaire
1690 lm (EXTREME CUT OFF)

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4280	0.73
2	1070	1.46
3	476	2.18
4	268	2.91
5	171	3.64

2700K
☐ 03.0745.40
■ 03.0745.14

41° FLOOD



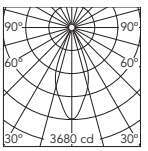
Luminous flux luminaire
1456 lm (EXTREME CUT OFF)

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



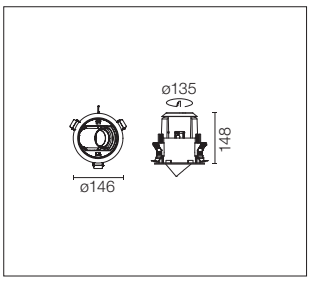
Luminous flux luminaire
1531 lm (EXTREME CUT OFF)

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





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.

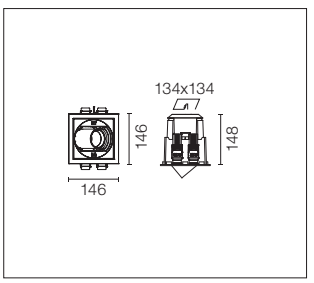
☐ 08.0555.00
+
1x Light Source
+
1x Driver

Referencia única para las instalaciones empotrables Trim o No Trim.
08.0555.00=incluye marco en blanco para completar el acabado Trim.
08.0505.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

■ 08.0505.00
+
1x Light Source
+
1x Driver

Johnny 120 Square 1L – Recessed Universal Frame





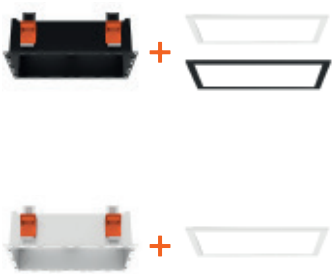
Unique reference for Trim or No Trim recessed installation.
08.0550.00=includes white frame to complete Trim finishing.
08.0500.00=includes optional white and black frames to complete Trim finishing.

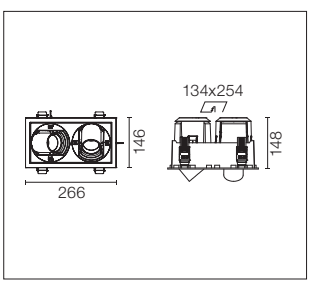
☐ 08.0550.00
+
1x Light Source
+
1x Driver

Referencia única para las instalaciones empotrables Trim o No Trim.
08.0550.00=incluye marco en blanco para completar el acabado Trim.
08.0500.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

■ 08.0500.00
+
1x Light Source
+
1x Driver

Johnny 120 Square 2L – Recessed Universal Frame





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.

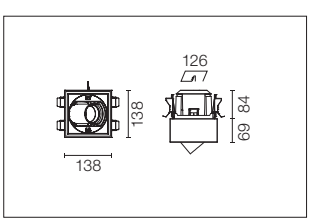
☐ 08.0551.00
+
2x Light Source
+
2x Driver

Referencia única para las instalaciones empotrables Trim o No Trim.
08.0551.00=incluye marco en blanco para completar el acabado Trim.
08.0501.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

■ 08.0501.00
+
2x Light Source
+
2x Driver

Johnny 120 Semi-Recessed 1L Square – Housing



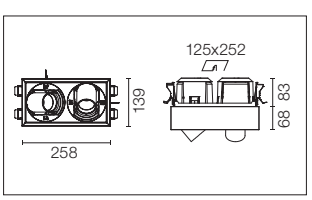


E I
08.0556.40
08.0556.CE
08.0556.TK
08.0556.14
+
1x Light Source
+
1x Driver

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

Accessories / Accesorios

Johnny 120

Screening crosspiece Cruceta de apantallamiento		08.8429.00
Elliptical lens Lente elíptica		08.8431.00

Johnny 120

Flood lens Lente flood		08.8432.00
Honeycomb Honeycomb		08.8428.00
Snoot shielding cone Cono apantallador		08.0526.00

HOW TO ORDER JOHNNY 120

TRIM / NO TRIM 1L ROUND

Universal frame

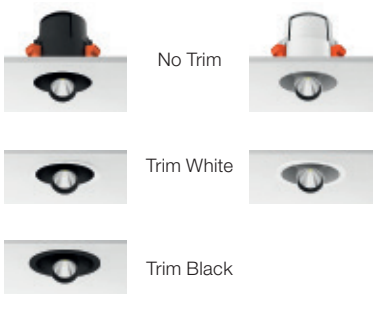


08.0505.00 + 08.0555.00

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



No Trim

Trim White

Trim Black

TRIM / NO TRIM 1L SQUARE

Universal frame

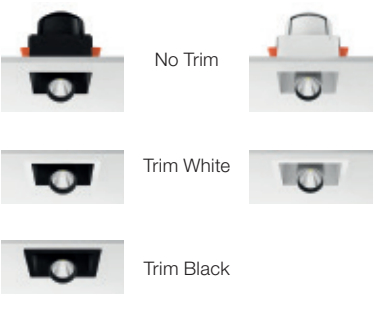


08.0500.00 + 08.0550.00

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



No Trim

Trim White

Trim Black

TRIM / NO TRIM 2L SQUARE

Universal frame

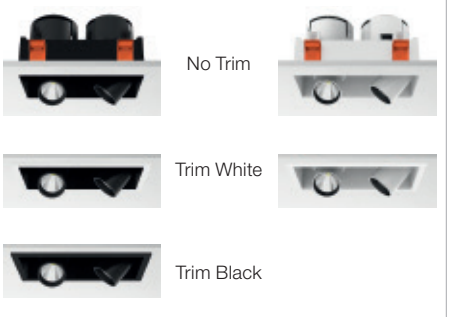


08.0501.00 + 08.0551.00

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

* Power supply not included. One driver is needed per each light source / Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

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

* Power supply not included. One driver is needed per each light source / Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

COMPASS BOX RECESSED

DESIGNED BY FLOS ARCHITECTURAL

SMALL 1L / 2L	SMALL 1L / 2L	LARGE 1L / 2L
		
LIGHT SOURCE LED ARRAY 9,2W 945 lm 3000K/CRI 80	**LIGHT SOURCE** LED QR-CBC 51 GX5.3	**LIGHT SOURCE** LED QR-111 G53

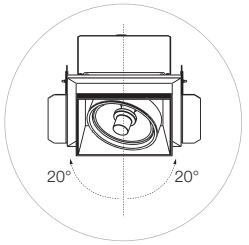
☐ 30 Matt White/RAL 9001
30 Blanco Mate



■ 14 Matt Black/RAL 9005
14 Negro Mate



Can be swivelled 20°.
Puede ser orientado 20°.



Description
1 or 2 lamp adjustable- system, for recessed ceiling thicknesses of 1-30 mm.
Suitable for LED light sources.
Pressed steel powder-coated recessed housing, extruded aluminum recessed trim frame for use with false ceiling systems.
Steel “compass-type” adjustment mechanism, powder-coated matt black.
For LED retrofit versions: innovative steel bracket fixing system, painted black, with allen key locking mechanism.
Terminal block positioned on canopy housing box.

Reflectors
Super-pure, anodised-aluminum, silver reflectors with polished specular finish. Black thermoplastic protective ring for high luminance lamps.

Power Supply
Pre-wiring included; ready for remote power supply.
For LED retrofit versions:
- Electronic transformer 20/105W, 220/240V, 50/60Hz suitable for dimming when used with trailing edge dimmers.

Accessories
- Screening cylinder with cross baffle element incorporated, black powder-coated finish.
- Honeycomb.
- Frame needed for installation on false ceiling.

Additional Information
Compass-type adjustment system permits focusing from 0° to 40° in all directions.
IP20 protection grade.
Insulation class I, III depending on the versions.

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

Descripción
Sistema de 1 ó 2 luminarias orientables, para empotrar en falsos techos de 1 a 30 mm de espesor.
Diseñado para fuentes de iluminación LED.
Cuerpo empotrable de acero pintado con barniz en polvo y marco para empotrar realizado de extrusión de aluminio con sistema de fijación al falso techo.
Para las versiones LED retrofit: sistema de orientación tipo “compás” de acero pintado con barniz en polvo de color negro opaco. Sistema de fijación mediante soportes de acero pintado negro atornillados. Regleta para las conexiones eléctricas situada por encima de la caja que aloja las lámparas.

Reflectores
Reflector de aluminio con acabado anodizado de color plateado por el exterior y con revestimiento de aluminio superpuro en el interior. Aro de protección de material termoplástico negro para las lámparas de alta luminancia.

Unidades de Alimentación
Precableado incluido, listo para ser alimentado mediante dispositivos a distancia.
Para las versiones LED retrofit:
- Transformador electrónico 20/105W, 220/240V, 50/60Hz con regulación de intensidad mediante dispositivo “trailing edge”.

Accesorios
- Cilindro de protección con rejilla direccional incorporada, acabado pintado con barniz negro en polvo.
- Honeycomb.
- Marco necesario para la instalación en falso techo.

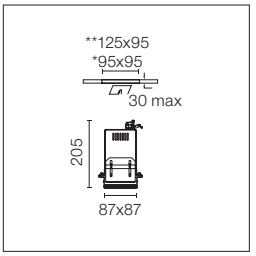
Información Adicional
Sistema de orientación que permite la orientación a 40° en todas las direcciones.
Índice de protección IP20.
Clase de aislamiento I, III, según las versiones.

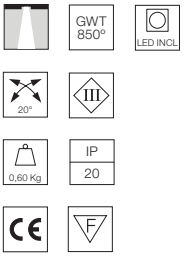
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Compass Box Recessed Small 1L

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80







No Trim recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable No Trim para fuente de luz LED. Fuente de alimentación no incluida.

Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

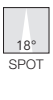
Recommended power supply / Equipos recomendados*:

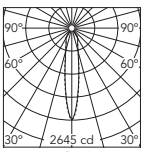
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

03.2675.30A
03.2675.14A





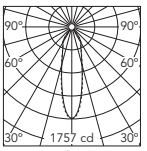
Luminous flux luminaire
789 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2645	0.31
2	661	0.62
3	294	0.93
4	165	1.23
5	106	1.54

03.2676.30A
03.2676.14A





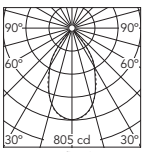
Luminous flux luminaire
783 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1757	0.47
2	439	0.93
3	195	1.40
4	110	1.87
5	70	2.34

03.2677.30A
03.2677.14A





Luminous flux luminaire
739 lm (EXTREME CUT OFF)

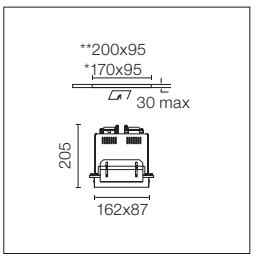
Beam Angle: 59°

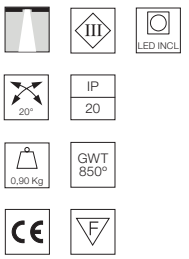
h(m)	E(lx)	D(m)
1	805	1.14
2	201	2.28
3	89	3.42
4	50	4.56
5	32	5.70

Compass Box Recessed Small 2L

Light Source: LED Array DC 500 mA - 2x9,2W - 2x945 lm - 3000K/CRI 80







No Trim recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable No Trim para fuente de luz LED. Fuente de alimentación no incluida. Es necesario una fuente de alimentación por cada cuerpo óptico.

Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

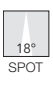
Recommended power supply / Equipos recomendados*:

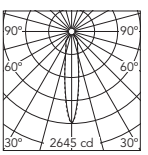
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

03.2680.30A
03.2680.14A





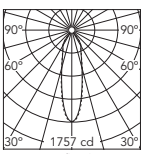
Luminous flux luminaire
789 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2645	0.31
2	661	0.62
3	294	0.93
4	165	1.23
5	106	1.54

03.2681.30A
03.2681.14A





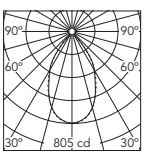
Luminous flux luminaire
783 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1757	0.47
2	439	0.93
3	195	1.40
4	110	1.87
5	70	2.34

03.2682.30A
03.2682.14A





Luminous flux luminaire
739 lm (EXTREME CUT OFF)

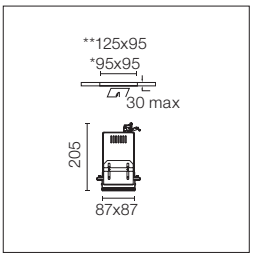
Beam Angle: 59°

h(m)	E(lx)	D(m)
1	805	1.14
2	201	2.28
3	89	3.42
4	50	4.56
5	32	5.70

Compass Box Recessed Small 1L

Light Source: LED QR-CBC 51 GX5.3





GWT 850°
20°
III
0,59 Kg
IP 20
CE
F

No Trim recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2650.30
03.2650.14

Luminaria empotrable No Trim para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

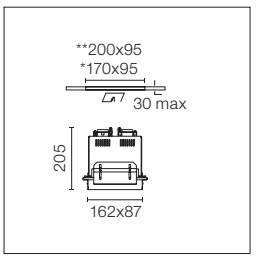
Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Compass Box Recessed Small 2L

Light Source: LED QR-CBC 51 GX5.3





GWT 850°
20°
III
0,90 Kg
IP 20
CE
F

No Trim recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2651.30
03.2651.14

Luminaria empotrable No Trim para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

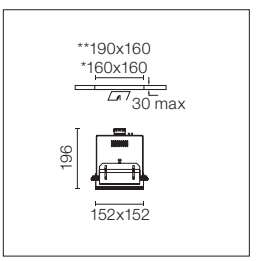
Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Compass Box Recessed Large 1L

Light Source: LED QR-111 G53





GWT 850°
20°
III
1,20 Kg
IP 20
CE
F

No Trim recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2520.30
03.2520.14

Luminaria empotrable No Trim para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

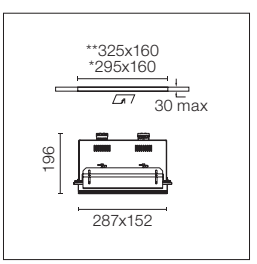
Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Compass Box Recessed Large 2L

Light Source: LED QR-111 G53





GWT 850°
20°
III
1,95 Kg
IP 20
CE
F

No Trim recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2521.30
03.2521.14

Luminaria empotrable No Trim para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Accessories / Accesorios

Compass Box Recessed No Trim Small

Pre-installation frame small single light.

Marco de pre-instalación de 1 luz pequeño.



08.8191.00

Pre-installation frame small 2 lights.

Marco de pre-instalación de 2 luces pequeño.



08.8192.00

Compass Box Recessed Small

Screening crosspiece
Cruceta de apantallamiento



08.8238.14

Honeycomb
Honeycomb



08.8196.14

Compass Box Recessed No Trim Large

Pre-installation frame large single light

Marco de pre-instalación de 1 luz grande.



08.8187.00

Pre-installation frame 2 large lights.

Marco de pre-instalación de 2 luces grande.



08.8188.00

Compass Box Recessed Large

Screening crosspiece
Cruceta de apantallamiento



08.8034.14

Honeycomb
Honeycomb



08.8036.14

BATTERY

DESIGNED BY F.A. PORSCHE

TRIM / NO TRIM SMALL
1L / 2L / 3L / 4L SQUARE



LIGHT SOURCE
LED ARRAY
16,5W
2290 lm
3000K/CRI 80

TRIM / NO TRIM SMALL
1L / 2L



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

TRIM / NO TRIM LARGE
1L / 2L



LIGHT SOURCE
LED
QR-111
G53

20 Matt White/RAL 9016
20 Blanco Mate

08 Mercury/RAL 9007
08 Mercurio

14 Matt Black/RAL 9005
14 Negro Mate

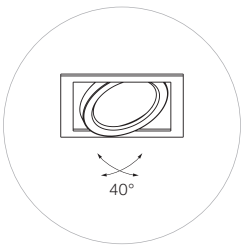
Battery Trim



Battery No Trim



Can be rotated 40° in any direction.
Puede ser rotado 40° en cualquier dirección.



Description
1, 2, 3 or 4 lamp adjustable- system, for recessed ceiling thicknesses of 1-30 mm. Suitable for use with LED lamps or very low voltage lamps.
Pressed steel and matt black, powder-coated recessed housing, extruded aluminum recessed trim frame for use with false ceiling systems. (Battery No Trim).
Steel “compass-type” adjustment mechanism, powder-coated matt black. Innovative steel bracket fixing system, painted black, with allen key locking mechanism. Die-cast aluminum knurled rings housed in a 3 mm steel frame.
Terminal block positioned on canopy housing box.
For LED retrofit versions: additional high-resistance PPS inner ring, for mounting lamp and anti-glare functions.

Reflectors
Super-pure, anodised-aluminum, silver reflectors with polished specular finish. Black thermoplastic protective ring for high luminance lamps.

Power Supply
Pre-wiring included; ready for remote power supply.
For LED retrofit versions:
- Electronic transformer 20/105W, 220/240V, 50/60Hz suitable for dimming when used with trailing edge dimmers.

Accessories
- Screening cylinder with cross baffle element incorporated, black powder-coated finish.
- Honeycomb.
- 4 mm tempered glass elliptical distribution lens.
- Chromatic filters.
- Frame needed for installation on false ceiling (Battery No Trim).

Additional Information
Compass-type adjustment system permits focusing from 0° to 40° in all directions.
IP20, IP23 protection grade depending on the versions.
Insulation class I, III depending on the versions.

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

Descripción
Sistema de 1, 2, 3 ó 4 luminarias orientables, para empotrar en falsos techos de 1 a 30 mm de espesor. Diseñado para lámparas LED o de muy baja tensión.
Cuerpo empotrable de acero inyectado y pintado con barniz en polvo de color negro opaco y marco para empotrar realizado de extrusión de aluminio con sistema de fijación al falso techo. (Battery No Trim).
Sistema de orientación tipo “compás” de acero inyectado y pintado con barniz en polvo de color negro opaco.
Sistema de fijación mediante soportes de acero pintado negro atornillados. Aros moleteados en aluminio inyectado a presión alojados en un marco de acero de 3 mm.
Regleta para las conexiones eléctricas situada por encima de la caja que aloja las lámparas.
Para las versiones LED retrofit: aro interior adicional de PPS de alta resistencia para la fijación de la lámpara y antideslumbramiento.

Reflectores
Reflector de aluminio con acabado anodizado de color plateado por el exterior y con revestimiento de aluminio superpuro en el interior. Aro de protección de material termoplástico negro para las lámparas de alta luminancia.

Unidades de Alimentación
Precableado incluido; listo para ser alimentado mediante dispositivos a distancia.
Para las versiones LED retrofit:
- Transformador electrónico 20/105W, 220/240V, 50/60Hz con regulación de intensidad mediante dispositivo “trailing edge”.

Accesorios
- Cilindro de protección con rejilla direccional incorporada, acabado pintado con barniz negro en polvo.
- Honeycomb.
- Lente de distribución elíptica de cristal templado de 4 mm.
- Filtros cromáticos.
- Marco necesario para la instalación en falso techo (Battery No Trim).

Información Adicional
Sistema de orientación tipo compás que permite la orientación hasta 40° en todas las direcciones.
Índice de protección IP20, IP23, según las versiones.
Clase de aislamiento I, III, según las versiones.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

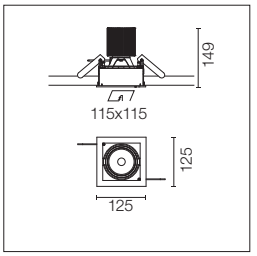
Trim

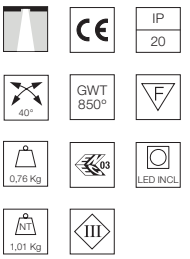
No Trim

Battery Trim Small 1L

Light Source: LED Array DC 500 mA - 16,5W - 2290 lm - 3000K/CRI 80





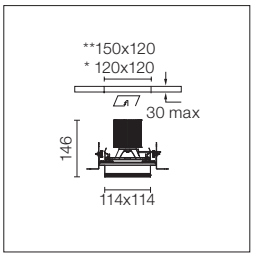


Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Battery No Trim Small 1L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

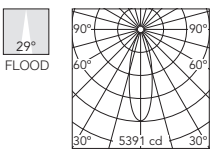
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

04.6470.20B
04.6470.08B
04.6470.14B

04.6470.14BNT

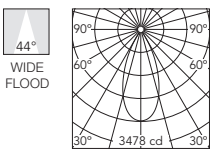


Luminous flux luminaire
1768 lm (EXTREME CUT OFF)

Beam Angle: 29°		
h(m)	E(lx)	D(m)
1	5391	0.52
2	1348	1.04
3	599	1.56
4	337	2.08
5	216	2.59

04.6471.20B
04.6471.08B
04.6471.14B

04.6471.14BNT



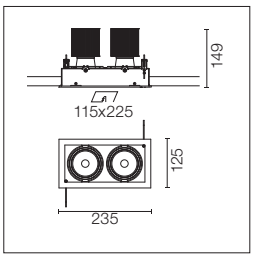
Luminous flux luminaire
1827 lm (EXTREME CUT OFF)

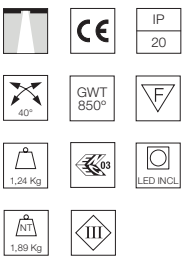
Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	3478	0.80
2	870	1.61
3	386	2.41
4	217	3.21
5	139	4.01

Battery Trim Small 2L

Light Source: LED Array DC 500 mA - 2x16,5W - 2x2290 lm - 3000K/CRI 80





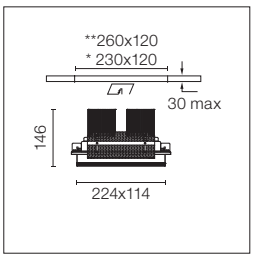


Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Battery No Trim Small 2L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

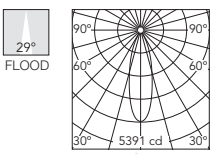
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

04.6475.20B
04.6475.08B
04.6475.14B

04.6475.14BNT

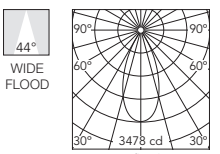


Luminous flux luminaire
1768 lm (EXTREME CUT OFF)

Beam Angle: 29°		
h(m)	E(lx)	D(m)
1	5391	0.52
2	1348	1.04
3	599	1.56
4	337	2.08
5	216	2.59

04.6476.20B
04.6476.08B
04.6476.14B

04.6476.14BNT



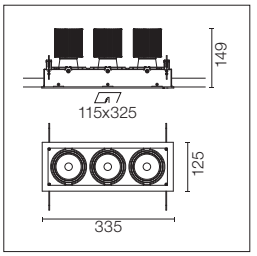
Luminous flux luminaire
1827 lm (EXTREME CUT OFF)

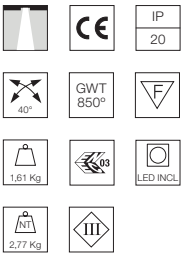
Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	3478	0.80
2	870	1.61
3	386	2.41
4	217	3.21
5	139	4.01

Battery Trim Small 3L

Light Source: LED Array DC 500 mA - 3x16,5W - 3x2290 lm - 3000K/CRI 80





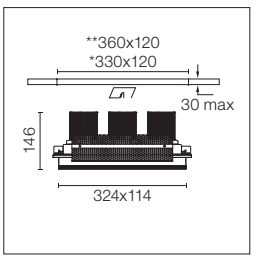


Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Battery No Trim Small 3L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

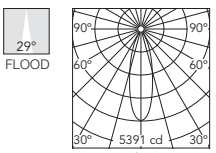
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

04.6480.20B
04.6480.08B
04.6480.14B

04.6480.14BNT

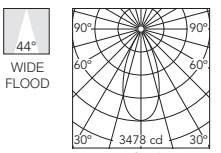


Luminous flux luminaire
1768 lm (EXTREME CUT OFF)

Beam Angle: 29°		
h(m)	E(lx)	D(m)
1	5391	0.52
2	1348	1.04
3	599	1.56
4	337	2.08
5	216	2.59

04.6481.20B
04.6481.08B
04.6481.14B

04.6481.14BNT



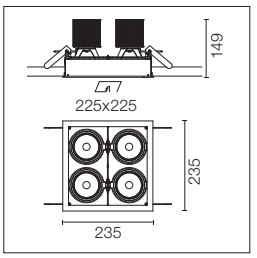
Luminous flux luminaire
1827 lm (EXTREME CUT OFF)

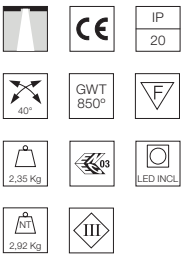
Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	3478	0.80
2	870	1.61
3	386	2.41
4	217	3.21
5	139	4.01

Battery Trim Small 4L Square

Light Source: LED Array DC 500 mA - 4x16,5W - 4x2290 lm - 3000K/CRI 80





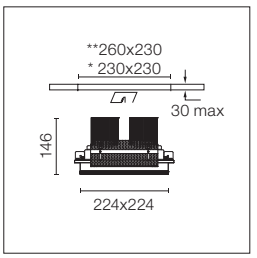


Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Battery No Trim Small 4L Square





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

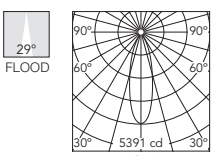
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

04.6485.20B
04.6485.08B
04.6485.14B

04.6485.14BNT

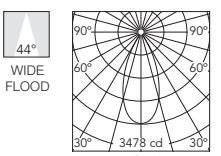


Luminous flux luminaire
1768 lm (EXTREME CUT OFF)

Beam Angle: 29°		
h(m)	E(lx)	D(m)
1	5391	0.52
2	1348	1.04
3	599	1.56
4	337	2.08
5	216	2.59

04.6486.20B
04.6486.08B
04.6486.14B

04.6486.14BNT



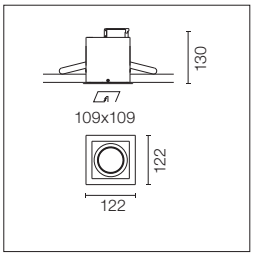
Luminous flux luminaire
1827 lm (EXTREME CUT OFF)

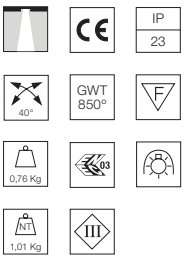
Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	3478	0.80
2	870	1.61
3	386	2.41
4	217	3.21
5	139	4.01

Battery Trim Small 1L

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

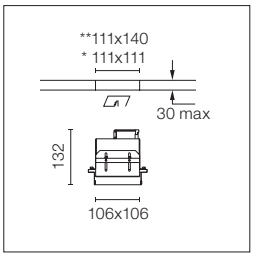
Additional inner plastic (PPS) ring for lamp approaching & low glare effect.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

Aro interior adicional de plástico (PPS) de alta resistencia.

Battery No Trim Small 1L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

- 04.6021.20
- 04.6021.08
- 04.6021.14

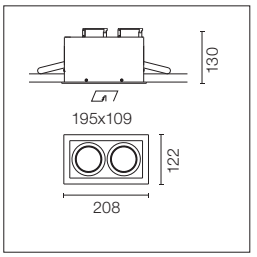
- 04.6021.20.NT
- 04.6021.08.NT
- 04.6021.14.NT

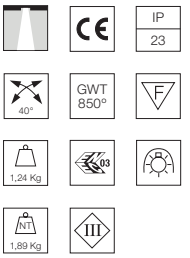
* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Battery Trim Small 2L

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

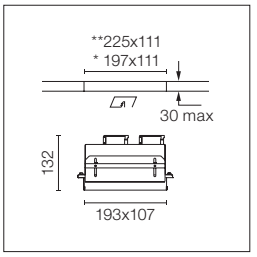
Additional inner plastic (PPS) ring for lamp approaching & low glare effect.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

Aro interior adicional de plástico (PPS) de alta resistencia.

Battery No Trim Small 2L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

- 04.6022.20
- 04.6022.08
- 04.6022.14

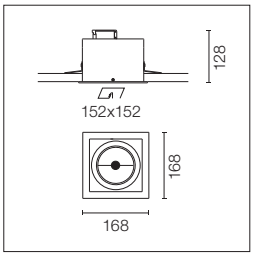
- 04.6022.20.NT
- 04.6022.08.NT
- 04.6022.14.NT

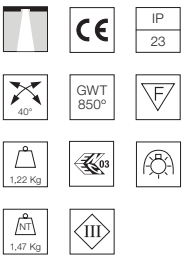
* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Battery Trim Large 1L

Light Source: LED QR-111 G53





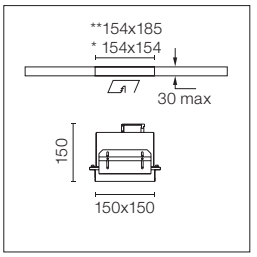


Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

Battery No Trim Large 1L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

- 04.6001.20
- 04.6001.08
- 04.6001.14

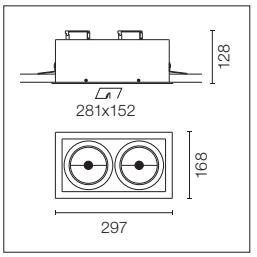
- 04.6001.20.NT
- 04.6001.08.NT
- 04.6001.14.NT

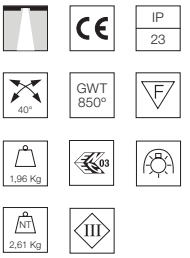
* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

Battery Trim Large 2L

Light Source: LED QR-111 G53





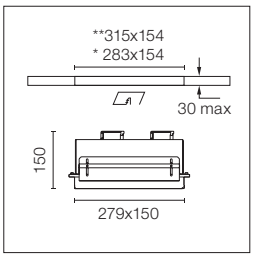


Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

Battery No Trim Large 2L





Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

- 04.6002.20
- 04.6002.08
- 04.6002.14

- 04.6002.20.NT
- 04.6002.08.NT
- 04.6002.14.NT

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

Accessories / Accesorios

Battery No Trim: LED Array

Pre-installation frame small single light.	Marco de pre-instalación de 1 luz pequeño.		08.8523.00
Pre-installation frame small 2 lights.	Marco de pre-instalación de 2 luces pequeño.		08.8524.00
Pre-installation frame small 3 lights.	Marco de pre-instalación de 3 luces pequeño.		08.8525.00
Pre-installation frame small 4 lights.	Marco de pre-instalación de 4 luces pequeño.		08.8526.00

Battery No Trim: QR-CBC 51

Pre-installation frame small single light.	Marco de pre-instalación de 1 luz pequeño.		08.8080.00
Pre-installation frame small 2 lights.	Marco de pre-instalación de 2 luces pequeño.		08.8081.00

Battery No Trim: QR-111

Pre-installation frame large single light.	Marco de pre-instalación de 1 luz grande.		08.8084.00
Pre-installation frame large 2 lights.	Marco de pre-instalación de 2 luces grande.		08.8085.00

Accessories / Accesorios

Battery Trim / No Trim: LED Array

Honeycomb Honeycomb		08.8495.14
Blue filter Filtro azul		08.8503.64.OD
Sky blue filter Filtro celeste		08.8503.65.OD
Amber filter Filtro ámbar		08.8503.66.OD
Red filter Filtro rojo		08.8503.67.OD
Hot light Hot light		08.8503.69
Cold light Cold light		08.8503.CL
Daylight Daylight		08.8503.DL
Neodimium Neodimium		08.8503.ND

Battery Trim / No Trim: QR-111

Elliptical lens Lente elíptica		08.8025.20 08.8025.08 08.8025.14
Screening cylinder Cilindro de apantallamiento		08.8030.20 08.8030.08 08.8030.14
Honeycomb Honeycomb		08.8029.20 08.8029.08 08.8029.14
Flood lens Lente flood		08.8180.20 08.8180.08 08.8180.14
Blue filter Filtro azul		08.8027.20.AO 08.8027.08.AO 08.8027.14.AO
Sky blue filter Filtro celeste		08.8027.20.AC 08.8027.08.AC 08.8027.14.AC
Amber filter Filtro ámbar		08.8027.20.AM 08.8027.08.AM 08.8027.14.AM
Red filter Filtro rojo		08.8027.20.RO 08.8027.08.RO 08.8027.14.RO
U.V. filter Filtro anti U.V.		08.8027.20.UV 08.8027.08.UV 08.8027.14.UV
I.R. filter Filtro anti I.R.		08.8027.20.IR 08.8027.08.IR 08.8027.14.IR
Hot light Hot light		08.8027.20.HL 08.8027.08.HL 08.8027.14.HL
Cold light Cold light		08.8027.20.CL 08.8027.08.CL 08.8027.14.CL
Daylight Daylight		08.8027.20.DL 08.8027.08.DL 08.8027.14.DL
Neodimium Neodimium		08.8027.20.ND 08.8027.08.ND 08.8027.14.ND

MICRO BATTERY

DESIGNED BY F.A. PORSCHE

OPAL



LIGHT SOURCE
LED ARRAY
9,2W
1060 lm
3000K/CRI 90

LIGHT SOURCE
LED
PAR 16
GZ10

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

FIXED



ADJUSTABLE



LIGHT SOURCE
LED ARRAY
9,2W
1060 lm
3000K/CRI 90

LIGHT SOURCE
LED
PAR 16
GZ10

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

☐ 20 Matt White/RAL 9016
20 Blanco Mate



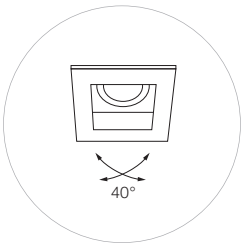
■ 08 Mercury/RAL 9007
08 Mercurio



■ 14 Matt Black/RAL 9005
14 Negro Mate



Adjustable versions can be swivelled 40° in any direction.
La versión basculante puede ser orientada 40° en cualquier dirección.



Description
Recessed indoor luminaire, adjustable or fixed. Suitable for use with LED lamps, very low voltage or direct mains power or metal halide lamps. Die-cast aluminum adjustable lamp-support with black powder-coated finish. Die-cast aluminum, black powder-coated closing ring. Stainless steel lamp fixing spring. Recessed steel body for reducing lamp visibility with black powder-coated finish. Painted aluminum outer frame. Fixing system for ceiling thicknesses 0-30 mm. with steel sprung brackets.

Reflectors
The luminaire is designed for reflector lamps only.

Power Supply
Next-generation electronic transformer not included.
20/105W, 220/240V, 50/60Hz electronic transformer suitable for dimming when used with trailing edge dimmers.

Accessories
Anti-glare cylinder. Cut-off 40°. Not compatible with LED versions.

Additional Information
Compass-type adjustment system permits focusing from 0° to 40° in all directions.
IP44 protection grade in non-accessible ceilings, for luminaires with glass cover; IP23 in non-accessible ceilings, for luminaires without glass cover.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Luminaria empotrable para ser instalada en interiores, en las versiones orientable o fija. Diseñada para lámparas LED, de muy baja tensión o directas a red. Cuerpo inclinable de soporte de la lámpara de aluminio inyectado a presión y acabado pintado negro con barniz en polvo. Anillo de cierre inyectado a presión acabado pintado negro con barniz en polvo. Muelle de fijación de la lámpara de acero inoxidable. Cuerpo para empotrar, de protección de la lámpara, de acero y acabado en pintura negra con barniz en polvo. Marco exterior de aluminio acabado en pintura. Sistema de fijación previsto para falsos techos de hasta 30mm de espesor con soportes de acero inoxidable provistos de tornillos de seguridad.

Reflectores
La luminaria ha sido diseñada únicamente para lámparas con reflector propio.

Unidades de Alimentación
Transformador electrónico de última generación, no incluido.
Transformador electrónico 20/105W, 220/240V, 50/60Hz con regulación de intensidad mediante dispositivo “trailing edge”.

Accesorios
Cilindro antideslumbramiento. Cut-off 40°. No compatible con versiones de LED.

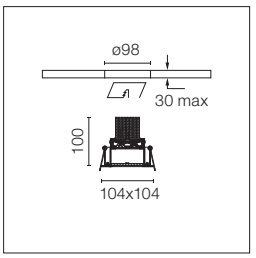
Información Adicional
Sistema de orientación tipo compás que permite la orientación hasta 40° en todas las direcciones.
Índice de protección: IP44 en techos no accesibles, para luminarias con cristal de protección; IP23 en techos no accesibles, para luminarias sin cristal de protección.
Clase de aislamiento II, III según las versiones.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Micro Battery Opal Glass

Light Source: LED Array DC 500 mA - 9,2W - 1060 lm - 3000K/CRI 90





LED INCL
0,40 Kg
III
IP 44
GWT 850°
F

Recessed luminaire with LED light source. Power supply not included.

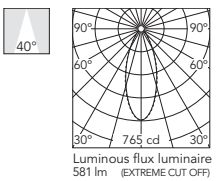
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 04.6330.20B
- 04.6330.08B
- 04.6330.14B



Beam Angle: 40°

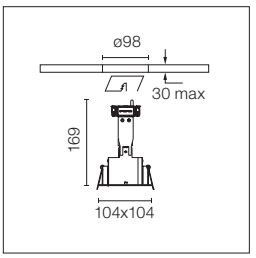
h(m)	E(lx)	D(m)
1	765	0.72
2	191	1.45
3	85	2.17
4	48	2.89
5	31	3.62

Luminous flux luminaire
581 lm (EXTREME CUT OFF)

Micro Battery Opal Glass

Light Source: LED PAR 16 GZ10





0,40 Kg
IP 44
GWT 850°
F

Recessed luminaire with main voltage source for LED Retrofit lamp.

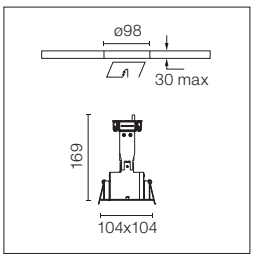
Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit.

- 04.6305.20
- 04.6305.08
- 04.6305.14

Micro Battery Opal Glass

Light Source: LED QR-CBC 51 GX5.3





0,37 Kg
III
IP 44
GWT 850°
F

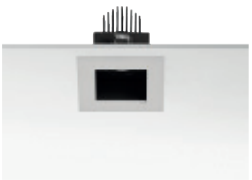
Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

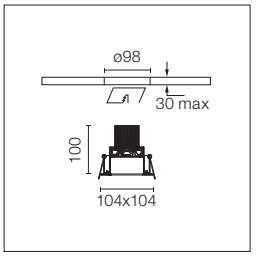
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

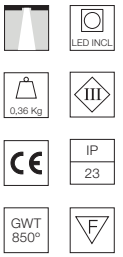
- 04.6300.20
- 04.6300.08
- 04.6300.14

Micro Battery Fixed

Light Source: LED Array DC 500 mA - 9,2W - 1060 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included.

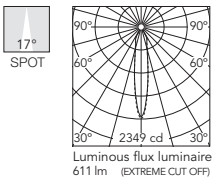
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 04.6333.20B
- 04.6333.08B
- 04.6333.14B

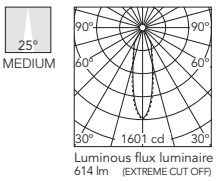


Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2349	0.31
2	587	0.61
3	261	0.92
4	147	1.23
5	94	1.54

Luminous flux luminaire
611 lm (EXTREME CUT OFF)

- 04.6334.20B
- 04.6334.08B
- 04.6334.14B

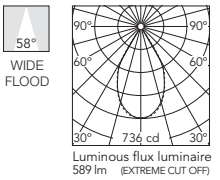


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1601	0.45
2	400	0.90
3	178	1.35
4	100	1.80
5	64	2.25

Luminous flux luminaire
614 lm (EXTREME CUT OFF)

- 04.6335.20B
- 04.6335.08B
- 04.6335.14B



Beam Angle: 58°

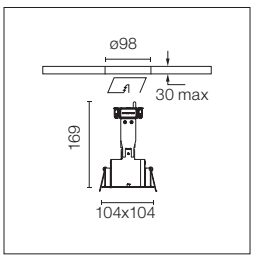
h(m)	E(lx)	D(m)
1	736	1.10
2	184	2.20
3	82	3.30
4	46	4.40
5	29	5.50

Luminous flux luminaire
589 lm (EXTREME CUT OFF)

Micro Battery Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source for LED Retrofit lamp.

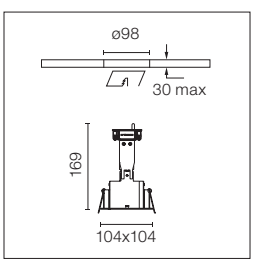
Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit.

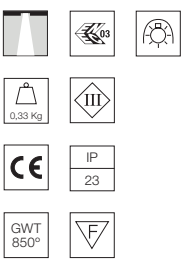
- 04.6306.20
- 04.6306.08
- 04.6306.14

Micro Battery Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

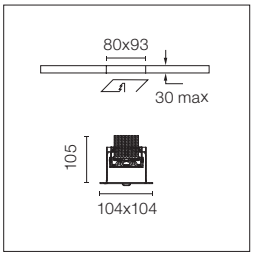
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

- 04.6301.20
- 04.6301.08
- 04.6301.14

Micro Battery Adjustable

Light Source: LED Array DC 500 mA - 9,2W - 1060 lm - 3000K/CRI 90





GWT 850°

40°

LED INCL

0,43 Kg

III

IP 23

Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

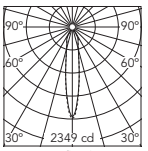
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

04.6336.20B
04.6336.08B
04.6336.14B

17° SPOT



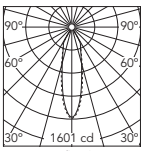
Luminous flux luminaire 611 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2349	0.31
2	587	0.61
3	261	0.92
4	147	1.23
5	94	1.54

04.6337.20B
04.6337.08B
04.6337.14B

25° MEDIUM



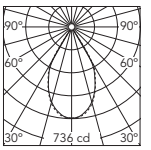
Luminous flux luminaire 614 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1601	0.45
2	400	0.90
3	178	1.35
4	100	1.80
5	64	2.25

04.6338.20B
04.6338.08B
04.6338.14B

58° WIDE FLOOD



Luminous flux luminaire 589 lm (EXTREME CUT OFF)

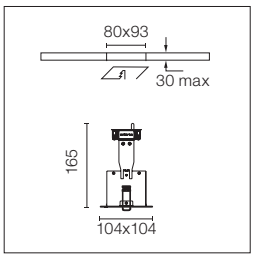
Beam Angle: 58°

h(m)	E(lx)	D(m)
1	736	1.10
2	184	2.20
3	82	3.30
4	46	4.40
5	29	5.50

Micro Battery Adjustable

Light Source: LED PAR 16 GZ10





GWT 850°

40°

0,43 Kg

IP 23

Recessed luminaire with main voltage source for LED Retrofit lamp.

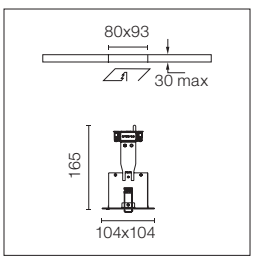
Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit.

04.6307.20
04.6307.08
04.6307.14

Micro Battery Adjustable

Light Source: LED QR-CBC 51 GX5.3





GWT 850°

40°

0,40 Kg

III

IP 23

Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido.

04.6302.20
04.6302.08
04.6302.14

Accessories / Accesorios

Anti-glare cylinder. Cut-off 40°. Not compatible with LED versions.

Cilindro antideslumbramiento. Cut-off 40°. No compatible con versiones de LED.



08.8270.14

SPOTLIGHTS

Camera, Find Me, UT Spot&Pro,
Solid Pure, Pure Spot, Wan Spot,
Fort Knox.

CAMERA

DESIGNED BY KNUD HOLSCHER

IN-TRACK

CAMERA 60



LIGHT SOURCE
LED ARRAY
Up to 20W
3000K/CRI 97
Up to 1260 lm
3500K/CRI 97
Up to 1355 lm

CAMERA 90



LIGHT SOURCE
LED ARRAY
Up to 32W
3000K/CRI 97
Up to 2585 lm
3500K/CRI 97
Up to 2715 lm

GA-69

CAMERA 60



LIGHT SOURCE
LED ARRAY
Up to 20W
3000K/CRI 97
Up to 1260 lm
3500K/CRI 97
Up to 1355 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 Textured White
WA Blanco Texturizado

■ DR Anthracite
DR Antracita





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 Potentiometer.
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.

Descripción
Luminaria de interior para ser instalada a carril trifásico, disponible con fuentes de luz de tecnología LED de alta potencia y en versión dimable y no dimable.
La familia está disponible en dos tamaños (60 y 90).
El cuerpo óptico de la luminaria es el resultado de una cuidadosa investigación óptica. Lente de doble foco desarrollada por FLOS específicamente para estos productos. Garantiza el máximo control óptico y una homogeneidad excepcional del haz de luz. Camera aprovecha los beneficios de una innovadora lente de silicona micro texturizada que permite un control extremo además de proporcionar una eficiencia absoluta, resistencia al calor y máxima calidad en la distribución de la luz. Incorpora un LED Array con un tratamiento de su proyección de luz innovador que permite ópticas muy estrechas y de iluminación general. Atenuador de "cut-off" completo integrado.
El kit óptico disponible incluye 5 aberturas de haz diferenciadas, cada una desarrollada para una aplicación especial. Tanto si se trata de haces intensivos o efectos de luz difusa, el control óptico siempre es excepcional y la luz espuria está totalmente ausente.

Unidades de Alimentación
Fuente de alimentación de corriente constante incluida disponible en versión no regulable o regulable vía Potenciometro incorporado, Dali y Casambi.
Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi.
Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Accesorios
- Honeycomb disponible.

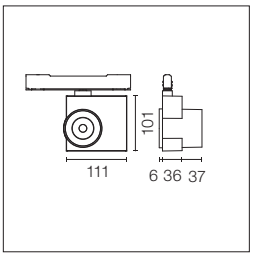
Cumplimiento de Normativa y Marcas de Calidad
EN60598-1 European Technical Standards and any subsequent additions.

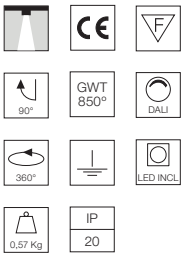
FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

Camera 60

Light Source: Super Spot: LED Array 13W - 750 lm - 3000K/CRI 97 / 13W - 780 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1260 lm - 3000K/CRI 97 / 20W - 1355 lm - 3500K/CRI 97







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
To be used with The Tracking Power profiles.

Proyector para ser instalado a carril trifásico con fuente de luz LED.
Fuente de alimentación 220-240V, 50-60Hz integrada.
Para ser instalado con los perfiles de Tracking Power.

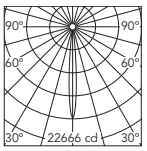
Optic Super Spot 3000K

Non Dimmable
- 09.8100.WA
- 09.8100.DR

Potentiometer
- 09.8100.WA.PC
- 09.8100.DR.PC

*Casambi integrated
- 09.8100.WA.CB
- 09.8100.DR.CB

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

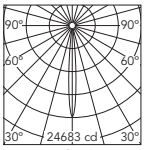
Optic Super Spot 3500K

Non Dimmable
- 09.8105.WA
- 09.8105.DR

Potentiometer
- 09.8105.WA.PC
- 09.8105.DR.PC

*Casambi integrated
- 09.8105.WA.CB
- 09.8105.DR.CB

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

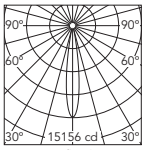
Optic Spot 3000K

Non Dimmable
- 09.8101.WA
- 09.8101.DR

Potentiometer
- 09.8101.WA.PC
- 09.8101.DR.PC

*Casambi integrated
- 09.8101.WA.CB
- 09.8101.DR.CB

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

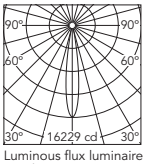
Optic Spot 3500K

Non Dimmable
- 09.8106.WA
- 09.8106.DR

Potentiometer
- 09.8106.WA.PC
- 09.8106.DR.PC

*Casambi integrated
- 09.8106.WA.CB
- 09.8106.DR.CB

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

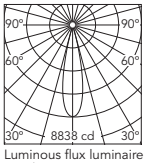
Optic Medium 3000K

Non Dimmable
- 09.8102.WA
- 09.8102.DR

Potentiometer
- 09.8102.WA.PC
- 09.8102.DR.PC

*Casambi integrated
- 09.8102.WA.CB
- 09.8102.DR.CB

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

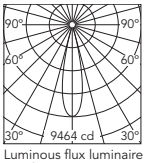
Optic Medium 3500K

Non Dimmable
- 09.8107.WA
- 09.8107.DR

Potentiometer
- 09.8107.WA.PC
- 09.8107.DR.PC

*Casambi integrated
- 09.8107.WA.CB
- 09.8107.DR.CB

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

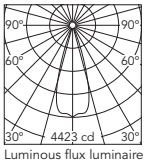
Optic Flood 3000K

Non Dimmable
- 09.8103.WA
- 09.8103.DR

Potentiometer
- 09.8103.WA.PC
- 09.8103.DR.PC

*Casambi integrated
- 09.8103.WA.CB
- 09.8103.DR.CB

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

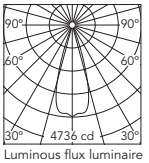
Optic Flood 3500K

Non Dimmable
- 09.8108.WA
- 09.8108.DR

Potentiometer
- 09.8108.WA.PC
- 09.8108.DR.PC

*Casambi integrated
- 09.8108.WA.CB
- 09.8108.DR.CB

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

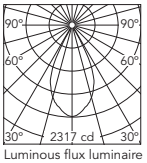
Optic Wide Flood 3000K

Non Dimmable
- 09.8104.WA
- 09.8104.DR

Potentiometer
- 09.8104.WA.PC
- 09.8104.DR.PC

*Casambi integrated
- 09.8104.WA.CB
- 09.8104.DR.CB

50° WIDE FLOOD



Luminous flux luminaire 1280 lm

Beam Angle: 50°		
h(m)	E(lx)	D(m)
1	2317	0.94
2	579	1.89
3	257	2.83
4	145	3.77
5	93	4.72

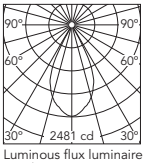
Optic Wide Flood 3500K

Non Dimmable
- 09.8109.WA
- 09.8109.DR

Potentiometer
- 09.8109.WA.PC
- 09.8109.DR.PC

*Casambi integrated
- 09.8109.WA.CB
- 09.8109.DR.CB

50° WIDE FLOOD



Luminous flux luminaire 1371 lm

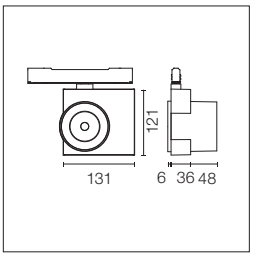
Beam Angle: 50°		
h(m)	E(lx)	D(m)
1	2481	0.94
2	620	1.89
3	276	2.83
4	155	3.77
5	99	4.72

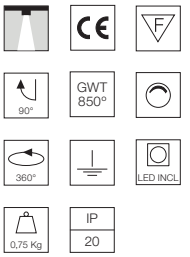
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Camera 90

Light Source: 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







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
To be used with The Tracking Power profiles.

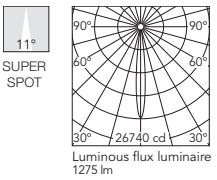
Proyector para ser instalado a carril trifásico con fuente de luz LED.
Fuente de alimentación 220-240V, 50-60Hz integrada.
Para ser instalado con los perfiles de Tracking Power.

Optic Super Spot 3000K

Non Dimmable
- 09.8200.WA
- 09.8200.DR

Potentiometer
- 09.8200.WA.PC
- 09.8200.DR.PC

*Casambi integrated
- 09.8200.WA.CB
- 09.8200.DR.CB



Luminous flux luminaire 1275 lm

Beam Angle: 11°

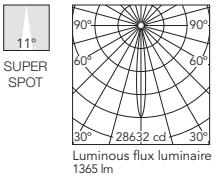
h(m)	E(lx)	D(m)
1	26740	0.20
2	6685	0.39
3	2971	0.59
4	1671	0.78
5	1070	0.98

Optic Super Spot 3500K

Non Dimmable
- 09.8205.WA
- 09.8205.DR

Potentiometer
- 09.8205.WA.PC
- 09.8205.DR.PC

*Casambi integrated
- 09.8205.WA.CB
- 09.8205.DR.CB



Luminous flux luminaire 1365 lm

Beam Angle: 11°

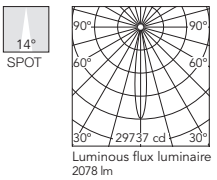
h(m)	E(lx)	D(m)
1	28632	0.20
2	7158	0.39
3	3181	0.59
4	1789	0.78
5	1145	0.98

Optic Spot 3000K

Non Dimmable
- 09.8201.WA
- 09.8201.DR

Potentiometer
- 09.8201.WA.PC
- 09.8201.DR.PC

*Casambi integrated
- 09.8201.WA.CB
- 09.8201.DR.CB



Luminous flux luminaire 2078 lm

Beam Angle: 14°

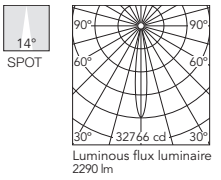
h(m)	E(lx)	D(m)
1	29737	0.25
2	7434	0.49
3	3304	0.74
4	1859	0.99
5	1189	1.24

Optic Spot 3500K

Non Dimmable
- 09.8206.WA
- 09.8206.DR

Potentiometer
- 09.8206.WA.PC
- 09.8206.DR.PC

*Casambi integrated
- 09.8206.WA.CB
- 09.8206.DR.CB



Luminous flux luminaire 2290 lm

Beam Angle: 14°

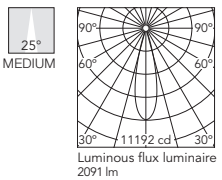
h(m)	E(lx)	D(m)
1	32766	0.25
2	8192	0.49
3	3641	0.74
4	2048	0.99
5	1311	1.24

Optic Medium 3000K

Non Dimmable
- 09.8202.WA
- 09.8202.DR

Potentiometer
- 09.8202.WA.PC
- 09.8202.DR.PC

*Casambi integrated
- 09.8202.WA.CB
- 09.8202.DR.CB



Luminous flux luminaire 2091 lm

Beam Angle: 25°

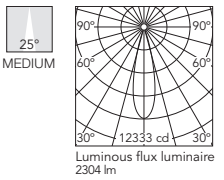
h(m)	E(lx)	D(m)
1	11192	0.45
2	2798	0.90
3	1244	1.35
4	700	1.80
5	448	2.25

Optic Medium 3500K

Non Dimmable
- 09.8207.WA
- 09.8207.DR

Potentiometer
- 09.8207.WA.PC
- 09.8207.DR.PC

*Casambi integrated
- 09.8207.WA.CB
- 09.8207.DR.CB



Luminous flux luminaire 2304 lm

Beam Angle: 25°

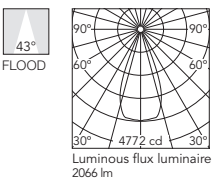
h(m)	E(lx)	D(m)
1	12333	0.45
2	3083	0.90
3	1370	1.35
4	771	1.80
5	493	2.25

Optic Flood 3000K

Non Dimmable
- 09.8203.WA
- 09.8203.DR

Potentiometer
- 09.8203.WA.PC
- 09.8203.DR.PC

*Casambi integrated
- 09.8203.WA.CB
- 09.8203.DR.CB



Luminous flux luminaire 2066 lm

Beam Angle: 43°

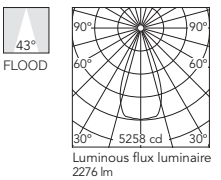
h(m)	E(lx)	D(m)
1	4772	0.78
2	1193	1.56
3	530	2.34
4	298	3.12
5	191	3.90

Optic Flood 3500K

Non Dimmable
- 09.8208.WA
- 09.8208.DR

Potentiometer
- 09.8208.WA.PC
- 09.8208.DR.PC

*Casambi integrated
- 09.8208.WA.CB
- 09.8208.DR.CB



Luminous flux luminaire 2276 lm

Beam Angle: 43°

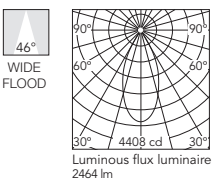
h(m)	E(lx)	D(m)
1	5258	0.78
2	1315	1.56
3	584	2.34
4	329	3.12
5	210	3.90

Optic Wide Flood 3000K

Non Dimmable
- 09.8204.WA
- 09.8204.DR

Potentiometer
- 09.8204.WA.PC
- 09.8204.DR.PC

*Casambi integrated
- 09.8204.WA.CB
- 09.8204.DR.CB



Luminous flux luminaire 2464 lm

Beam Angle: 46°

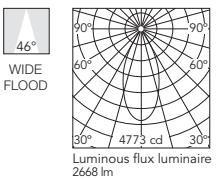
h(m)	E(lx)	D(m)
1	4408	0.84
2	1101	1.68
3	490	2.52
4	276	3.36
5	177	4.19

Optic Wide Flood 3500K

Non Dimmable
- 09.8209.WA
- 09.8209.DR

Potentiometer
- 09.8209.WA.PC
- 09.8209.DR.PC

*Casambi integrated
- 09.8209.WA.CB
- 09.8209.DR.CB



Luminous flux luminaire 2668 lm

Beam Angle: 46°

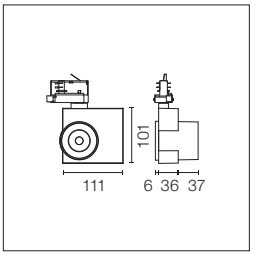
h(m)	E(lx)	D(m)
1	4773	0.84
2	1193	1.68
3	531	2.52
4	299	3.36
5	192	4.19

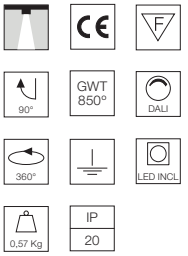
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Camera 60 GA-69 (Dali GAC-600)

Light Source: Super Spot: LED Array 13W - 750 lm - 3000K/CRI 97 / 12W - 780 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1260 lm - 3000K/CRI 97 / 20W - 1355 lm - 3500K/CRI 97







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).

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Para la versión DALI necesita carriles dimmables (ver capítulo “Tracks”).

Optic Super Spot 3000K

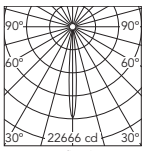
Non Dimmable
- 09.8110.WA
- 09.8110.DR

Dali Version
- 09.8110.WA.DA
- 09.8110.DR.DA

Potentiometer
- 09.8110.WA.PC
- 09.8110.DR.PC

*Casambi integrated
- 09.8110.WA.CB
- 09.8110.DR.CB





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

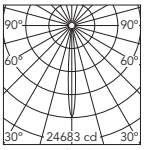
Non Dimmable
- 09.8115.WA
- 09.8115.DR

Dali Version
- 09.8115.WA.DA
- 09.8115.DR.DA

Potentiometer
- 09.8115.WA.PC
- 09.8115.DR.PC

*Casambi integrated
- 09.8115.WA.CB
- 09.8115.DR.CB





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

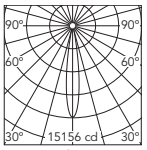
Non Dimmable
- 09.8111.WA
- 09.8111.DR

Dali Version
- 09.8111.WA.DA
- 09.8111.DR.DA

Potentiometer
- 09.8111.WA.PC
- 09.8111.DR.PC

*Casambi integrated
- 09.8111.WA.CB
- 09.8111.DR.CB





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

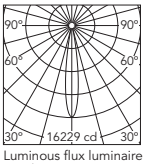
Non Dimmable
- 09.8116.WA
- 09.8116.DR

Dali Version
- 09.8116.WA.DA
- 09.8116.DR.DA

Potentiometer
- 09.8116.WA.PC
- 09.8116.DR.PC

*Casambi integrated
- 09.8116.WA.CB
- 09.8116.DR.CB





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

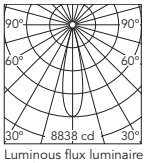
Non Dimmable
- 09.8112.WA
- 09.8112.DR

Dali Version
- 09.8112.WA.DA
- 09.8112.DR.DA

Potentiometer
- 09.8112.WA.PC
- 09.8112.DR.PC

*Casambi integrated
- 09.8112.WA.CB
- 09.8112.DR.CB





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

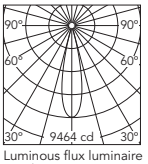
Non Dimmable
- 09.8117.WA
- 09.8117.DR

Dali Version
- 09.8117.WA.DA
- 09.8117.DR.DA

Potentiometer
- 09.8117.WA.PC
- 09.8117.DR.PC

*Casambi integrated
- 09.8117.WA.CB
- 09.8117.DR.CB





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

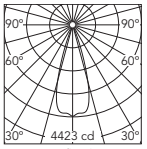
Non Dimmable
- 09.8113.WA
- 09.8113.DR

Dali Version
- 09.8113.WA.DA
- 09.8113.DR.DA

Potentiometer
- 09.8113.WA.PC
- 09.8113.DR.PC

*Casambi integrated
- 09.8113.WA.CB
- 09.8113.DR.CB





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

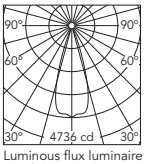
Non Dimmable
- 09.8118.WA
- 09.8118.DR

Dali Version
- 09.8118.WA.DA
- 09.8118.DR.DA

Potentiometer
- 09.8118.WA.PC
- 09.8118.DR.PC

*Casambi integrated
- 09.8118.WA.CB
- 09.8118.DR.CB





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

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Optic Wide Flood
3000K

Non Dimmable
09.8114.WA
09.8114.DR

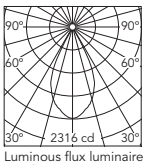
Dali Version
09.8114.WA.DA
09.8114.DR.DA

Potentiometer
09.8114.WA.PC
09.8114.DR.PC

*Casambi integrated
09.8114.WA.CB
09.8114.DR.CB



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

Non Dimmable
09.8119.WA
09.8119.DR

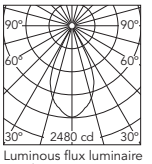
Dali Version
09.8119.WA.DA
09.8119.DR.DA

Potentiometer
09.8119.WA.PC
09.8119.DR.PC

*Casambi integrated
09.8119.WA.CB
09.8119.DR.CB



WIDE
FLOOD



Luminous flux luminaire
1371 lm

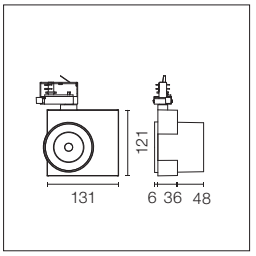
Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2480	0.94
2	620	1.89
3	276	2.83
4	155	3.77
5	99	4.72

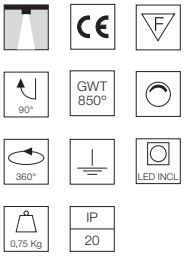
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Camera 90 GA-69 (Dali GAC-600)

Light Source: 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







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).

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Para la versión DALI necesita carriles dimmables (ver capítulo “Tracks”).

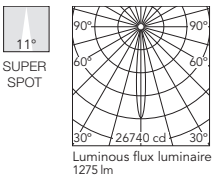
Optic Super Spot 3000K

Non Dimmable
- 09.8210.WA
- 09.8210.DR

Dali Version
- 09.8210.WA.DA
- 09.8210.DR.DA

Potentiometer
- 09.8210.WA.PC
- 09.8210.DR.PC

*Casambi integrated
- 09.8210.WA.CB
- 09.8210.DR.CB



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

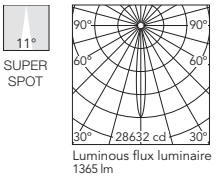
Optic Super Spot 3500K

Non Dimmable
- 09.8215.WA
- 09.8215.DR

Dali Version
- 09.8215.WA.DA
- 09.8215.DR.DA

Potentiometer
- 09.8215.WA.PC
- 09.8215.DR.PC

*Casambi integrated
- 09.8215.WA.CB
- 09.8215.DR.CB



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

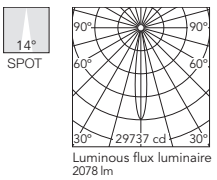
Optic Spot 3000K

Non Dimmable
- 09.8211.WA
- 09.8211.DR

Dali Version
- 09.8211.WA.DA
- 09.8211.DR.DA

Potentiometer
- 09.8211.WA.PC
- 09.8211.DR.PC

*Casambi integrated
- 09.8211.WA.CB
- 09.8211.DR.CB



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

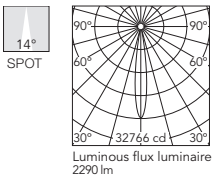
Optic Spot 3500K

Non Dimmable
- 09.8216.WA
- 09.8216.DR

Dali Version
- 09.8216.WA.DA
- 09.8216.DR.DA

Potentiometer
- 09.8216.WA.PC
- 09.8216.DR.PC

*Casambi integrated
- 09.8216.WA.CB
- 09.8216.DR.CB



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

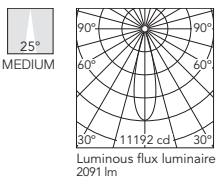
Optic Medium 3000K

Non Dimmable
- 09.8212.WA
- 09.8212.DR

Dali Version
- 09.8212.WA.DA
- 09.8212.DR.DA

Potentiometer
- 09.8212.WA.PC
- 09.8212.DR.PC

*Casambi integrated
- 09.8212.WA.CB
- 09.8212.DR.CB



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

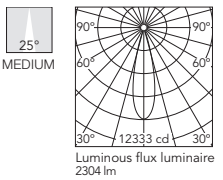
Optic Medium 3500K

Non Dimmable
- 09.8217.WA
- 09.8217.DR

Dali Version
- 09.8217.WA.DA
- 09.8217.DR.DA

Potentiometer
- 09.8217.WA.PC
- 09.8217.DR.PC

*Casambi integrated
- 09.8217.WA.CB
- 09.8217.DR.CB



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

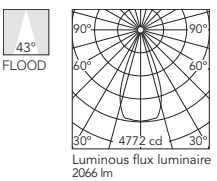
Optic Flood 3000K

Non Dimmable
- 09.8213.WA
- 09.8213.DR

Dali Version
- 09.8213.WA.DA
- 09.8213.DR.DA

Potentiometer
- 09.8213.WA.PC
- 09.8213.DR.PC

*Casambi integrated
- 09.8213.WA.CB
- 09.8213.DR.CB



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

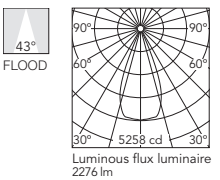
Optic Flood 3500K

Non Dimmable
- 09.8218.WA
- 09.8218.DR

Dali Version
- 09.8218.WA.DA
- 09.8218.DR.DA

Potentiometer
- 09.8218.WA.PC
- 09.8218.DR.PC

*Casambi integrated
- 09.8218.WA.CB
- 09.8218.DR.CB



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

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Optic Wide Flood
3000K

Non Dimmable
09.8214.WA
09.8214.DR

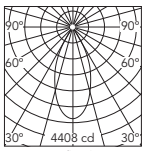
Dali Version
09.8214.WA.DA
09.8214.DR.DA

Potentiometer
09.8214.WA.PC
09.8214.DR.PC

*Casambi integrated
09.8214.WA.CB
09.8214.DR.CB



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

Non Dimmable
09.8219.WA
09.8219.DR

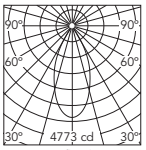
Dali Version
09.8219.WA.DA
09.8219.DR.DA

Potentiometer
09.8219.WA.PC
09.8219.DR.PC

*Casambi integrated
09.8219.WA.CB
09.8219.DR.CB



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

Accessories / Accesorios

Camera 60

Honeycomb
Honeycomb



Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

Camera 90

Honeycomb
Honeycomb



Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

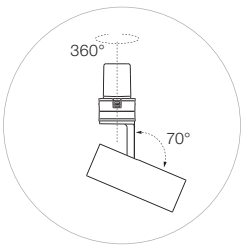
FIND ME

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
			
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

	30 White 30 Blanco	06 Chrome 06 Cromo	14 Black 14 Negro
Mono Point			
Suspension			
Screening Cylinder Colours (included) Colores del Cilindro Apantallador (incluidos)	Orange Naranja	Violet Violeta	Black Negro
			

Can be rotated 360° and swivelled 70°.
Puede ser rotado 360° y orientado 70°.



reddot design award
winner 2013

Description
Spotlight family for indoor use, easy to mount on plasterboard ceilings, comprised of one or two LED lighting modules.
The luminaire is available in following versions: Mono Point, Double Point and Suspension.
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, when it will work like a downlight, or in its lower position, becoming an adjustable spotlight.
The Mono Point version is supplied with a frame, which should be fitted to the product if a Trim version is required, or without, if a No Trim version is required.
The Double Point version is supplied with an injected thermoplastic material frame, which houses two lighting modules. Like the Mono Point version, the modules are directional and the frame enables the product to be concealed, leaving just the end visible.
The Suspesion version is a variant of the Mono Point version. Its main characteristic is its suspended mounting.

Reflectors
The luminaire is designed for accent lighting.

Power Supply
The fitting is supplied prewired ready to be connected to a remote power supply (not included) installed in an accessible place or to be passed through the ceiling cut-out:
Find Me 0: 50 mm.
Find Me 1: 62 mm.
Find Me 2: 70 mm.

Accessories
The Suspension version has interchangeable screening cylinders in 3 colours: orange, violet or black, incorporated into the light fixture.
For the Find Me 1 and 2: professional accessories included.

Additional Information
Adjustable system that allows a 360° rotation on vertical and 70° on horizontal edge.
IP20 protection grade.
Insulation class III.

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

Descripción
Familia de proyectores de interiores con una fácil instalación en techos de cartón yeso, formada por uno o dos módulos de iluminación LED.
La luminaria está disponible en las versiones: Mono Point, Double Point y Suspension.
La versión Mono Point se suministra con un marco cilíndrico empotrable sobre el que se instala el módulo de iluminación. Dicho módulo de iluminación puede colocarse en su posición superior, funcionando como un donwlight, o en su posición inferior, convirtiéndose en un proyector orientable.
La versión Mono Point se suministra con un marco, aplicable al producto en caso de desear versión Trim, o no instalable en caso de desear versión No Trim.
La versión Double Point consiste en un marco de material termoplástico inyectado en la que se instalan dos módulos de iluminación. Al igual que en el modelo Mono Point, los módulos son orientables.
La versión Suspension es una variante de la versión Mono Point. Su principal característica es su instalación mediante suspensión.

Reflectores
La luminaria se suministra en óptica accent lighting.

Unidades de Alimentación
El producto se suministra precableado para ser conectado a una fuente de alimentación remota (no incluida) instalada en un lugar accesible o que pase a través del agujero de empotramiento:
Find Me 0: 50 mm.
Find Me 1: 62 mm.
Find Me 2: 70 mm.

Accesorios
La versión Suspension dispone de cilindro apantallador en 3 colores: naranja, violeta o negro, intercambiables entre sí, incluidos dentro de la luminaria.
Para el Find Me 1 y 2: accesorios profesionales incluidos.

Información Adicional
Sistema de orientación que permite la rotación 360° en el eje vertical y 70° en el eje horizontal.
Índice de protección IP20.
Clase de aislamiento III.

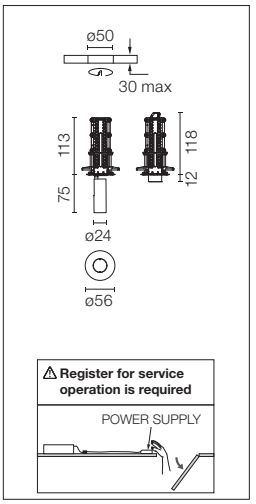
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

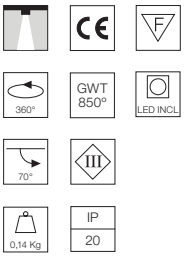
Suspension Surface
Suspension Recessed
Mono Point No Trim
Mono Point Trim

Find Me 0 (Trim / No Trim)

Light Source: Power LED DC 250 mA - 3,5W - 300 lm - 2700K/CRI 90 / 3,5W - 325 lm - 3000K/CRI 90







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.

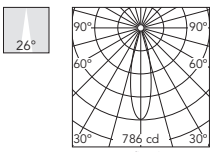
Luminaria empotrada de interiores orientable. Fuente de alimentación remota 250 mA no incluida. Accesorios incluidos (honeycomb y cruceta de apantallamiento). Fuente de alimentación remota para ser instalada en un lugar accesible. No se recomienda utilizar drivers regulables de diferentes marcas por tener curvas de regulación particulares.

Recommended power supply and number of luminaires per driver (L)* / Equipos recomendados y número de luminarias por 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 2 110-240V	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

Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3781.30A
09.3781.06A
09.3781.14A

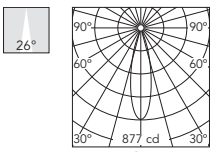


Luminous flux luminaire
170 lm (EXTREME CUT OFF)

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
09.3780.06A
09.3780.14A



Luminous flux luminaire
189 lm (EXTREME CUT OFF)

Beam Angle: 26°

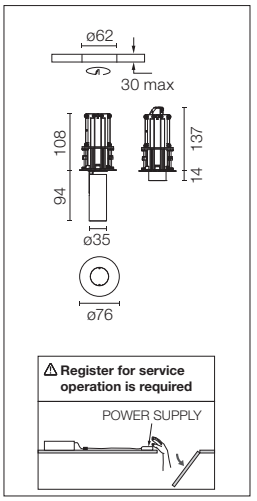
h(m)	E(lx)	D(m)
1	877	0.45
2	219	0.91
3	97	1.36
4	55	1.82
5	35	2.27

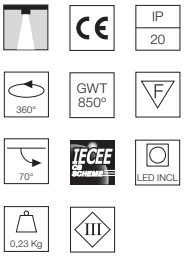
Find Me 1 (Trim / No Trim)

Light Source: Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90









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.

Luminaria empotrada de interiores orientable. Fuente de alimentación remota 500 mA no incluida. Accesorios incluidos (honeycomb y cruceta de apantallamiento). Fuente de alimentación remota para ser instalada en un lugar accesible.

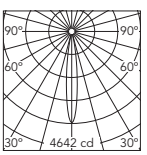
Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Non Dimmable 110-240V	60.8880
Dimmable Dali 1 110-240V	60.8847
Dimmable Dali 2 110-240V	60.9222
Mains Dimming 220-240V	60.9411
Dimmable 0/1-10V&Push 110/240V	60.9188
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3751.30A
09.3751.06A
09.3751.14A





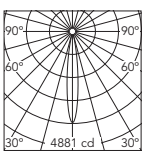
Luminous flux luminaire
344 lm (EXTREME CUT OFF)

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
09.3750.06A
09.3750.14A





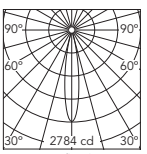
Luminous flux luminaire
365 lm (EXTREME CUT OFF)

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
09.3756.06A
09.3756.14A





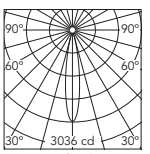
Luminous flux luminaire
321 lm (EXTREME CUT OFF)

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
09.3755.06A
09.3755.14A





Luminous flux luminaire
350 lm (EXTREME CUT OFF)

Beam Angle: 18°

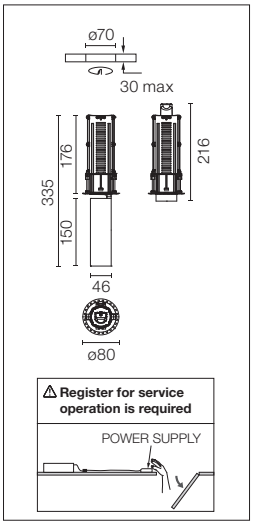
h(m)	E(lx)	D(m)
1	3036	0.31
2	759	0.62
3	337	0.93
4	190	1.23
5	121	1.54

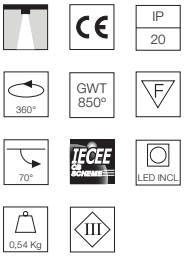
Find Me 2 (Trim / No Trim)

Light Source: Power LED DC max 850 mA - 10W - 860 Lm - 2700K/CRI 90 / 10W - 900 lm - 3000K/CRI 90









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.

Luminaria empotrada de interiores orientable. Fuente de alimentación remota no incluida.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).
Fuente de alimentación remota para ser instalada en un lugar accesible.

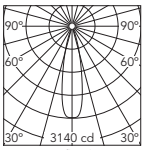
Recommended power supply / Equipos recomendados*:

Non Dimmable MC 110-240V	60.8911
Non Dimmable MC 220-240V	60.9162
Non Dimmable 700mA 110-240V	60.8529
Dimmable Dali 1 220-240V	60.9186
Mains Dimming	60.9467
Dim 1-10V/Dim Dali/Push MC 110-240V	60.8530
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3707.30
09.3707.06
09.3707.14





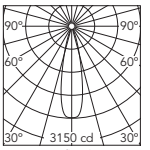
Luminous flux luminaire
632 lm (EXTREME CUT OFF)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	3140	0.42
2	785	0.84
3	349	1.26
4	196	1.68
5	126	2.10

3000K
09.3708.30A
09.3708.06A
09.3708.14A





Luminous flux luminaire
674 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	3150	0.44
2	788	0.88
3	350	1.32
4	197	1.76
5	126	2.20

	2700K		3000K	
Driver current (mA)	**Luminous flux (lm)**	**Power (W)**	**Luminous flux (lm)**	**Power (W)**
850	860	10	900	10
800	820	9	860	9
750	770	9	810	9
700	730	8	770	8

Find Me 1 Suspension

Light Source: Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90







Suspended ceiling-mounted luminaire. The product includes interchangeable shield cylinder in different colours (orange, violet and black). Remote power supply 500 mA not included.

Luminaria para ser instalada a techo mediante suspensión. El producto incluye cilindro apantallador intercambiable de distintos colores (naranja, violeta y negro). Fuente de alimentación remota 500 mA no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.8654
Casambi	60.9207**

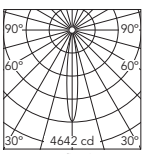
* Refer to the Drivers chapter / Ver capítulo Drivers

** It is necessary to anticipate a space for accessing the driver / Necesario acceso al driver por registro.

2700K

- 09.3711.30C
- 09.3711.06C
- 09.3711.14C





Luminous flux luminaire
344 lm (EXTREME CUT OFF)

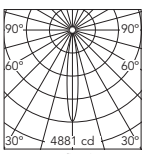
Beam Angle: 14°

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
- 09.3710.06C
- 09.3710.14C



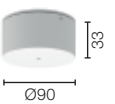


Luminous flux luminaire
365 lm (EXTREME CUT OFF)

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

Accessories / Accesorios

Recessed power supply rose.	Rosetón de alimentación empotrado.		08.8782.30
Surface power supply rose. Non dimmable power supply included.	Rosetón de alimentación de superficie. Fuente de alimentación no dimable incluida.		08.8783.30 08.8783.06 08.8783.14

UT SPOT CEILING Ø57



LIGHT SOURCE
LED ARRAY
23,5W
2400 lm
3000K/CRI 80
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
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

LIGHT SOURCE
PHOSPHOR
LED
31W/34W
3000 lm
3000K/CRI 98
29W
3000 lm
4000K/CRI 80

UT SPOT TRACK Ø57



LIGHT SOURCE
LED ARRAY
23,5W
2500 lm
3000K/CRI 80
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
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

LIGHT SOURCE
PHOSPHOR
LED
27W
3000 lm
3000K/CRI 98
23W
3000 lm
4000K/CRI 80

UT SPOT TRACK WALL-WASHER Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
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
2000 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT TRACK Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3770 lm
3000K/CRI 80
3116 lm
3000K/CRI 90
3246 lm
4000K/CRI 90

LIGHT SOURCE
PHOSPHOR
LED
31W/34W
2650 lm
3000K/CRI 98
29W
3000 lm
4000K/CRI 80

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
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 23,5W 2300 lm 3000K/CRI 80 1950 lm 3000K/CRI 90 2009 lm 4000K/CRI 90	**LIGHT SOURCE** LED ARRAY 35,3W 4145 lm 3000K/CRI 80 3425 lm 3000K/CRI 90 3569 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 White
30 Blanco

■ 14 Black
14 Negro





☐ 30 White
30 Blanco

■ 14 Black
14 Negro

☐ 30.78 All White
30.78 All White













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-DALI versions.
The family is available in two sizes (Ø57 / Ø86) and in four different versions: Track (totally flexible installation), Ceiling (stand-alone installation), Multichip (beam angles less than 150°) and 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 built-in potentiometer in the track with box version. Versions with a built-in adapter do not include a potentiometer.

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):
Thanks to remote-phosphor technology, the LED modules of the Phosphor LED versions offer maximum quality light, the perception of objects and spaces, reaching chromatic reproduction indices of 98, depending on the version.
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.

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

Descripción
Luminaria de interior para ser instalada a carril trifásico o sobre techos, disponible con fuentes de luz de tecnología LED de alta potencia y en versión Dali y No Dali.
La familia está disponible en dos tamaños (Ø57 y Ø86) y en cuatro versiones diferentes: Track (flexibilidad de instalación total), Ceiling (instalación independiente), Multichip (ángulos de apertura inferiores a 150°) y Wall-Washer (solo versión Ø86).
El cuerpo óptico de la luminaria está fabricado en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.
Las luminarias a techo incluyen equipo de alimentación remoto.
También disponible UT Downlight (ver la sección Downlights del catálogo).

Unidades de Alimentación
Fuente de alimentación de corriente constante no regulable o regulable Dali 220-240V incluida.
Con potenciómetro incorporado en la versión track con caja. Las versiones con adaptador integrado no disponen de potenciómetro.

Accesorios
- Disponibles cruceta de apantallamiento, lente elíptica, lente flood y honeycomb.
- Aro soporte (UT Spot ø86).

Información Adicional
Instalable sobre superficies normalmente inflamables.
Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium. Compatibilidad con Eutrac bajo pedido. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.
Las luminarias de FLOS a carril trifásico DALI están diseñadas para el protocolo Pulse DALI de Nordic Aluminium.
- UT Spot ø86 (Track / Ceiling):
Gracias a la remote-phosphor technology, los módulos LED que montan las versiones Phosphor LED ofrecen la máxima calidad de luz posible, percepción de los objetos y espacios, alcanzando índices de reproducción cromática de 98, dependiendo de las versiones.
Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo una aumento del 20% del flujo luminoso.

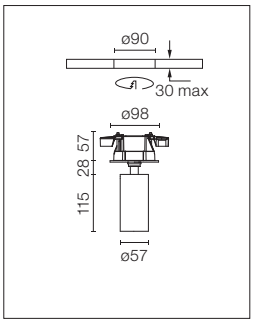
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

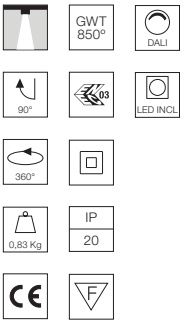
UT Spot Ceiling
UT Spot Track

Ut Spot Ceiling Ø57

Light Source: LED Array 23,5W - 2400 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90







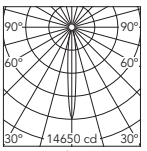
Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

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

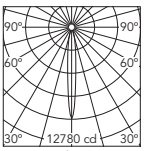
Beam Angle: 10°

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
- 09.4470.30A
- 09.4470.14A

Dali Version
- 09.4470.30ADA
- 09.4470.14ADA

10° SPOT



Luminous flux luminaire 1094 lm

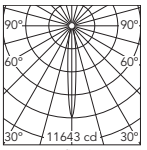
Beam Angle: 10°

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
- 09.4463.30A
- 09.4463.14A

Dali Version
- 09.4463.30ADA
- 09.4463.14ADA

10° SPOT



Luminous flux luminaire 997 lm

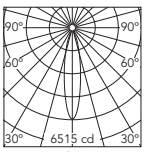
Beam Angle: 10°

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

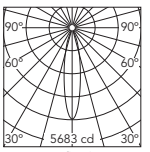
Beam Angle: 21°

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
- 09.4471.30A
- 09.4471.14A

Dali Version
- 09.4471.30ADA
- 09.4471.14ADA

21° MEDIUM



Luminous flux luminaire 1033 lm

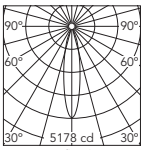
Beam Angle: 21°

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
- 09.4464.30A
- 09.4464.14A

Dali Version
- 09.4464.30ADA
- 09.4464.14ADA

21° MEDIUM



Luminous flux luminaire 941 lm

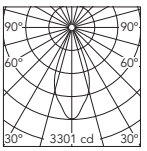
Beam Angle: 21°

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

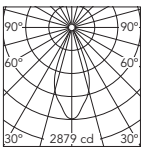
Beam Angle: 42°

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
- 09.4472.30A
- 09.4472.14A

Dali Version
- 09.4472.30ADA
- 09.4472.14ADA

42° FLOOD



Luminous flux luminaire 1216 lm

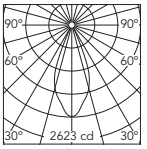
Beam Angle: 42°

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
- 09.4465.30A
- 09.4465.14A

Dali Version
- 09.4465.30ADA
- 09.4465.14ADA

42° FLOOD



Luminous flux luminaire 1108 lm

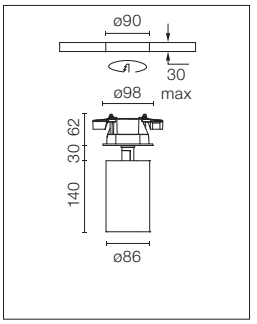
Beam Angle: 42°

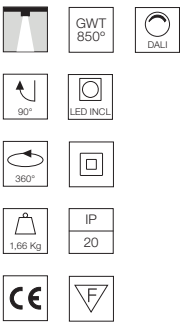
h(m)	E(lx)	D(m)
1	2623	0.76
2	656	1.52
3	291	2.28
4	164	3.05
5	105	3.81

Ut Spot Ceiling Ø86

Light Source: LED Array High Performances 33W - 3960 lm - 3000K/CRI 80 / 33W - 3250 lm - 3000K/CRI 90 / 33W - 3500 lm - 4000K/CRI 90







Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

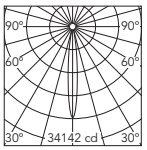
Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

Non Dimmable
- 09.4860.30A
- 09.4860.14A

Dali Version
- 09.4860.30ADA
- 09.4860.14ADA

12° SPOT



Luminous flux luminaire 2650 lm

Beam Angle: 12°

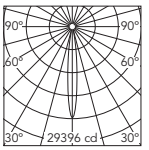
h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

4000K - CRI 90

Non Dimmable
- 09.4870.30A
- 09.4870.14A

Dali Version
- 09.4870.30ADA
- 09.4870.14ADA

12° SPOT



Luminous flux luminaire 2281 lm

Beam Angle: 12°

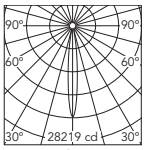
h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 90

Non Dimmable
- 09.4863.30A
- 09.4863.14A

Dali Version
- 09.4863.30ADA
- 09.4863.14ADA

12° SPOT



Luminous flux luminaire 2190 lm

Beam Angle: 12°

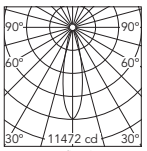
h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

3000K - CRI 80

Non Dimmable
- 09.4861.30A
- 09.4861.14A

Dali Version
- 09.4861.30ADA
- 09.4861.14ADA

24° MEDIUM



Luminous flux luminaire 2528 lm

Beam Angle: 24°

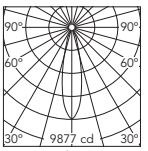
h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

4000K - CRI 90

Non Dimmable
- 09.4871.30A
- 09.4871.14A

Dali Version
- 09.4871.30ADA
- 09.4871.14ADA

24° MEDIUM



Luminous flux luminaire 2176 lm

Beam Angle: 24°

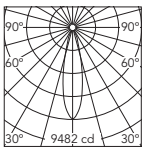
h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 90

Non Dimmable
- 09.4864.30A
- 09.4864.14A

Dali Version
- 09.4864.30ADA
- 09.4864.14ADA

24° MEDIUM



Luminous flux luminaire 2089 lm

Beam Angle: 24°

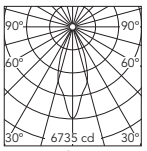
h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

3000K - CRI 80

Non Dimmable
- 09.4862.30A
- 09.4862.14A

Dali Version
- 09.4862.30ADA
- 09.4862.14ADA

37° FLOOD



Luminous flux luminaire 2408 lm

Beam Angle: 37°

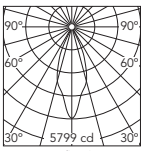
h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

4000K - CRI 90

Non Dimmable
- 09.4872.30A
- 09.4872.14A

Dali Version
- 09.4872.30ADA
- 09.4872.14ADA

37° FLOOD



Luminous flux luminaire 2074 lm

Beam Angle: 37°

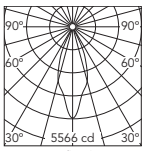
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

3000K - CRI 90

Non Dimmable
- 09.4865.30A
- 09.4865.14A

Dali Version
- 09.4865.30ADA
- 09.4865.14ADA

37° FLOOD



Luminous flux luminaire 1991 lm

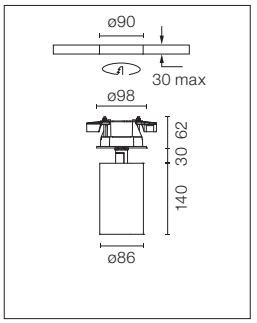
Beam Angle: 37°

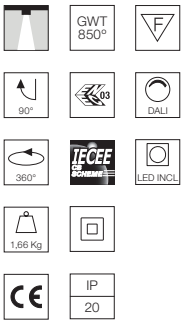
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

Ut Spot Ceiling Ø86

Light Source: Phosphor LED 31W/34W - 3000 lm - 3000K/CRI 98 / 29W - 3000 lm - 4000K/CRI 80







Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

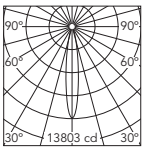
ENEC 03 not applicable to references: 09.4264.XX.XX 09.4271.XX.XX

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

ENEC 03 no aplicable a las referencias: 09.4264.XX.XX 09.4271.XX.XX

3000K - CRI 98
Non Dimmable
09.4263.30
09.4263.14
Dali Version
09.4263.30.DA
09.4263.14.DA

16° SPOT



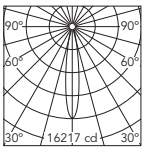
Luminous flux luminaire 1822 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13803	0.28
2	3451	0.55
3	1534	0.83
4	863	1.10
5	552	1.38

4000K - CRI 80
Non Dimmable
09.4270.30
09.4270.14
Dali Version
09.4270.30.DA
09.4270.14.DA

17° SPOT



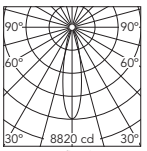
Luminous flux luminaire 2216 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	16217	0.29
2	4054	0.58
3	1802	0.88
4	1014	1.17
5	649	1.46

3000K - CRI 98
Non Dimmable
09.4264.30A
09.4264.14A
Dali Version
09.4264.30ADA
09.4264.14ADA

23° MEDIUM



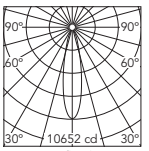
Luminous flux luminaire 1898 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8820	0.41
2	2205	0.82
3	980	1.23
4	551	1.64
5	353	2.05

4000K - CRI 80
Non Dimmable
09.4271.30A
09.4271.14A
Dali Version
09.4271.30ADA
09.4271.14ADA

23° MEDIUM



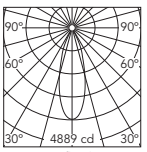
Luminous flux luminaire 2260 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	10652	0.41
2	2663	0.81
3	1184	1.22
4	666	1.63
5	426	2.03

3000K - CRI 98
Non Dimmable
09.4265.30
09.4265.14
Dali Version
09.4265.30.DA
09.4265.14.DA

32° FLOOD



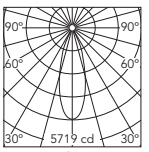
Luminous flux luminaire 1654 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	4889	0.57
2	1222	1.15
3	543	1.72
4	306	2.29
5	196	2.87

4000K - CRI 80
Non Dimmable
09.4272.30
09.4272.14
Dali Version
09.4272.30.DA
09.4272.14.DA

32° FLOOD



Luminous flux luminaire 1947 lm

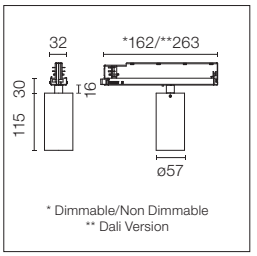
Beam Angle: 32°

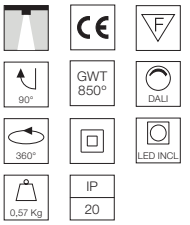
h(m)	E(lx)	D(m)
1	5719	0.58
2	1430	1.15
3	635	1.73
4	357	2.31
5	229	2.89

Ut Spot Track Ø57

Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2000 lm - 3000K/CRI 90 / 23,5W- 2150 lm - 4000K/CRI 90







Finishes Available



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.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80

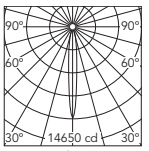
Non Dimmable
- 09.7700.30A
- 09.7700.14A

Non Dimmable All White
- 09.7700.30A78

Dali Version
- 09.7700.30ADA
- 09.7700.14ADA

Dali Version All White
- 09.7700.30AYU

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

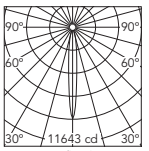
Non Dimmable
- 09.7706.30A
- 09.7706.14A

Non Dimmable All White
- 09.7706.30A78

Dali Version
- 09.7706.30ADA
- 09.7706.14ADA

Dali Version All White
- 09.7706.30AYU

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

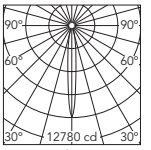
Non Dimmable
- 09.7701.30A
- 09.7701.14A

Non Dimmable All White
- 09.7701.30A78

Dali Version
- 09.7701.30ADA
- 09.7701.14ADA

Dali Version All White
- 09.7701.30AYU

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

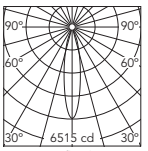
Non Dimmable
- 09.7702.30A
- 09.7702.14A

Non Dimmable All White
- 09.7702.30A78

Dali Version
- 09.7702.30ADA
- 09.7702.14ADA

Dali Version All White
- 09.7702.30AYU

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

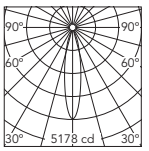
Non Dimmable
- 09.7707.30A
- 09.7707.14A

Non Dimmable All White
- 09.7707.30A78

Dali Version
- 09.7707.30ADA
- 09.7707.14ADA

Dali Version All White
- 09.7707.30AYU

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

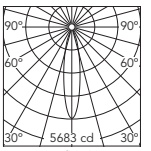
Non Dimmable
- 09.7703.30A
- 09.7703.14A

Non Dimmable All White
- 09.7703.30A78

Dali Version
- 09.7703.30ADA
- 09.7703.14ADA

Dali Version All White
- 09.7703.30AYU

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

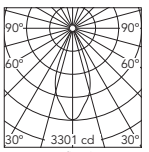
Non Dimmable
- 09.7704.30A
- 09.7704.14A

Non Dimmable All White
- 09.7704.30A78

Dali Version
- 09.7704.30ADA
- 09.7704.14ADA

Dali Version All White
- 09.7704.30AYU

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

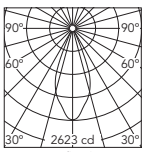
Non Dimmable
- 09.7708.30A
- 09.7708.14A

Non Dimmable All White
- 09.7708.30A78

Dali Version
- 09.7708.30ADA
- 09.7708.14ADA

Dali Version All White
- 09.7708.30AYU

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

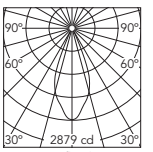
Non Dimmable
- 09.7705.30A
- 09.7705.14A

Non Dimmable All White
- 09.7705.30A78

Dali Version
- 09.7705.30ADA
- 09.7705.14ADA

Dali Version All White
- 09.7705.30AYU

42° FLOOD



Luminous flux luminaire 1216 lm

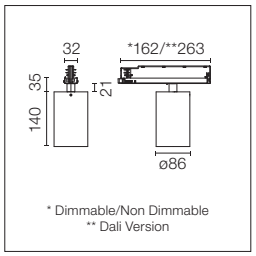
Beam Angle: 42°

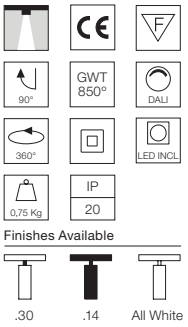
h(m)	E(lx)	D(m)
1	2879	0.76
2	720	1.52
3	320	2.28
4	180	3.05
5	115	3.81

Ut Spot Track Ø86

Light Source: LED Array High Performances 33W - 3770 lm - 3000K/CRI 80 / 33W - 3116 lm - 3000K/CRI 90 / 33W - 3246 lm - 4000K/CRI 90







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.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

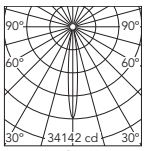
3000K - CRI 80
Non Dimmable
- 09.7750.30A
- 09.7750.14A

Non Dimmable All White
- 09.7750.30A78

Dali Version
- 09.7750.30ADA
- 09.7750.14ADA

Dali Version All White
- 09.7750.30AYU

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

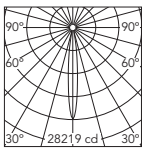
3000K - CRI 90
Non Dimmable
- 09.7756.30A
- 09.7756.14A

Non Dimmable All White
- 09.7756.30A78

Dali Version
- 09.7756.30ADA
- 09.7756.14ADA

Dali Version All White
- 09.7756.30AYU

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

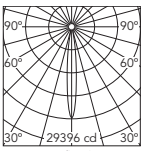
4000K - CRI 90
Non Dimmable
- 09.7751.30A
- 09.7751.14A

Non Dimmable All White
- 09.7751.30A78

Dali Version
- 09.7751.30ADA
- 09.7751.14ADA

Dali Version All White
- 09.7751.30AYU

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

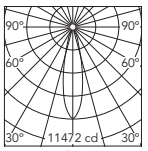
3000K - CRI 80
Non Dimmable
- 09.7752.30A
- 09.7752.14A

Non Dimmable All White
- 09.7752.30A78

Dali Version
- 09.7752.30ADA
- 09.7752.14ADA

Dali Version All White
- 09.7752.30AYU

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

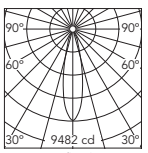
3000K - CRI 90
Non Dimmable
- 09.7757.30A
- 09.7757.14A

Non Dimmable All White
- 09.7757.30A78

Dali Version
- 09.7757.30ADA
- 09.7757.14ADA

Dali Version All White
- 09.7757.30AYU

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

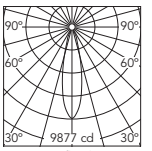
4000K - CRI 90
Non Dimmable
- 09.7753.30A
- 09.7753.14A

Non Dimmable All White
- 09.7753.30A78

Dali Version
- 09.7753.30ADA
- 09.7753.14ADA

Dali Version All White
- 09.7753.30AYU

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

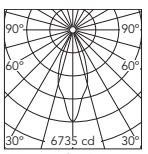
3000K - CRI 80
Non Dimmable
- 09.7754.30A
- 09.7754.14A

Non Dimmable All White
- 09.7754.30A78

Dali Version
- 09.7754.30ADA
- 09.7754.14ADA

Dali Version All White
- 09.7754.30AYU

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

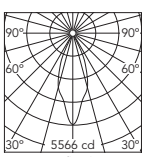
3000K - CRI 90
Non Dimmable
- 09.7758.30A
- 09.7758.14A

Non Dimmable All White
- 09.7758.30A78

Dali Version
- 09.7758.30ADA
- 09.7758.14ADA

Dali Version All White
- 09.7758.30AYU

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

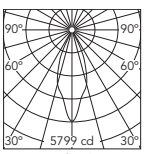
4000K - CRI 90
Non Dimmable
- 09.7755.30A
- 09.7755.14A

Non Dimmable All White
- 09.7755.30A78

Dali Version
- 09.7755.30ADA
- 09.7755.14ADA

Dali Version All White
- 09.7755.30AYU

37° FLOOD



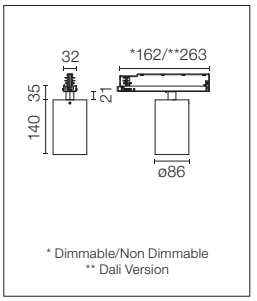
Luminous flux luminaire 2074 lm

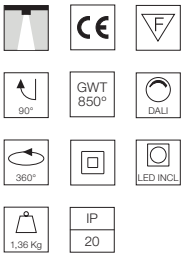
Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

Ut Spot Track Ø86

Light Source: Phosphor LED 27W - 3000 lm - 3000K/CRI 98 / 23W - 3000 lm - 4000K/CRI 80







Finishes Available



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.

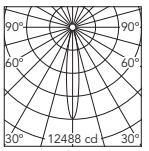
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 98
Non Dimmable
☐ 09.7733.30
■ 09.7733.14
All White
☐ 09.7733.30.78

Dali Version
☐ 09.7733.30.DA
■ 09.7733.14.DA
All White
☐ 09.7733.30.YU

16° SPOT



Luminous flux luminaire
1648 lm

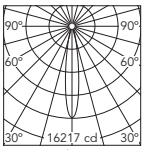
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12488	0.28
2	3122	0.55
3	1388	0.83
4	781	1.10
5	500	1.38

4000K - CRI 80
Non Dimmable
☐ 09.7730.30
■ 09.7730.14
All White
☐ 09.7730.30.78

Dali Version
☐ 09.7730.30.DA
■ 09.7730.14.DA
All White
☐ 09.7730.30.YU

17° SPOT



Luminous flux luminaire
2216 lm

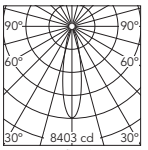
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	16217	0.29
2	4054	0.58
3	1802	0.88
4	1014	1.17
5	649	1.46

3000K - CRI 98
Non Dimmable
☐ 09.7734.30A
■ 09.7734.14A
All White
☐ 09.7734.30A78

Dali Version
☐ 09.7734.30ADA
■ 09.7734.14ADA
All White
☐ 09.7734.30AYU

23° MEDIUM



Luminous flux luminaire
1808 lm

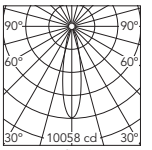
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8403	0.41
2	2101	0.82
3	934	1.23
4	525	1.64
5	336	2.05

4000K - CRI 80
Non Dimmable
☐ 09.7731.30A
■ 09.7731.14A
All White
☐ 09.7731.30A78

Dali Version
☐ 09.7731.30ADA
■ 09.7731.14ADA
All White
☐ 09.7731.30AYU

23° MEDIUM



Luminous flux luminaire
2134 lm

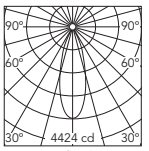
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	10058	0.41
2	2514	0.81
3	1118	1.22
4	629	1.63
5	402	2.03

3000K - CRI 98
Non Dimmable
☐ 09.7735.30
■ 09.7735.14
All White
☐ 09.7735.30.78

Dali Version
☐ 09.7735.30.DA
■ 09.7735.14.DA
All White
☐ 09.7735.30.YU

32° FLOOD



Luminous flux luminaire
1496 lm

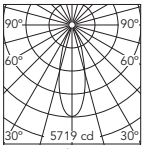
Beam Angle: 32°

h(m)	E(lx)	D(m)
1	4424	0.57
2	1106	1.15
3	492	1.72
4	276	2.29
5	177	2.87

4000K - CRI 80
Non Dimmable
☐ 09.7732.30
■ 09.7732.14
All White
☐ 09.7732.30.78

Dali Version
☐ 09.7732.30.DA
■ 09.7732.14.DA
All White
☐ 09.7732.30.YU

32° FLOOD



Luminous flux luminaire
1947 lm

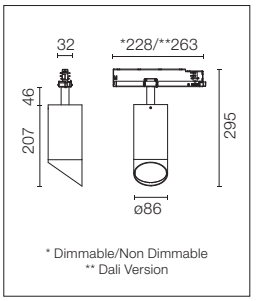
Beam Angle: 32°

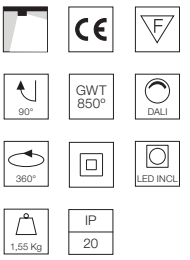
h(m)	E(lx)	D(m)
1	5719	0.58
2	1430	1.15
3	635	1.73
4	357	2.31
5	229	2.89

Ut Spot Track Wall-Washer Ø86

Light Source: LED Array High Performances 33W - 3960 lm - 3000K/CRI 80 / 33W - 3250 lm - 3000K/CRI 90 / 33W - 3500 lm - 4000K/CRI 90







Finishes Available



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.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80

Non Dimmable

- ☐ 09.7770.30A
- ■ 09.7770.14A

All White

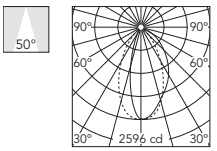
- ☐ 09.7770.30A78

Dali Version

- ☐ 09.7770.30ADA
- ■ 09.7770.14ADA

Dali Version All White

- ☐ 09.7770.30AYU



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

- ☐ 09.7771.30A
- ■ 09.7771.14A

All White

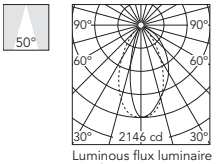
- ☐ 09.7771.30A78

Dali Version

- ☐ 09.7771.30ADA
- ■ 09.7771.14ADA

Dali Version All White

- ☐ 09.7771.30AYU



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

- ☐ 09.7772.30A
- ■ 09.7772.14A

All White

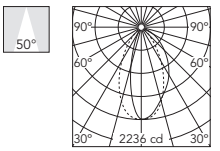
- ☐ 09.7772.30A78

Dali Version

- ☐ 09.7772.30ADA
- ■ 09.7772.14ADA

Dali Version All White

- ☐ 09.7772.30AYU



Luminous flux luminaire
2204 lm

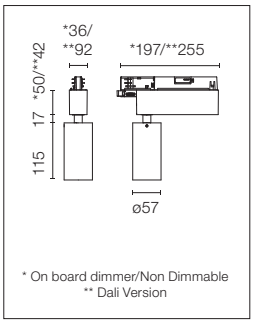
Beam Angle: 50°

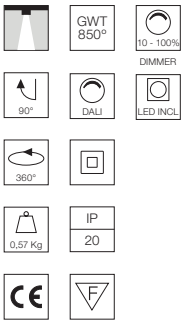
h(m)	E(lx)	D(m)
1	2236	0.98
2	559	1.97
3	248	2.95
4	140	3.94
5	89	4.92

Ut Spot Track Ø57

Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2000 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
On board dimmer
- 09.4440.30A
- 09.4440.14A

Non Dimmable
- 09.4480.30A
- 09.4480.14A

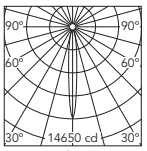
Dali Version
- 09.4440.30ADA
- 09.4440.14ADA

3000K - CRI 90
On board dimmer
- 09.4443.30A
- 09.4443.14A

Non Dimmable
- 09.4486.30A
- 09.4486.14A

Dali Version
- 09.4443.30ADA
- 09.4443.14ADA

10° SPOT

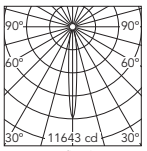


Luminous flux luminaire 1255 lm

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

10° SPOT



Luminous flux luminaire 997 lm

Beam Angle: 10°

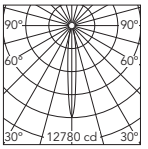
h(m)	E(lx)	D(m)
1	11643	0.18
2	2911	0.36
3	1294	0.54
4	728	0.72
5	466	0.90

4000K - CRI 90
On board dimmer included
- 09.4450.30A
- 09.4450.14A

Non Dimmable
- 09.4481.30A
- 09.4481.14A

Dali Version
- 09.4450.30ADA
- 09.4450.14ADA

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

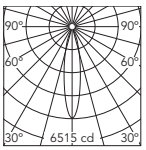
Dali Version
- 09.4441.30ADA
- 09.4441.14ADA

3000K - CRI 90
On board dimmer
- 09.4444.30A
- 09.4444.14A

Non Dimmable
- 09.4487.30A
- 09.4487.14A

Dali Version
- 09.4444.30ADA
- 09.4444.14ADA

21° MEDIUM

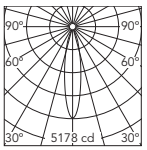


Luminous flux luminaire 1184 lm

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

21° MEDIUM



Luminous flux luminaire 941 lm

Beam Angle: 21°

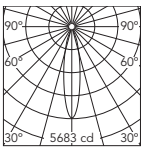
h(m)	E(lx)	D(m)
1	5178	0.37
2	1294	0.73
3	575	1.10
4	324	1.47
5	207	1.83

4000K - CRI 90
On board dimmer included
- 09.4451.30A
- 09.4451.14A

Non Dimmable
- 09.4483.30A
- 09.4483.14A

Dali Version
- 09.4451.30ADA
- 09.4451.14ADA

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

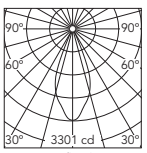
Dali Version
- 09.4442.30ADA
- 09.4442.14ADA

3000K - CRI 90
On board dimmer
- 09.4445.30A
- 09.4445.14A

Non Dimmable
- 09.4488.30A
- 09.4488.14A

Dali Version
- 09.4445.30ADA
- 09.4445.14ADA

42° FLOOD

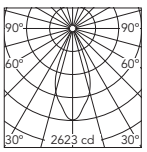


Luminous flux luminaire 1394 lm

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

42° FLOOD



Luminous flux luminaire 1108 lm

Beam Angle: 42°

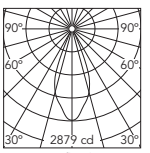
h(m)	E(lx)	D(m)
1	2623	0.76
2	656	1.52
3	291	2.28
4	164	3.05
5	105	3.81

4000K - CRI 90
On board dimmer included
- 09.4452.30A
- 09.4452.14A

Non Dimmable
- 09.4485.30A
- 09.4485.14A

Dali Version
- 09.4452.30ADA
- 09.4452.14ADA

42° FLOOD



Luminous flux luminaire 1216 lm

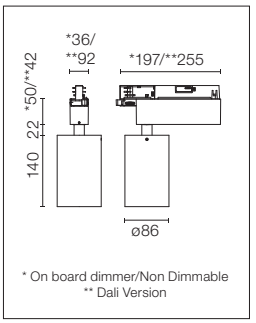
Beam Angle: 42°

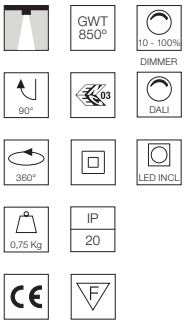
h(m)	E(lx)	D(m)
1	2879	0.76
2	720	1.52
3	320	2.28
4	180	3.05
5	115	3.81

Ut Spot Track Ø86

Light Source: LED Array High Performances 33W - 3770 lm - 3000K/CRI 80 / 33W - 3116 lm - 3000K/CRI 90 / 33W - 3246 lm - 4000K/CRI 90







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
On board dimmer
- 09.4840.30A
- 09.4840.14A

Non Dimmable
- 09.4880.30A
- 09.4880.14A

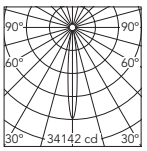
Dali Version
- 09.4840.30ADA
- 09.4840.14ADA

3000K - CRI 90
On board dimmer
- 09.4843.30A
- 09.4843.14A

Non Dimmable
- 09.4886.30A
- 09.4886.14A

Dali Version
- 09.4843.30ADA
- 09.4843.14ADA

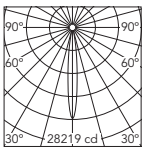
12° SPOT



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

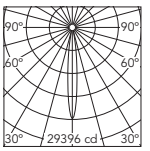
Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

4000K - CRI 90
On board dimmer included
- 09.4850.30A
- 09.4850.14A

Non Dimmable
- 09.4881.30A
- 09.4881.14A

Dali Version
- 09.4850.30ADA
- 09.4850.14ADA

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

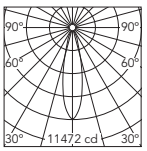
Dali Version
- 09.4841.30ADA
- 09.4841.14ADA

3000K - CRI 90
On board dimmer
- 09.4844.30A
- 09.4844.14A

Non Dimmable
- 09.4887.30A
- 09.4887.14A

Dali Version
- 09.4844.30ADA
- 09.4844.14ADA

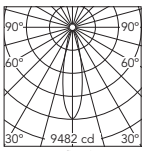
24° MEDIUM



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

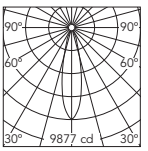
Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

4000K - CRI 90
On board dimmer included
- 09.4851.30A
- 09.4851.14A

Non Dimmable
- 09.4883.30A
- 09.4883.14A

Dali Version
- 09.4851.30ADA
- 09.4851.14ADA

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

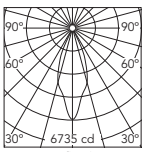
Dali Version
- 09.4842.30ADA
- 09.4842.14ADA

3000K - CRI 90
On board dimmer
- 09.4845.30A
- 09.4845.14A

Non Dimmable
- 09.4888.30A
- 09.4888.14A

Dali Version
- 09.4845.30ADA
- 09.4845.14ADA

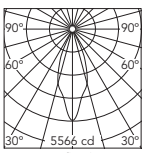
37° FLOOD



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

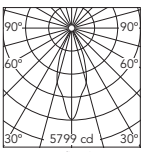
Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

4000K - CRI 90
On board dimmer included
- 09.4852.30A
- 09.4852.14A

Non Dimmable
- 09.4885.30A
- 09.4885.14A

Dali Version
- 09.4852.30ADA
- 09.4852.14ADA

37° FLOOD



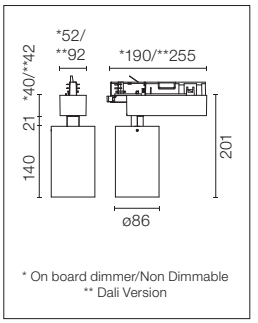
Luminous flux luminaire 2074 lm

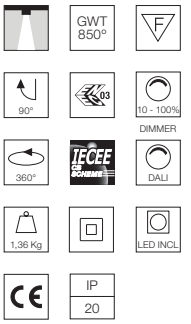
Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

Ut Spot Track Ø86

Light Source: Phosphor LED 31W/34W - 2650 lm - 3000K/CRI 98 / 29W - 3000 lm - 4000K/CRI 80







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

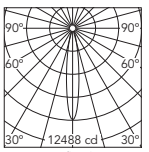
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 98
On board dimmer
- 09.4243.30
- 09.4243.14

Non Dimmable
- 09.4286.30
- 09.4286.14

Dali Version
- 09.4243.30.DA
- 09.4243.14.DA

16° SPOT



Luminous flux luminaire
1648 lm

Beam Angle: 16°

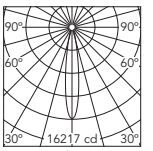
h(m)	E(lx)	D(m)
1	12488	0.28
2	3122	0.55
3	1388	0.83
4	781	1.10
5	500	1.38

4000K - CRI 80
On board dimmer
- 09.4250.30
- 09.4250.14

Non Dimmable
- 09.4281.30
- 09.4281.14

Dali Version
- 09.4250.30.DA
- 09.4250.14.DA

17° SPOT



Luminous flux luminaire
2216 lm

Beam Angle: 17°

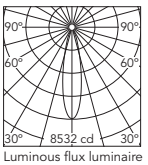
h(m)	E(lx)	D(m)
1	16217	0.29
2	4054	0.58
3	1802	0.88
4	1014	1.17
5	649	1.46

3000K - CRI 98
On board dimmer
- 09.4244.30A
- 09.4244.14A

Non Dimmable
- 09.4287.30A
- 09.4287.14A

Dali Version
- 09.4244.30ADA
- 09.4244.14ADA

23° MEDIUM



Luminous flux luminaire
1836 lm

Beam Angle: 23°

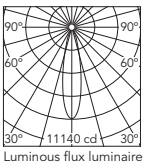
h(m)	E(lx)	D(m)
1	8532	0.41
2	2133	0.82
3	948	1.23
4	533	1.64
5	341	2.05

4000K - CRI 80
On board dimmer
- 09.4251.30A
- 09.4251.14A

Non Dimmable
- 09.4283.30A
- 09.4283.14A

Dali Version
- 09.4251.30ADA
- 09.4251.14ADA

23° MEDIUM



Luminous flux luminaire
2363 lm

Beam Angle: 23°

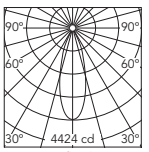
h(m)	E(lx)	D(m)
1	11140	0.41
2	2785	0.81
3	1238	1.22
4	696	1.63
5	446	2.03

3000K - CRI 98
On board dimmer
- 09.4245.30
- 09.4245.14

Non Dimmable
- 09.4288.30
- 09.4288.14

Dali Version
- 09.4245.30.DA
- 09.4245.14.DA

32° FLOOD



Luminous flux luminaire
1496 lm

Beam Angle: 32°

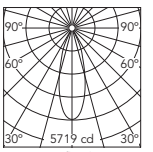
h(m)	E(lx)	D(m)
1	4424	0.57
2	1106	1.15
3	492	1.72
4	276	2.29
5	177	2.87

4000K - CRI 80
On board dimmer
- 09.4252.30
- 09.4252.14

Non Dimmable
- 09.4285.30
- 09.4285.14

Dali Version
- 09.4252.30.DA
- 09.4252.14.DA

32° FLOOD



Luminous flux luminaire
1947 lm

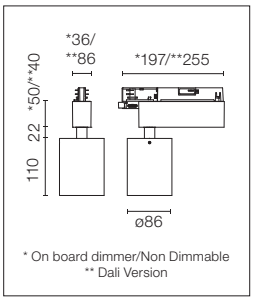
Beam Angle: 32°

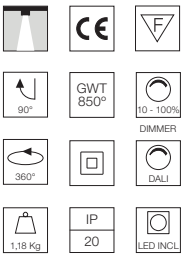
h(m)	E(lx)	D(m)
1	5719	0.58
2	1430	1.15
3	635	1.73
4	357	2.31
5	229	2.89

Ut Spot Track Multichip Ø86

Light Source: Top LED 11,5W - 850 lm - 3000K/CRI 90 / 11,5W - 950 lm - 3000K/CRI 80 / 11,5W - 1000 lm - 4000K/CRI 80







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.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Los accesorios no son compatibles con esta versión.

3000K - CRI 80

On board dimmer

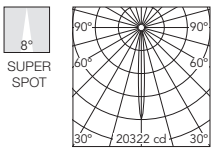
- ☐ 09.4980.30
- ■ 09.4980.14

Non Dimmable

- ☐ 09.4983.30
- ■ 09.4983.14

Dali Version

- ☐ 09.4980.30.DA
- ■ 09.4980.14.DA



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

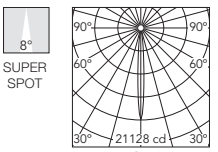
- ☐ 09.4982.30
- ■ 09.4982.14

Non Dimmable

- ☐ 09.4985.30
- ■ 09.4985.14

Dali Version

- ☐ 09.4982.30.DA
- ■ 09.4982.14.DA



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

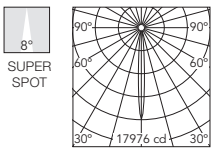
- ■ 09.4981.30
- ■ 09.4981.14

Non Dimmable

- ☐ 09.4984.30
- ■ 09.4984.14

Dali Version

- ☐ 09.4981.30.DA
- ■ 09.4981.14.DA



Luminous flux luminaire
687 lm

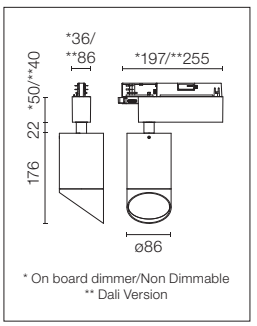
Beam Angle: 8°

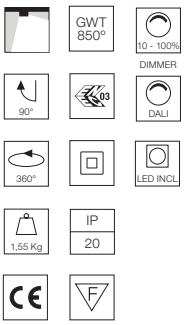
h(m)	E(lx)	D(m)
1	17976	0.14
2	4494	0.27
3	1997	0.41
4	1124	0.54
5	719	0.68

Ut Spot Track Wall-Washer Ø86

Light Source: LED Array High Performances 33W - 3960 lm - 3000K/CRI 80 / 33W - 3250 lm - 3000K/CRI 90 / 33W - 3500 lm - 4000K/CRI 90







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80

On board dimmer

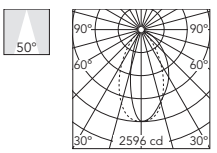
- ☐ 09.4950.30A
- ■ 09.4950.14A

Non Dimmable

- ☐ 09.4951.30A
- ■ 09.4951.14A

Dali Version

- ☐ 09.4950.30ADA
- ■ 09.4950.14ADA



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

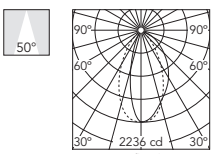
- ☐ 09.4956.30A
- ■ 09.4956.14A

Non Dimmable

- ☐ 09.4957.30A
- ■ 09.4957.14A

Dali Version

- ☐ 09.4956.30ADA
- ■ 09.4956.14ADA



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

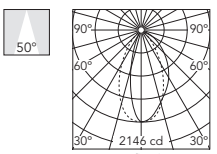
- ☐ 09.4953.30A
- ■ 09.4953.14A

Non Dimmable

- ☐ 09.4954.30A
- ■ 09.4954.14A

Dali Version

- ☐ 09.4953.30ADA
- ■ 09.4953.14ADA



Luminous flux luminaire
2116 lm

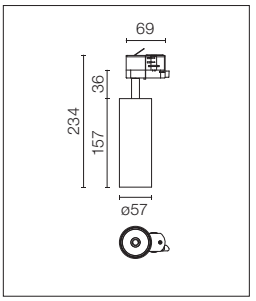
Beam Angle: 50°

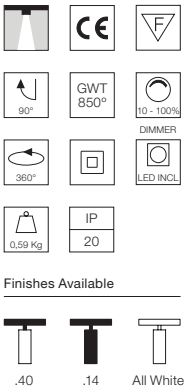
h(m)	E(lx)	D(m)
1	2146	0.98
2	537	1.97
3	238	2.95
4	134	3.94
5	86	4.92

UT Pro 150 GA-69

Light Source: LED Array 23,5W - 2300 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2009 lm - 4000K/CRI 90







Finishes Available

Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

.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.

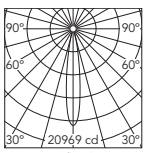
Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7270.40A
- ■ 09.7270.14A

All White
- ☐ 09.7270.40A78

16° SPOT



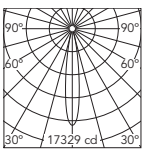
Luminous flux luminaire 2265 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	20969	0.28
2	5242	0.56
3	2330	0.84
4	1311	1.12
5	839	1.40

3000K - CRI 90
On board dimmer
- ☐ 09.7276.40A
- ■ 09.7276.14A

All White
- ☐ 09.7276.40A78

16° SPOT



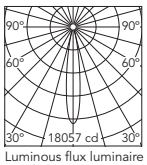
Luminous flux luminaire 1872 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	17329	0.28
2	4332	0.56
3	1925	0.84
4	1083	1.12
5	693	1.40

4000K - CRI 90
On board dimmer
- ☐ 09.7271.40A
- ■ 09.7271.14A

All White
- ☐ 09.7271.40A78

16° SPOT



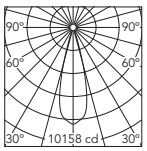
Luminous flux luminaire 1951 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	18057	0.28
2	4514	0.56
3	2006	0.84
4	1129	1.12
5	722	1.40

3000K - CRI 80
On board dimmer
- ☐ 09.7272.40A
- ■ 09.7272.14A

All White
- ☐ 09.7272.40A78

28° MEDIUM



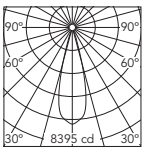
Luminous flux luminaire 2198 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	10158	0.50
2	2540	1.00
3	1129	1.50
4	635	2.00
5	406	2.50

3000K - CRI 90
On board dimmer
- ☐ 09.7277.40A
- ■ 09.7277.14A

All White
- ☐ 09.7277.40A78

28° MEDIUM



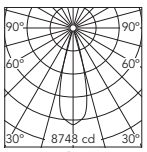
Luminous flux luminaire 1816 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	8395	0.50
2	2099	1.00
3	933	1.50
4	525	2.00
5	336	2.50

4000K - CRI 90
On board dimmer
- ☐ 09.7273.40A
- ■ 09.7273.14A

All White
- ☐ 09.7273.40A78

28° MEDIUM



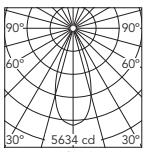
Luminous flux luminaire 1892 lm

Beam Angle:	28°	
h(m)	E(lx)	D(m)
1	8748	0.50
2	2187	1.00
3	972	1.50
4	547	2.00
5	350	2.50

3000K - CRI 80
On board dimmer
- ☐ 09.7274.40A
- ■ 09.7274.14A

All White
- ☐ 09.7274.40A78

40° FLOOD



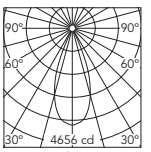
Luminous flux luminaire 2224 lm

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	5634	0.73
2	1408	1.46
3	626	2.18
4	352	2.91
5	225	3.64

3000K - CRI 90
On board dimmer
- ☐ 09.7278.40A
- ■ 09.7278.14A

All White
- ☐ 09.7278.40A78

40° FLOOD



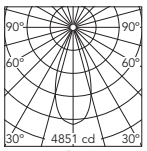
Luminous flux luminaire 1838 lm

Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	4656	0.73
2	1164	1.46
3	517	2.18
4	291	2.91
5	186	3.64

4000K - CRI 90
On board dimmer
- ☐ 09.7275.40A
- ■ 09.7275.14A

All White
- ☐ 09.7275.40A78

40° FLOOD



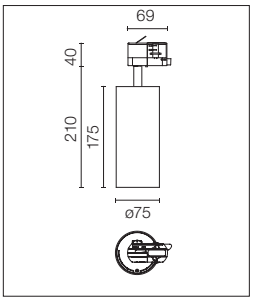
Luminous flux luminaire 1915 lm

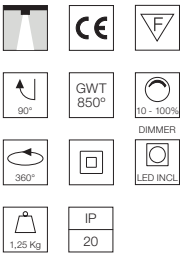
Beam Angle:	40°	
h(m)	E(lx)	D(m)
1	4851	0.73
2	1213	1.46
3	539	2.18
4	303	2.91
5	194	3.64

UT Pro 175 GA-69

Light Source: 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



Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

.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.

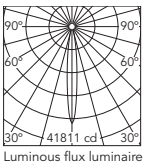
Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7310.40
- ■ 09.7310.14

All White
- ☐ 09.7310.40.78

12° SPOT



Luminous flux luminaire 3664 lm

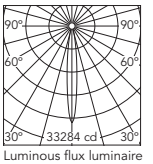
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	41811	0.21
2	10453	0.41
3	4646	0.62
4	2613	0.83
5	1672	1.03

3000K - CRI 90
On board dimmer
- ☐ 09.7311.40
- ■ 09.7311.14

All White
- ☐ 09.7311.40.78

12° SPOT



Luminous flux luminaire 2916 lm

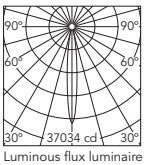
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	33284	0.21
2	8321	0.41
3	3698	0.62
4	2080	0.83
5	1331	1.03

4000K - CRI 90
On board dimmer
- ☐ 09.7312.40
- ■ 09.7312.14

All White
- ☐ 09.7312.40.78

12° SPOT



Luminous flux luminaire 3245 lm

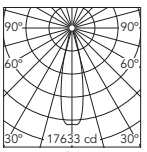
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	37034	0.21
2	9258	0.41
3	4115	0.62
4	2315	0.83
5	1481	1.03

3000K - CRI 80
On board dimmer
- ☐ 09.7313.40
- ■ 09.7313.14

All White
- ☐ 09.7313.40.78

25° MEDIUM



Luminous flux luminaire 3637 lm

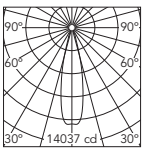
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	17633	0.44
2	4408	0.88
3	1959	1.32
4	1102	1.76
5	705	2.20

3000K - CRI 90
On board dimmer
- ☐ 09.7314.40
- ■ 09.7314.14

All White
- ☐ 09.7314.40.78

25° MEDIUM



Luminous flux luminaire 2895 lm

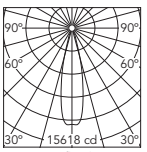
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	14037	0.44
2	3509	0.88
3	1560	1.32
4	877	1.76
5	561	2.20

4000K - CRI 90
On board dimmer
- ☐ 09.7315.40
- ■ 09.7315.14

All White
- ☐ 09.7315.40.78

25° MEDIUM



Luminous flux luminaire 3221 lm

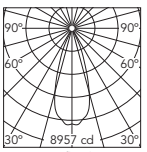
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	15618	0.44
2	3904	0.88
3	1735	1.32
4	976	1.76
5	625	2.20

3000K - CRI 80
On board dimmer
- ☐ 09.7316.40
- ■ 09.7316.14

All White
- ☐ 09.7316.40.78

37° FLOOD



Luminous flux luminaire 3321 lm

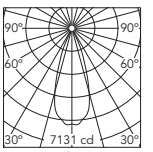
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	8957	0.66
2	2239	1.32
3	995	1.98
4	560	2.65
5	358	3.31

3000K - CRI 90
On board dimmer
- ☐ 09.7317.40
- ■ 09.7317.14

All White
- ☐ 09.7317.40.78

37° FLOOD



Luminous flux luminaire 2644 lm

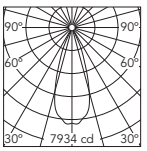
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7131	0.66
2	1783	1.32
3	792	1.98
4	446	2.65
5	285	3.31

4000K - CRI 90
On board dimmer
- ☐ 09.7318.40
- ■ 09.7318.14

All White
- ☐ 09.7318.40.78

37° FLOOD



Luminous flux luminaire 2941 lm

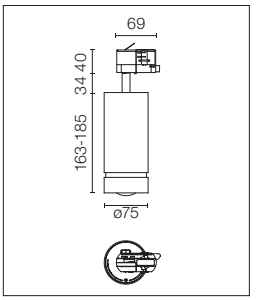
Beam Angle: 37°

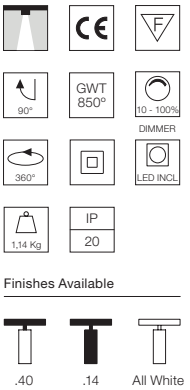
h(m)	E(lx)	D(m)
1	7934	0.66
2	1983	1.32
3	882	1.98
4	496	2.65
5	317	3.31

UT Pro 175 Lens GA-69

Light Source: 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

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.

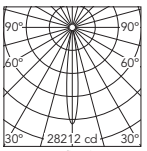
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Incorpora lente ajustable que permite la calibración del ángulo de apertura de 13º a 56º.
Fuente de alimentación 120-270V integrada.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7373.40
- ■ 09.7373.14
  All White
- ☐ 09.7373.40.78

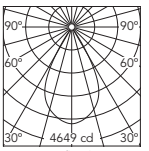
13° LENS OUT



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

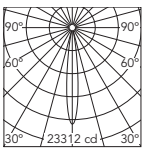


Luminous flux luminaire 3468 lm

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

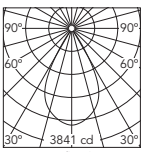
13° LENS OUT



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

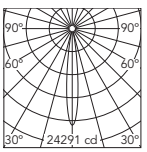


Luminous flux luminaire 2866 lm

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

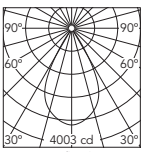
13° LENS OUT



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



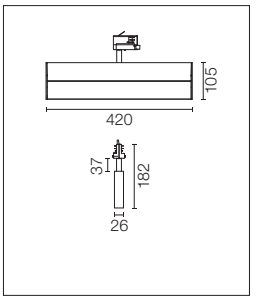
Luminous flux luminaire 2986 lm

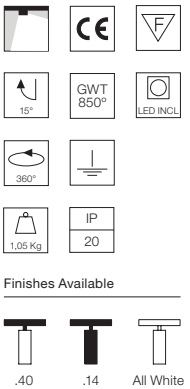
Beam Angle:	56°
h(m)	E(lx)	D(m)
1	4003	1.07
2	1001	2.14
3	445	3.21
4	250	4.29
5	160	5.36

UT Pro Wall-Washer GA-69 (Dali GA-600)

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90







Finishes Available

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. Only the anti-glare ring is black.

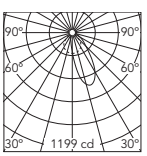
Módulo de iluminación Wall-Washer para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 220-240V integrada. Para la versión DALI necesita carriles dimmables (ver capítulo "Tracks").

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

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°



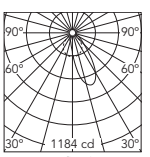
Luminous flux luminaire 1706 lm

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

Accessories / Accesorios

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.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

UT Spot Ø57 / UT Pro 150

Screening crosspiece. Cruceta de apantallamiento.		08.8429.00
Elliptical lens Lente elíptica		08.8431.00
Flood lens Lente flood For Spot & Medium optics		08.8432.00
Honeycomb Honeycomb		08.8428.00
Snoot shielding cone Cono apantallador		08.0526.00 08.0526.40 08.0526.BW

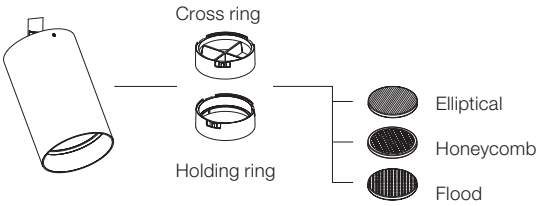
UT Pro 175

Screening crosspiece. Cruceta de apantallamiento.		08.9108.00
Elliptical lens Lente elíptica		08.9109.00
Flood lens Lente flood		08.9110.00
Honeycomb Honeycomb		08.9107.00
Snoot shielding cone Cono apantallador		08.9111.00

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.
UT Spot Ø86: Installation compatible with honeycomb + lense at the same time.
UT Spot Ø86 Multichip: The accessories are not compatible with this version.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
UT Spot Ø86: Compatibilidad de instalación de honeycomb + lente al mismo tiempo.
UT Spot Ø86 Multichip: Los accesorios no son compatibles con esta versión.



UT Spot Ø86

Holding ring Aro soporte		08.8410.00

UT Spot Ø86 Phosphor LED / UT Spot Ø86 LED Array

Screening crosspiece. Cruceta de apantallamiento.		08.8411.00

UT Spot Ø86 LED Array

Elliptical lens Lente elíptica		08.8163.68
Flood lens Lente flood For Spot & Medium optics		08.8175.68
Honeycomb Honeycomb		08.8495.14

SOLID PURE

DESIGNED BY KNUD HOLSCHER

TRACK



CEILING



LIGHT SOURCE
LED ARRAY
23W
2747 lm
3000K/CRI 80
23W
2231 lm
3000K/CRI 90
23W
2865 lm
4000K/CRI 80

LIGHT SOURCE
LED ARRAY
30W
3516 lm
3000K/CRI 80
30W
2855 lm
3000K/CRI 90
30W
3667 lm
4000K/CRI 80

LIGHT SOURCE
LED ARRAY
35W
4321 lm
3000K/CRI 80
35W
3509 lm
3000K/CRI 90
35W
4508 lm
4000K/CRI 80

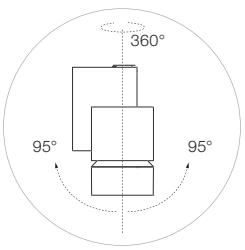
☐ 30 White
30 Blanco

■ 14 Black
14 Negro





Can be rotated 360° and swivelled 190°.
Puede ser rotado 360° y orientado 190°.



reddot design award
winner 2013

Description
A luminaire for indoor use to be mounted on three-phase track or on ceilings/walls, available in high power LED technology light sources and in DALI and non-DALI versions.
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, grey or black finishes. The reflector fastening ring houses an accessory-holder element where chromatic filters and honeycomb type anti-glare elements can be housed.
The perfect operation of the LED module is guaranteed thanks to its heat dissipation system, which permits constant recirculation of the air on the inside. To this end, solutions with passive radiators (23/30/35W versions) and active radiators (53W version) are used depending on the required air recirculation flow.

Reflectors
All optics are made of superpure aluminium with speculiar finish. Symmetrical circular rotary system.
Available in 3 optics: spot, medium y flood.

Power Supply
Not dimmable or dimmable Dali 220/240V, constant current, power supply included.

Accessories
- Honeycomb.
- Chromatic filters.

Additional Information
Block system to fix the lightbeam in horizontal (360° rotation on vertical edge) as well as vertical (190° on horizontal edge).
DALI versión for track and surface mounting is available.
IP20 protection grade.
Insulation class I.
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 and Eutrac. 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.

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

Descripción
Luminaria de interior para ser instalada a carril trifásico o sobre techos/paredes disponible con fuentes de luz de tecnología Led de alta potencia y en versión Dali y No Dali.
El cuerpo óptico de la luminaria así como el contenedor de los equipos de alimentación están fabricados en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco, gris o negro. El anillo para la fijación de los reflectores está realizado en material termoplástico de color negro y aloja en su interior un elemento porta accesorios capaz de alojar filtros cromáticos y elementos anti deslumbramiento tipo panel de abeja.
La luminaria a carril incorpora un adaptador a carril trifásico.
El correcto funcionamiento durante la vida útil del módulo Led viene garantizado gracias a un innovador diseño de su sistema de disipación térmica, el cual permite una constante recirculación del flujo del aire en su interior. Para ello se utilizan soluciones con radiadores pasivos (versiones 23/30/35W) y activos (versión 53W) en función del caudal necesario de la recirculación del aire.

Reflectores
Todas las ópticas están realizadas en aluminio superpuro con acabado especular. Circular simétrico giratorio.
La luminaria está disponible en tres tipos de reflectores: spot, medium y flood.

Unidades de Alimentación
Fuente de alimentación de corriente constante no regulable o regulable Dali 220/240V incluida.

Accesorios
- Honeycomb.
- Filtros cromáticos.

Información Adicional
Posibilidad de bloquear la orientación del haz de luz tanto en el plano horizontal (rotación a 360° en el eje vertical) como en el plano vertical (190° en el eje horizontal).
Está disponible en versión Dali tanto a carril como a techo.
Índice de protección IP20.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.
Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium y Eutrac. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.
Las luminarias de FLOS a carril trifásico DALI están diseñadas para el protocolo Pulse DALI de Nordic Aluminium.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

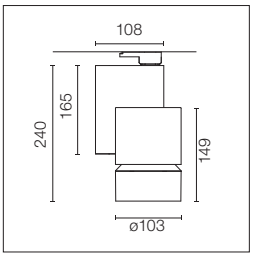
Ceiling

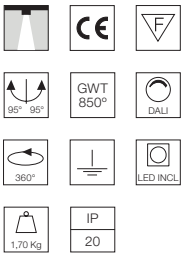
Track

Solid Pure Track

Light Source: LED Array 23W - 2747 lm - 3000K/CRI 80







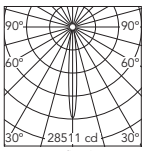
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable
- 09.2888.30
- 09.2888.14

Dali Version
- 09.2888.30.DA
- 09.2888.14.DA

10° SPOT



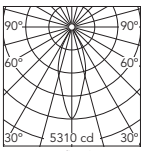
Luminous flux luminaire 2276 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	28511	0.18
2	7128	0.35
3	3168	0.53
4	1782	0.71
5	1140	0.88

Non Dimmable
- 09.2890.30
- 09.2890.14

Dali Version
- 09.2890.30.DA
- 09.2890.14.DA

35° FLOOD



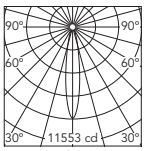
Luminous flux luminaire 2075 lm

Beam Angle: 35°		
h(m)	E(lx)	D(m)
1	5310	0.64
2	1327	1.27
3	590	1.91
4	332	2.54
5	212	3.18

Non Dimmable
- 09.2889.30
- 09.2889.14

Dali Version
- 09.2889.30.DA
- 09.2889.14.DA

18° MEDIUM



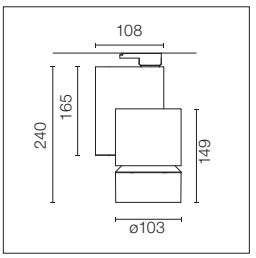
Luminous flux luminaire 1917 lm

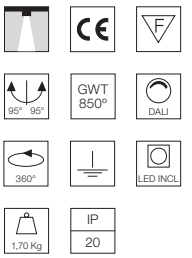
Beam Angle: 18°		
h(m)	E(lx)	D(m)
1	11553	0.31
2	2888	0.62
3	1284	0.93
4	722	1.24
5	462	1.55

Solid Pure Track

Light Source: LED Array 30W - 3516 lm - 3000K/CRI 80 / 35W - 4321 lm - 3000K/CRI 80







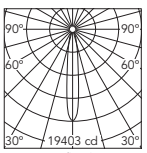
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
30W - 3516 lm
Non Dimmable
- 09.2870.30
- 09.2870.14

Dali Version
- 09.2870.30.DA
- 09.2870.14.DA

14° SPOT



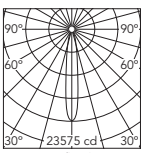
Luminous flux luminaire 2734 lm

Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	19403	0.25
2	4851	0.51
3	2156	0.76
4	1213	1.01
5	776	1.27

3000K - CRI 80
35W - 4321 lm
Non Dimmable
- 09.2953.30
- 09.2953.14

Dali Version
- 09.2953.30.DA
- 09.2953.14.DA

15° SPOT



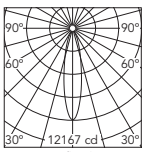
Luminous flux luminaire 3474 lm

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	23575	0.26
2	5894	0.53
3	2619	0.79
4	1473	1.05
5	943	1.31

3000K - CRI 80
30W - 3516 lm
Non Dimmable
- 09.2871.30
- 09.2871.14

Dali Version
- 09.2871.30.DA
- 09.2871.14.DA

22° MEDIUM



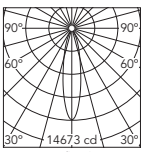
Luminous flux luminaire 2799 lm

Beam Angle: 22°		
h(m)	E(lx)	D(m)
1	12167	0.39
2	3042	0.79
3	1352	1.18
4	760	1.57
5	487	1.97

3000K - CRI 80
35W - 4321 lm
Non Dimmable
- 09.2954.30
- 09.2954.14

Dali Version
- 09.2954.30.DA
- 09.2954.14.DA

23° MEDIUM



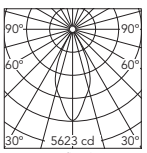
Luminous flux luminaire 3443 lm

Beam Angle: 23°		
h(m)	E(lx)	D(m)
1	14673	0.40
2	3668	0.80
3	1630	1.20
4	917	1.59
5	587	1.99

3000K - CRI 80
30W - 3516 lm
Non Dimmable
- 09.2872.30
- 09.2872.14

Dali Version
- 09.2872.30.DA
- 09.2872.14.DA

44° FLOOD



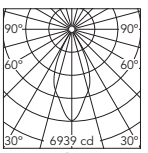
Luminous flux luminaire 2662 lm

Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	5623	0.80
2	1406	1.61
3	625	2.41
4	351	3.22
5	225	4.02

3000K - CRI 80
35W - 4321 lm
Non Dimmable
- 09.2955.30
- 09.2955.14

Dali Version
- 09.2955.30.DA
- 09.2955.14.DA

45° FLOOD



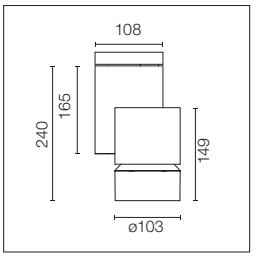
Luminous flux luminaire 3409 lm

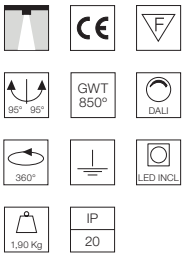
Beam Angle: 45°		
h(m)	E(lx)	D(m)
1	6939	0.83
2	1735	1.65
3	771	2.48
4	434	3.31
5	278	4.13

Solid Pure Ceiling

Light Source: LED Array 23W - 2747 lm - 3000K/CRI 80







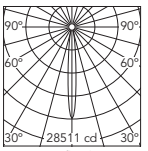
Spotlight to be installed on ceiling/ wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable
- 09.2894.30
- 09.2894.14

Dali Version
- 09.2894.30.DA
- 09.2894.14.DA

10° SPOT



Luminous flux luminaire
2276 lm

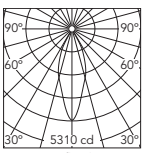
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	28511	0.18
2	7128	0.35
3	3168	0.53
4	1782	0.71
5	1140	0.88

Non Dimmable
- 09.2896.30
- 09.2896.14

Dali Version
- 09.2896.30.DA
- 09.2896.14.DA

35° FLOOD



Luminous flux luminaire
2075 lm

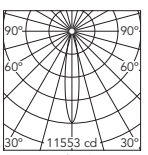
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	5310	0.64
2	1327	1.27
3	590	1.91
4	332	2.54
5	212	3.18

Non Dimmable
- 09.2895.30
- 09.2895.14

Dali Version
- 09.2895.30.DA
- 09.2895.14.DA

18° MEDIUM



Luminous flux luminaire
1917 lm

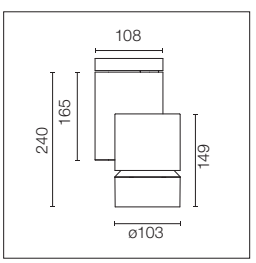
Beam Angle: 18°

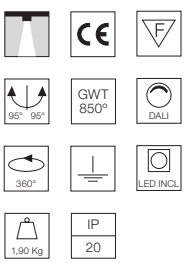
h(m)	E(lx)	D(m)
1	11553	0.31
2	2888	0.62
3	1284	0.93
4	722	1.24
5	462	1.55

Solid Pure Ceiling

Light Source: LED Array 30W - 3516 lm - 3000K/CRI 80 / 35W - 4321 lm - 3000K/CRI 80







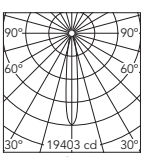
Spotlight to be installed on ceiling/ wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
30W - 3516 lm
Non Dimmable
- 09.2876.30
- 09.2876.14

Dali Version
- 09.2876.30.DA
- 09.2876.14.DA

14° SPOT



Luminous flux luminaire
2734 lm

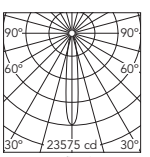
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	19403	0.25
2	4851	0.51
3	2156	0.76
4	1213	1.01
5	776	1.27

3000K - CRI 80
35W - 4321 lm
Non Dimmable
- 09.2956.30
- 09.2956.14

Dali Version
- 09.2956.30.DA
- 09.2956.14.DA

15° SPOT



Luminous flux luminaire
3474 lm

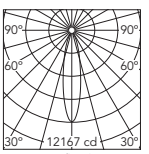
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	23575	0.26
2	5894	0.53
3	2619	0.79
4	1473	1.05
5	943	1.31

3000K - CRI 80
30W - 3516 lm
Non Dimmable
- 09.2877.30
- 09.2877.14

Dali Version
- 09.2877.30.DA
- 09.2877.14.DA

22° MEDIUM



Luminous flux luminaire
2799 lm

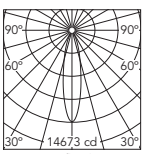
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12167	0.39
2	3042	0.79
3	1352	1.18
4	760	1.57
5	487	1.97

3000K - CRI 80
35W - 4321 lm
Non Dimmable
- 09.2957.30
- 09.2957.14

Dali Version
- 09.2957.30.DA
- 09.2957.14.DA

23° MEDIUM



Luminous flux luminaire
3443 lm

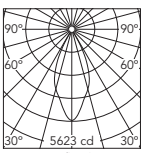
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	14673	0.40
2	3668	0.80
3	1630	1.20
4	917	1.59
5	587	1.99

3000K - CRI 80
30W - 3516 lm
Non Dimmable
- 09.2878.30
- 09.2878.14

Dali Version
- 09.2878.30.DA
- 09.2878.14.DA

44° FLOOD



Luminous flux luminaire
2662 lm

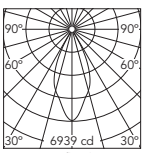
Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5623	0.80
2	1406	1.61
3	625	2.41
4	351	3.22
5	225	4.02

3000K - CRI 80
35W - 4321 lm
Non Dimmable
- 09.2958.30
- 09.2958.14

Dali Version
- 09.2958.30.DA
- 09.2958.14.DA

45° FLOOD



Luminous flux luminaire
3409 lm

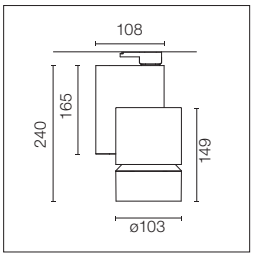
Beam Angle: 45°

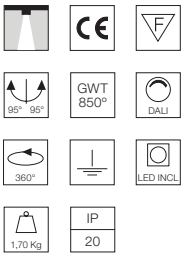
h(m)	E(lx)	D(m)
1	6939	0.83
2	1735	1.65
3	771	2.48
4	434	3.31
5	278	4.13

Solid Pure Track

Light Source: LED Array 23W - 2231 lm - 3000K/CRI 90





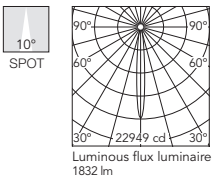


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable
- 09.2885.30
- 09.2885.14

Dali Version
- 09.2885.30.DA
- 09.2885.14.DA



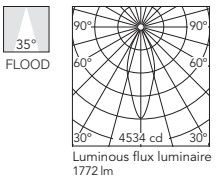
Luminous flux luminaire
1832 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	22949	0.18
2	5737	0.35
3	2550	0.53
4	1434	0.71
5	918	0.88

Non Dimmable
- 09.2887.30
- 09.2887.14

Dali Version
- 09.2887.30.DA
- 09.2887.14.DA



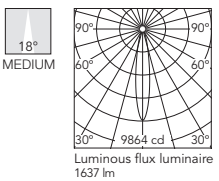
Luminous flux luminaire
1772 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	4534	0.64
2	1133	1.27
3	504	1.91
4	283	2.54
5	181	3.18

Non Dimmable
- 09.2886.30
- 09.2886.14

Dali Version
- 09.2886.30.DA
- 09.2886.14.DA



Luminous flux luminaire
1637 lm

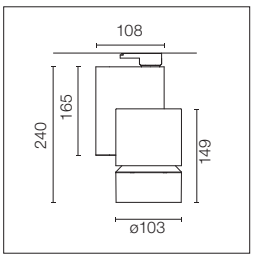
Beam Angle: 18°

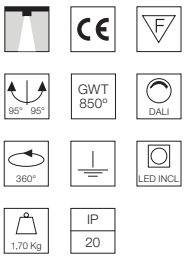
h(m)	E(lx)	D(m)
1	9864	0.31
2	2466	0.62
3	1096	0.93
4	616	1.24
5	395	1.55

Solid Pure Track

Light Source: LED Array 30W - 2855 lm - 3000K/CRI 90 / 35W - 3509 lm - 3000K/CRI 90





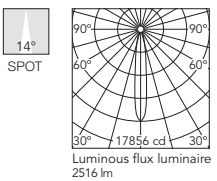


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 90
30W - 2855 lm
Non Dimmable
- 09.2997.30
- 09.2997.14

Dali Version
- 09.2997.30.DA
- 09.2997.14.DA



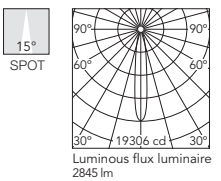
Luminous flux luminaire
2516 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	17856	0.25
2	4464	0.51
3	1984	0.76
4	1116	1.01
5	714	1.27

3000K - CRI 90
35W - 3509 lm
Non Dimmable
- 09.2991.30
- 09.2991.14

Dali Version
- 09.2991.30.DA
- 09.2991.14.DA



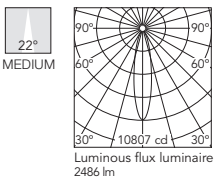
Luminous flux luminaire
2845 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	19306	0.26
2	4827	0.53
3	2145	0.79
4	1207	1.05
5	772	1.31

3000K - CRI 90
30W - 2855 lm
Non Dimmable
- 09.2998.30
- 09.2998.14

Dali Version
- 09.2998.30.DA
- 09.2998.14.DA



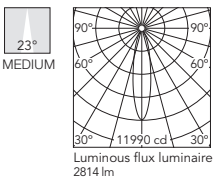
Luminous flux luminaire
2486 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	10807	0.39
2	2702	0.79
3	1201	1.18
4	675	1.57
5	432	1.97

3000K - CRI 90
35W - 3509 lm
Non Dimmable
- 09.2992.30
- 09.2992.14

Dali Version
- 09.2992.30.DA
- 09.2992.14.DA



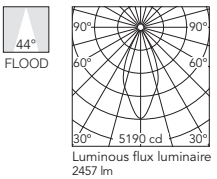
Luminous flux luminaire
2814 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	11990	0.40
2	2997	0.80
3	1332	1.20
4	749	1.59
5	480	1.99

3000K - CRI 90
30W - 2855 lm
Non Dimmable
- 09.2999.30
- 09.2999.14

Dali Version
- 09.2999.30.DA
- 09.2999.14.DA



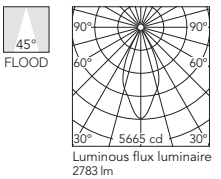
Luminous flux luminaire
2457 lm

Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5190	0.80
2	1298	1.61
3	577	2.41
4	324	3.22
5	208	4.02

3000K - CRI 90
35W - 3509 lm
Non Dimmable
- 09.2993.30
- 09.2993.14

Dali Version
- 09.2993.30.DA
- 09.2993.14.DA



Luminous flux luminaire
2783 lm

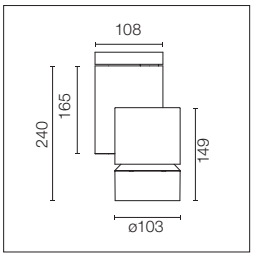
Beam Angle: 45°

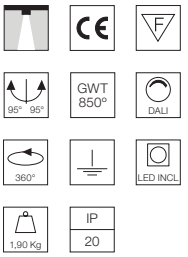
h(m)	E(lx)	D(m)
1	5665	0.83
2	1416	1.65
3	629	2.48
4	354	3.31
5	227	4.13

Solid Pure Ceiling

Light Source: LED Array 23W - 2231 lm - 3000K/CRI 90







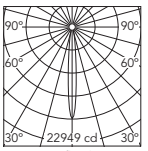
Spotlight to be installed on ceiling/ wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable
- 09.2891.30
- 09.2891.14

Dali Version
- 09.2891.30.DA
- 09.2891.14.DA

10° SPOT



Luminous flux luminaire
1832 lm

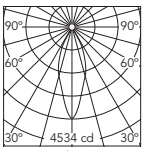
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	22949	0.18
2	5737	0.35
3	2550	0.53
4	1434	0.71
5	918	0.88

Non Dimmable
- 09.2893.30
- 09.2893.14

Dali Version
- 09.2893.30.DA
- 09.2893.14.DA

35° FLOOD



Luminous flux luminaire
1772 lm

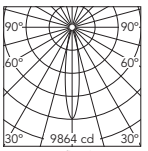
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	4534	0.64
2	1133	1.27
3	504	1.91
4	283	2.54
5	181	3.18

Non Dimmable
- 09.2892.30
- 09.2892.14

Dali Version
- 09.2892.30.DA
- 09.2892.14.DA

18° MEDIUM



Luminous flux luminaire
1637 lm

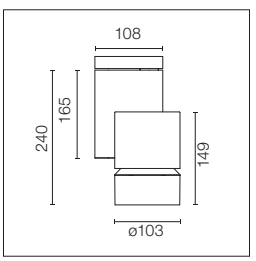
Beam Angle: 18°

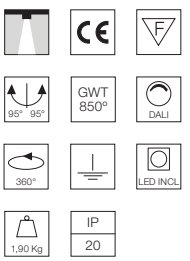
h(m)	E(lx)	D(m)
1	9864	0.31
2	2466	0.62
3	1096	0.93
4	616	1.24
5	395	1.55

Solid Pure Ceiling

Light Source: LED Array 30W - 2855 lm - 3000K/CRI 90 / 35W - 3509 lm - 3000K/CRI 90







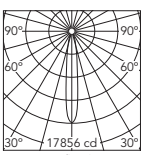
Spotlight to be installed on ceiling/ wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/ pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 90
30W - 2855 lm
Non Dimmable
- 09.2873.30
- 09.2873.14

Dali Version
- 09.2873.30.DA
- 09.2873.14.DA

14° SPOT



Luminous flux luminaire
2516 lm

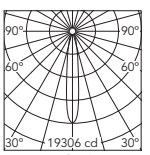
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	17856	0.25
2	4464	0.51
3	1984	0.76
4	1116	1.01
5	714	1.27

3000K - CRI 90
35W - 3509 lm
Non Dimmable
- 09.2994.30
- 09.2994.14

Dali Version
- 09.2994.30.DA
- 09.2994.14.DA

15° SPOT



Luminous flux luminaire
2845 lm

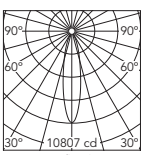
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	19306	0.26
2	4827	0.53
3	2145	0.79
4	1207	1.05
5	772	1.31

3000K - CRI 90
30W - 2855 lm
Non Dimmable
- 09.2874.30
- 09.2874.14

Dali Version
- 09.2874.30.DA
- 09.2874.14.DA

22° MEDIUM



Luminous flux luminaire
2486 lm

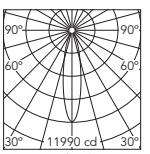
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	10807	0.39
2	2702	0.79
3	1201	1.18
4	675	1.57
5	432	1.97

3000K - CRI 90
35W - 3509 lm
Non Dimmable
- 09.2995.30
- 09.2995.14

Dali Version
- 09.2995.30.DA
- 09.2995.14.DA

23° MEDIUM



Luminous flux luminaire
2814 lm

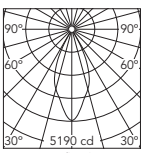
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	11990	0.40
2	2997	0.80
3	1332	1.20
4	749	1.59
5	480	1.99

3000K - CRI 90
30W - 2855 lm
Non Dimmable
- 09.2875.30
- 09.2875.14

Dali Version
- 09.2875.30.DA
- 09.2875.14.DA

44° FLOOD



Luminous flux luminaire
2457 lm

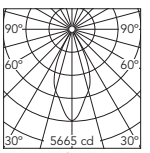
Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5190	0.80
2	1298	1.61
3	577	2.41
4	324	3.22
5	208	4.02

3000K - CRI 90
35W - 3509 lm
Non Dimmable
- 09.2996.30
- 09.2996.14

Dali Version
- 09.2996.30.DA
- 09.2996.14.DA

45° FLOOD



Luminous flux luminaire
2783 lm

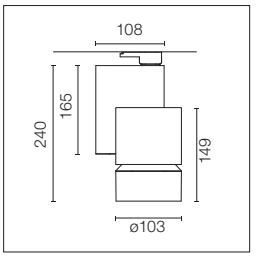
Beam Angle: 45°

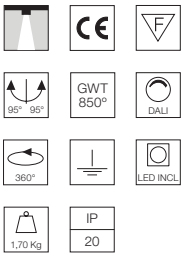
h(m)	E(lx)	D(m)
1	5665	0.83
2	1416	1.65
3	629	2.48
4	354	3.31
5	227	4.13

Solid Pure Track

Light Source: LED Array 23W - 2865 lm - 4000K/CRI 80







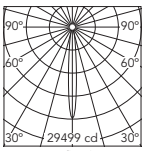
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable
- 09.2897.30
- 09.2897.14

Dali Version
- 09.2897.30.DA
- 09.2897.14.DA

10° SPOT



Luminous flux luminaire
2355 lm

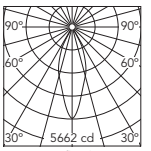
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	29499	0.18
2	7375	0.35
3	3278	0.53
4	1844	0.71
5	1180	0.88

Non Dimmable
- 09.2899.30
- 09.2899.14

Dali Version
- 09.2899.30.DA
- 09.2899.14.DA

35° FLOOD



Luminous flux luminaire
2213 lm

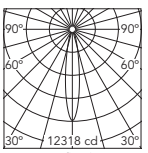
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	5662	0.64
2	1415	1.27
3	629	1.91
4	354	2.54
5	226	3.18

Non Dimmable
- 09.2898.30
- 09.2898.14

Dali Version
- 09.2898.30.DA
- 09.2898.14.DA

18° MEDIUM



Luminous flux luminaire
2044 lm

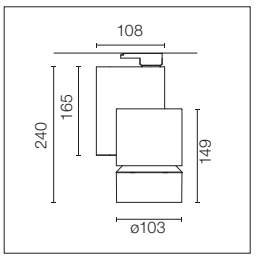
Beam Angle: 18°

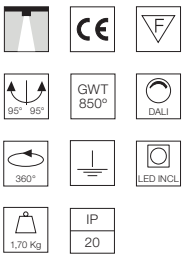
h(m)	E(lx)	D(m)
1	12318	0.31
2	3080	0.62
3	1369	0.93
4	770	1.24
5	493	1.55

Solid Pure Track

Light Source: LED Array 30W - 3667 lm - 4000K/CRI 80 / 35W - 4508 lm - 4000K/CRI 80







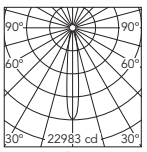
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

4000K - CRI 80
30W - 3667 lm
Non Dimmable
- 09.2879.30
- 09.2879.14

Dali Version
- 09.2879.30.DA
- 09.2879.14.DA

14° SPOT



Luminous flux luminaire
3239 lm

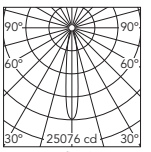
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	22983	0.25
2	5746	0.51
3	2554	0.76
4	1436	1.01
5	919	1.27

4000K - CRI 80
35W - 4508 lm
Non Dimmable
- 09.2959.30
- 09.2959.14

Dali Version
- 09.2959.30.DA
- 09.2959.14.DA

15° SPOT



Luminous flux luminaire
3695 lm

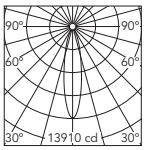
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	25076	0.26
2	6269	0.53
3	2786	0.79
4	1567	1.05
5	1003	1.31

4000K - CRI 80
30W - 3667 lm
Non Dimmable
- 09.2880.30
- 09.2880.14

Dali Version
- 09.2880.30.DA
- 09.2880.14.DA

22° MEDIUM



Luminous flux luminaire
3200 lm

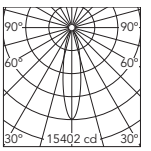
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	13910	0.39
2	3478	0.79
3	1546	1.18
4	869	1.57
5	556	1.97

4000K - CRI 80
35W - 4508 lm
Non Dimmable
- 09.2960.30
- 09.2960.14

Dali Version
- 09.2960.30.DA
- 09.2960.14.DA

23° MEDIUM



Luminous flux luminaire
3614 lm

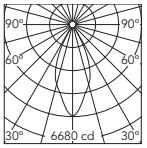
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	15402	0.40
2	3850	0.80
3	1711	1.20
4	963	1.59
5	616	1.99

4000K - CRI 80
30W - 3667 lm
Non Dimmable
- 09.2881.30
- 09.2881.14

Dali Version
- 09.2881.30.DA
- 09.2881.14.DA

44° FLOOD



Luminous flux luminaire
3162 lm

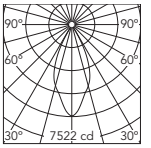
Beam Angle: 44°

h(m)	E(lx)	D(m)
1	6680	0.80
2	1670	1.61
3	742	2.41
4	418	3.22
5	267	4.02

4000K - CRI 80
35W - 4508 lm
Non Dimmable
- 09.2961.30
- 09.2961.14

Dali Version
- 09.2961.30.DA
- 09.2961.14.DA

45° FLOOD



Luminous flux luminaire
3695 lm

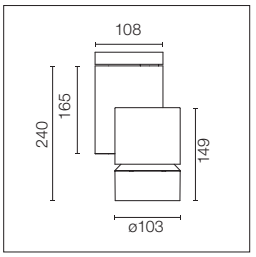
Beam Angle: 45°

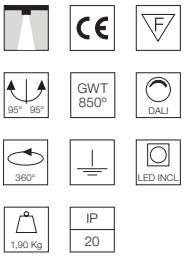
h(m)	E(lx)	D(m)
1	7522	0.83
2	1880	1.65
3	836	2.48
4	470	3.31
5	301	4.13

Solid Pure Ceiling

Light Source: LED Array 23W - 2865 lm - 4000K/CRI 80







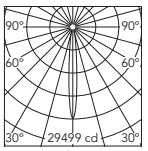
Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable
- 09.2865.30
- 09.2865.14

Dali Version
- 09.2865.30.DA
- 09.2865.14.DA

10° SPOT



Luminous flux luminaire
2355 lm

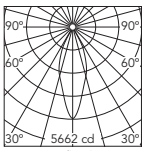
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	29499	0.18
2	7375	0.35
3	3278	0.53
4	1844	0.71
5	1180	0.88

Non Dimmable
- 09.2867.30
- 09.2867.14

Dali Version
- 09.2867.30.DA
- 09.2867.14.DA

35° FLOOD



Luminous flux luminaire
2213 lm

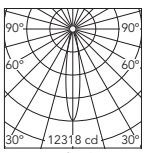
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	5662	0.64
2	1415	1.27
3	629	1.91
4	354	2.54
5	226	3.18

Non Dimmable
- 09.2866.30
- 09.2866.14

Dali Version
- 09.2866.30.DA
- 09.2866.14.DA

18° MEDIUM



Luminous flux luminaire
2044 lm

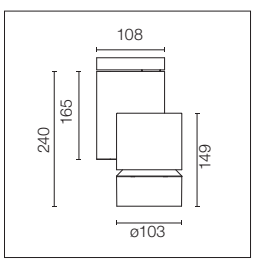
Beam Angle: 18°

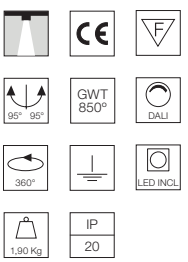
h(m)	E(lx)	D(m)
1	12318	0.31
2	3080	0.62
3	1369	0.93
4	770	1.24
5	493	1.55

Solid Pure Ceiling

Light Source: LED Array 30W - 3667 lm - 4000K/CRI 80 / 35W - 4508 lm - 4000K/CRI 80







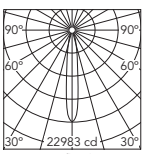
Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

4000K - CRI 80
30W - 3667 lm
Non Dimmable
- 09.2882.30
- 09.2882.14

Dali Version
- 09.2882.30.DA
- 09.2882.14.DA

14° SPOT



Luminous flux luminaire
3239 lm

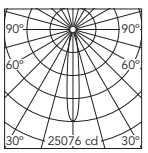
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	22983	0.25
2	5746	0.51
3	2554	0.76
4	1436	1.01
5	919	1.27

4000K - CRI 80
35W - 4508 lm
Non Dimmable
- 09.2962.30
- 09.2962.14

Dali Version
- 09.2962.30.DA
- 09.2962.14.DA

15° SPOT



Luminous flux luminaire
3695 lm

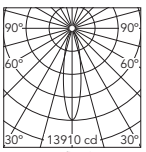
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	25076	0.26
2	6269	0.53
3	2786	0.79
4	1567	1.05
5	1003	1.31

4000K - CRI 80
30W - 3667 lm
Non Dimmable
- 09.2883.30
- 09.2883.14

Dali Version
- 09.2883.30.DA
- 09.2883.14.DA

22° MEDIUM



Luminous flux luminaire
3200 lm

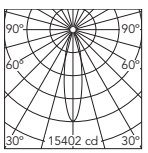
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	13910	0.39
2	3478	0.79
3	1546	1.18
4	869	1.57
5	556	1.97

4000K - CRI 80
35W - 4508 lm
Non Dimmable
- 09.2963.30
- 09.2963.14

Dali Version
- 09.2963.30.DA
- 09.2963.14.DA

23° MEDIUM



Luminous flux luminaire
3614 lm

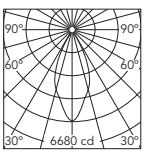
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	15402	0.40
2	3850	0.80
3	1711	1.20
4	963	1.59
5	616	1.99

4000K - CRI 80
30W - 3667 lm
Non Dimmable
- 09.2884.30
- 09.2884.14

Dali Version
- 09.2884.30.DA
- 09.2884.14.DA

44° FLOOD



Luminous flux luminaire
3162 lm

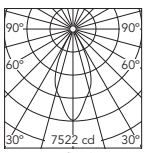
Beam Angle: 44°

h(m)	E(lx)	D(m)
1	6680	0.80
2	1670	1.61
3	742	2.41
4	418	3.22
5	267	4.02

4000K - CRI 80
35W - 4508 lm
Non Dimmable
- 09.2964.30
- 09.2964.14

Dali Version
- 09.2964.30.DA
- 09.2964.14.DA

45° FLOOD



Luminous flux luminaire
3695 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	7522	0.83
2	1880	1.65
3	836	2.48
4	470	3.31
5	301	4.13

Accessories / Accesorios

All accessories should always be used with the holding ring. This holding ring allows to use the spotlight with a “honeycomb” anti-glare screen or a color filter or both, a “honeycomb” + a color filter.

Todos los accesorios deben ser utilizados siempre con el aro soporte. Dicho aro soporte permite la instalación de un elemento apantallador tipo “nido de abeja”, de un filtro de color o de un elemento apantallador + un filtro de color.

Holding ring Aro soporte		08.8768.14

Honeycomb Honeycomb		08.8763.14
Blue filter Filtro azul		08.8766.64.OD
Sky blue filter Filtro celeste		08.8766.65.OD
Amber filter Filtro ámbar		08.8766.66.OD
Red filter Filtro rojo		08.8766.67.OD

PURE SPOT

DESIGNED BY KNUD HOLSCHER

PURE SPOT





PURE SPOT PRO





LIGHT SOURCE
LED ARRAY
17,5W
2115 lm
3000K/CRI 80

LIGHT SOURCE
POWER LED
15,7W
1400 lm
2700K/CRI 80
3000K/CRI 80

LIGHT SOURCE
PHOSPHOR
LED
19,5W
2000 lm
3000K/CRI 80
17W
1400 lm
3000K/CRI 98

☐ 30 White
30 Blanco

02 Grey
02 Gris

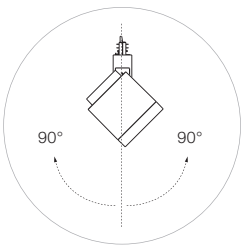
■ 14 Black
14 Negro

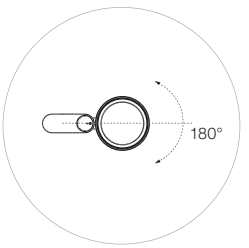






Can be rotated 180° and swivelled 180°.
Puede ser rotado 180° y orientado 180°.





reddot design award
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DESIGN PLUS

Description
Luminaire for ceiling or three-phase electric track installation.
Self-extinguishing ceramic or engineering plastic lamp holders, with single-pole, transparent electric wires with double Teflon insulation. Aluminum body, placed above the lamp holder, black thermoplastic and 4mm tempered glass screen-support ring. Die-cast aluminum alloy body, cover and adjustable lamp support, powder-coated white, grey or black. Thermoplastic three-phase adapter.

Reflectors
All super pure aluminum with specular finish.
Circular rotosymmetrical from 10° spot to 51° wide flood.

Power Supply
Electronic transformer with non-adjustable constant current 220/240V 50/60Hz.

Accessories
- 4mm tempered glass elliptical distribution lens.
- Honeycomb.
- Chromatic filters.

Additional Information
0° - 180° vertical rotation, 0° - 180° horizontal rotation.
Horizontal and vertical locking system.
IP20 protection grade.
Insulation class I.
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 and Eutrac. To verify compatibility with any other track, please contact FLOS before installation.

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

Descripción
Proyector para ser instalado a techo o a carril trifásico. Portalámparas cerámico o de tecnopolímero autoextinguible, con cables eléctricos unipolares aislados. Teflón con doble aislamiento transparente. Cuerpo para la lámpara constituido por un elemento disipador realizado en aluminio, colocado sobre el portalámparas, por un anillo que sostiene los reflectores realizado de material termoplástico de color negro y por un vidrio templado de 4mm de espesor. Cuerpo, tapa de cierre y soporte orientable de la lámpara son de aleación de aluminio inyectado a presión, con acabados en pintura polvo de color blanco, gris o negro. Adaptador trifásico incluido para la versión a carril.

Reflectores
Todas las ópticas están realizadas en aluminio superpuro con acabado especular.
Circular simétrico giratorio. Desde spot 10° hasta wide flood 51°.

Unidades de Alimentación
Transformador electrónico de corriente constante no regulable 220/240V-50/60Hz.

Accesorios
- Lente de distribución elíptica de vidrio templado de 4mm.
- Honeycomb.
- Filtros cromáticos.

Información Adicional
Posibilidad de rotación a 180° en el eje vertical, de 180° en el horizontal. Lámpara con sistema de bloqueo tanto horizontal como vertical.
Índice de protección IP20.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.
Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium y Eutrac. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

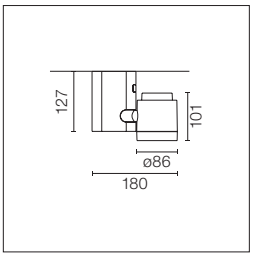
Ceiling

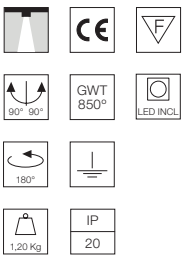
Track

Pure Spot Track

Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80





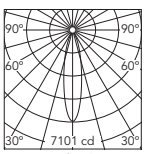


Spotlight to be installed on 3-phase track with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

09.2570.30A
09.2570.02A
09.2570.14A





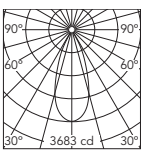
Luminous flux luminaire
1631 lm (EXTREME CUT OFF)

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7101	0.40
2	1775	0.80
3	789	1.21
4	444	1.61
5	284	2.01

09.2571.30A
09.2571.02A
09.2571.14A





Luminous flux luminaire
1633 lm (EXTREME CUT OFF)

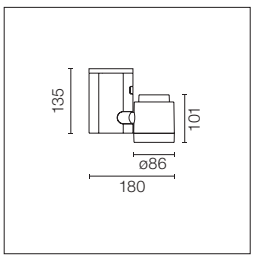
Beam Angle: 40°

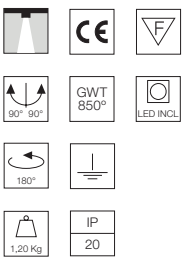
h(m)	E(lx)	D(m)
1	3683	0.72
2	921	1.44
3	409	2.16
4	230	2.88
5	147	3.60

Pure Spot Ceiling

Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80





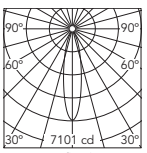


Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

09.2575.30A
09.2575.02A
09.2575.14A





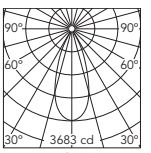
Luminous flux luminaire
1631 lm (EXTREME CUT OFF)

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7101	0.40
2	1775	0.80
3	789	1.21
4	444	1.61
5	284	2.01

09.2576.30A
09.2576.02A
09.2576.14A





Luminous flux luminaire
1633 lm (EXTREME CUT OFF)

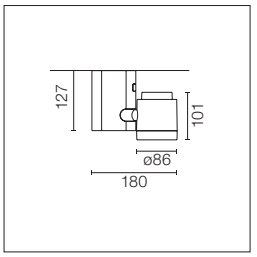
Beam Angle: 40°

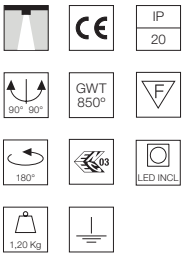
h(m)	E(lx)	D(m)
1	3683	0.72
2	921	1.44
3	409	2.16
4	230	2.88
5	147	3.60

Pure Spot Track

Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98



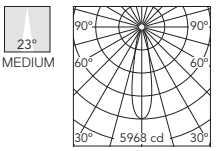




Spotlight to be installed on 3-phase track with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

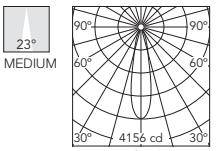
3000K - CRI 80
09.2410.30C
09.2410.02C
09.2410.14C



Luminous flux luminaire
1377 lm (EXTREME CUT OFF)

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	5968	0.41
2	1492	0.81
3	663	1.22
4	373	1.62
5	239	2.03

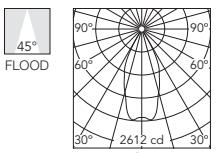
3000K - CRI 98
09.2400.30C
09.2400.02C
09.2400.14C



Luminous flux luminaire
965 lm (EXTREME CUT OFF)

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	4156	0.41
2	1039	0.81
3	462	1.22
4	260	1.63
5	166	2.04

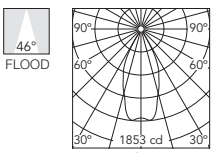
3000K - CRI 80
09.2411.30C
09.2411.02C
09.2411.14C



Luminous flux luminaire
1452 lm (EXTREME CUT OFF)

Beam Angle:	45°	
h(m)	E(lx)	D(m)
1	2612	0.84
2	653	1.68
3	290	2.51
4	163	3.35
5	104	4.19

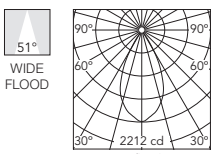
3000K - CRI 98
09.2401.30C
09.2401.02C
09.2401.14C



Luminous flux luminaire
1035 lm (EXTREME CUT OFF)

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	1853	0.85
2	463	1.70
3	206	2.54
4	116	3.39
5	74	4.24

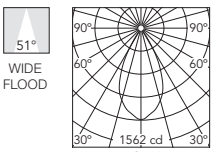
3000K - CRI 80
09.2412.30C
09.2412.02C
09.2412.14C



Luminous flux luminaire
1416 lm (EXTREME CUT OFF)

Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	2212	0.95
2	553	1.90
3	246	2.85
4	138	3.79
5	88	4.74

3000K - CRI 98
09.2402.30C
09.2402.02C
09.2402.14C



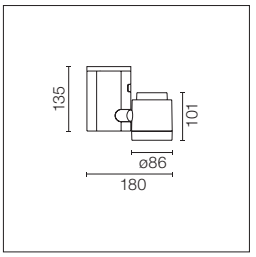
Luminous flux luminaire
1006 lm (EXTREME CUT OFF)

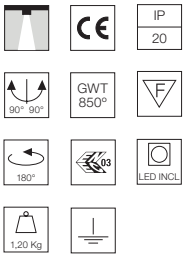
Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	1562	0.95
2	391	1.91
3	174	2.86
4	98	3.82
5	62	4.77

Pure Spot Ceiling

Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98





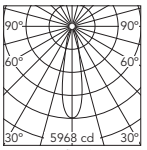


Spotlight to be installed on ceiling/ wall with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a techo/paredcon fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

3000K - CRI 80
09.2460.30C
09.2460.02C
09.2460.14C

23° MEDIUM

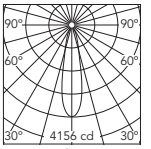


Luminous flux luminaire
1377 lm (EXTREME CUT OFF)

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	5968	0.41
2	1492	0.81
3	663	1.22
4	373	1.62
5	239	2.03

3000K - CRI 98
09.2450.30C
09.2450.02C
09.2450.14C

23° MEDIUM

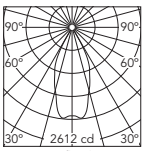


Luminous flux luminaire
965 lm (EXTREME CUT OFF)

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	4156	0.41
2	1039	0.81
3	462	1.22
4	260	1.63
5	166	2.04

3000K - CRI 80
09.2461.30C
09.2461.02C
09.2461.14C

45° FLOOD

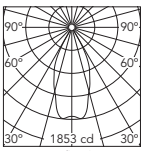


Luminous flux luminaire
1452 lm (EXTREME CUT OFF)

Beam Angle:	45°	
h(m)	E(lx)	D(m)
1	2612	0.84
2	653	1.68
3	290	2.51
4	163	3.35
5	104	4.19

3000K - CRI 98
09.2451.30C
09.2451.02C
09.2451.14C

46° FLOOD

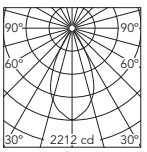


Luminous flux luminaire
1035 lm (EXTREME CUT OFF)

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	1853	0.85
2	463	1.70
3	206	2.54
4	116	3.39
5	74	4.24

3000K - CRI 80
09.2462.30C
09.2462.02C
09.2462.14C

51° WIDE FLOOD

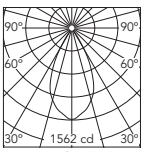


Luminous flux luminaire
1416 lm (EXTREME CUT OFF)

Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	2212	0.95
2	553	1.90
3	246	2.85
4	138	3.79
5	88	4.74

3000K - CRI 98
09.2452.30C
09.2452.02C
09.2452.14C

51° WIDE FLOOD



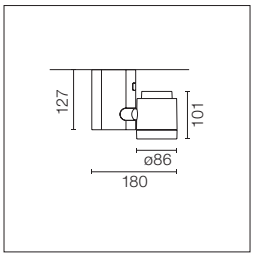
Luminous flux luminaire
1006 lm (EXTREME CUT OFF)

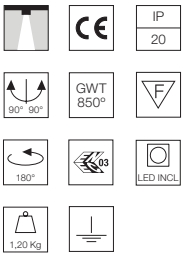
Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	1562	0.95
2	391	1.91
3	174	2.86
4	98	3.82
5	62	4.77

Pure Spot Track

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80





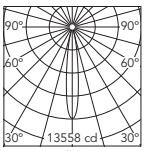


Spotlight to be installed on 3-phase track with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80
09.2405.30B
09.2405.02B
09.2405.14B

15° SPOT

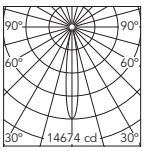


Luminous flux luminaire
1395 lm (EXTREME CUT OFF)

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

3000K - CRI 80
09.2415.30B
09.2415.02B
09.2415.14B

15° SPOT

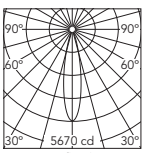


Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

2700K - CRI 80
09.2406.30B
09.2406.02B
09.2406.14B

22° MEDIUM

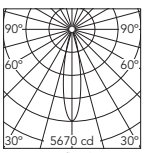


Luminous flux luminaire
1318 lm (EXTREME CUT OFF)

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

3000K - CRI 80
09.2416.30B
09.2416.02B
09.2416.14B

22° MEDIUM

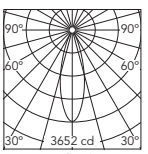


Luminous flux luminaire
1318 lm (EXTREME CUT OFF)

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

2700K - CRI 80
09.2407.30B
09.2407.02B
09.2407.14B

30° FLOOD

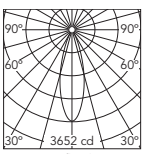


Luminous flux luminaire
1257 lm (EXTREME CUT OFF)

Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

3000K - CRI 80
09.2417.30B
09.2417.02B
09.2417.14B

30° FLOOD



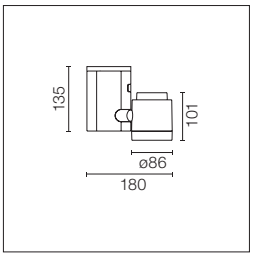
Luminous flux luminaire
1257 lm (EXTREME CUT OFF)

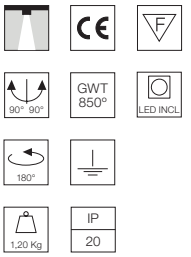
Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

Pure Spot Ceiling

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80





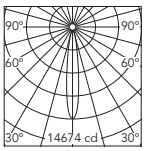


Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80
09.2455.30B
09.2455.02B
09.2455.14B

15° SPOT

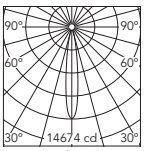


Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

Beam Angle:	15°
h(m) E(lx)	D(m)
1 14674	0.26
2 3668	0.52
3 1630	0.78
4 917	1.04
5 587	1.30

3000K - CRI 80
09.2465.30B
09.2465.02B
09.2465.14B

15° SPOT

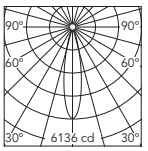


Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

Beam Angle:	15°
h(m) E(lx)	D(m)
1 14674	0.26
2 3668	0.52
3 1630	0.78
4 917	1.04
5 587	1.30

2700K - CRI 80
09.2456.30B
09.2456.02B
09.2456.14B

22° MEDIUM

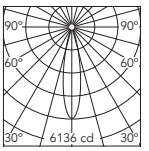


Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m) E(lx)	D(m)
1 6136	0.38
2 1534	0.77
3 682	1.15
4 384	1.54
5 245	1.92

3000K - CRI 80
09.2466.30B
09.2466.02B
09.2466.14B

22° MEDIUM

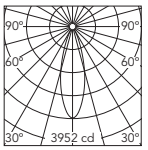


Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m) E(lx)	D(m)
1 6136	0.38
2 1534	0.77
3 682	1.15
4 384	1.54
5 245	1.92

2700K - CRI 80
09.2457.30B
09.2457.02B
09.2457.14B

30° FLOOD

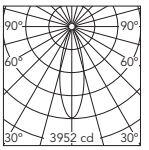


Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

Beam Angle:	30°
h(m) E(lx)	D(m)
1 3952	0.54
2 988	1.09
3 439	1.63
4 247	2.18
5 158	2.72

3000K - CRI 80
09.2467.30B
09.2467.02B
09.2467.14B

30° FLOOD



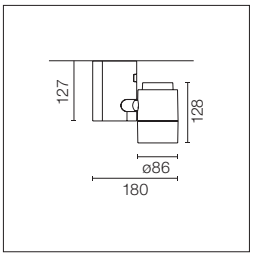
Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

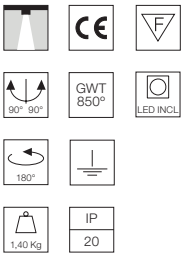
Beam Angle:	30°
h(m) E(lx)	D(m)
1 3952	0.54
2 988	1.09
3 439	1.63
4 247	2.18
5 158	2.72

Pure Spot Pro Track

Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80





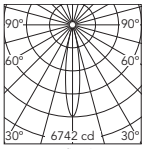


Spotlight to be installed on 3-phase track with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

09.2580.30A
09.2580.02A
09.2580.14A

18° SPOT

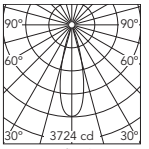


Luminous flux luminaire
809 lm (EXTREME CUT OFF)

Beam Angle:	18°
h(m) E(lx)	D(m)
1 6742	0.31
2 1685	0.62
3 749	0.94
4 421	1.25
5 270	1.56

09.2581.30A
09.2581.02A
09.2581.14A

28° MEDIUM



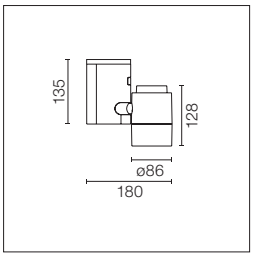
Luminous flux luminaire
835 lm (EXTREME CUT OFF)

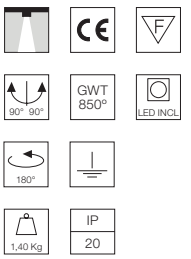
Beam Angle:	28°
h(m) E(lx)	D(m)
1 3724	0.49
2 931	0.99
3 414	1.48
4 233	1.97
5 149	2.47

Pure Spot Pro Ceiling

Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80



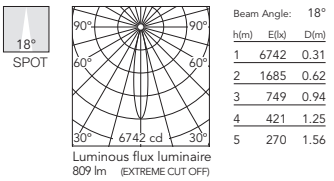




Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

- 09.2585.30A
- 09.2585.02A
- 09.2585.14A

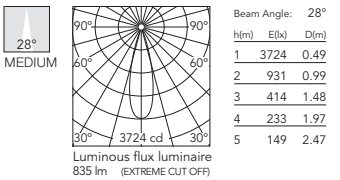


Luminous flux luminaire
809 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	6742	0.31
2	1685	0.62
3	749	0.94
4	421	1.25
5	270	1.56

- 09.2586.30A
- 09.2586.02A
- 09.2586.14A



Luminous flux luminaire
835 lm (EXTREME CUT OFF)

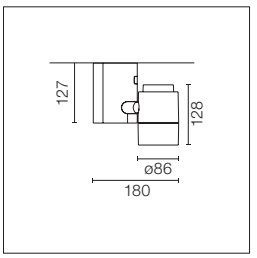
Beam Angle: 28°

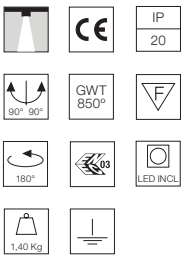
h(m)	E(lx)	D(m)
1	3724	0.49
2	931	0.99
3	414	1.48
4	233	1.97
5	149	2.47

Pure Spot Pro Track

Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98



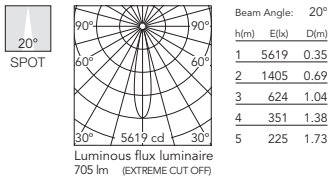




Spotlight to be installed on 3-phase track with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

3000K - CRI 80
- 09.2430.30C
- 09.2430.02C
- 09.2430.14C

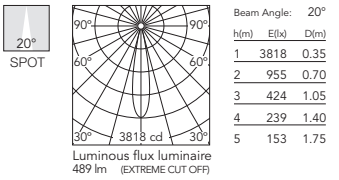


Luminous flux luminaire
705 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5619	0.35
2	1405	0.69
3	624	1.04
4	351	1.38
5	225	1.73

3000K - CRI 98
- 09.2420.30C
- 09.2420.02C
- 09.2420.14C

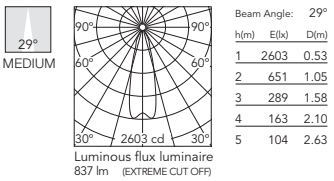


Luminous flux luminaire
489 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	3818	0.35
2	955	0.70
3	424	1.05
4	239	1.40
5	153	1.75

3000K - CRI 80
- 09.2431.30C
- 09.2431.02C
- 09.2431.14C

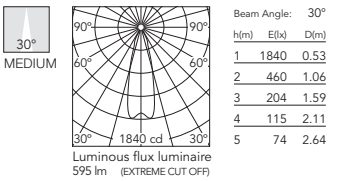


Luminous flux luminaire
837 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2603	0.53
2	651	1.05
3	289	1.58
4	163	2.10
5	104	2.63

3000K - CRI 98
- 09.2421.30C
- 09.2421.02C
- 09.2421.14C

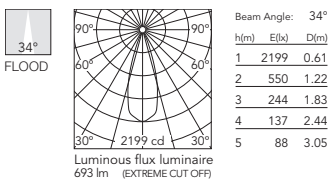


Luminous flux luminaire
595 lm (EXTREME CUT OFF)

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1840	0.53
2	460	1.06
3	204	1.59
4	115	2.11
5	74	2.64

3000K - CRI 80
- 09.2432.30C
- 09.2432.02C
- 09.2432.14C

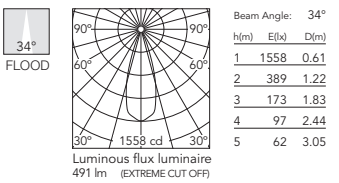


Luminous flux luminaire
693 lm (EXTREME CUT OFF)

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2199	0.61
2	550	1.22
3	244	1.83
4	137	2.44
5	88	3.05

3000K - CRI 98
- 09.2422.30C
- 09.2422.02C
- 09.2422.14C



Luminous flux luminaire
491 lm (EXTREME CUT OFF)

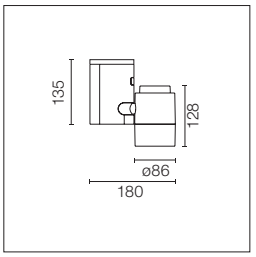
Beam Angle: 34°

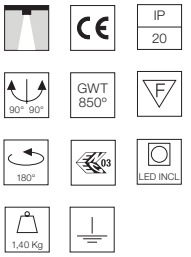
h(m)	E(lx)	D(m)
1	1558	0.61
2	389	1.22
3	173	1.83
4	97	2.44
5	62	3.05

Pure Spot Pro Ceiling

Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98





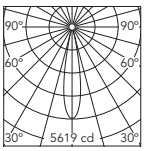


Spotlight to be installed on ceiling/ wall with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

3000K - CRI 80
09.2480.30C
09.2480.02C
09.2480.14C

20° SPOT



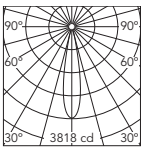
Luminous flux luminaire
705 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5619	0.35
2	1405	0.69
3	624	1.04
4	351	1.38
5	225	1.73

3000K - CRI 98
09.2470.30C
09.2470.02C
09.2470.14C

20° SPOT



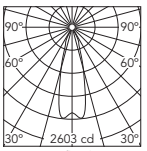
Luminous flux luminaire
489 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	3818	0.35
2	955	0.70
3	424	1.05
4	239	1.40
5	153	1.75

3000K - CRI 80
09.2481.30C
09.2481.02C
09.2481.14C

29° MEDIUM



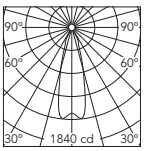
Luminous flux luminaire
837 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2603	0.53
2	651	1.05
3	289	1.58
4	163	2.10
5	104	2.63

3000K - CRI 98
09.2471.30C
09.2471.02C
09.2471.14C

30° MEDIUM



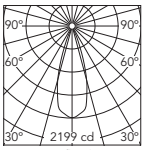
Luminous flux luminaire
595 lm (EXTREME CUT OFF)

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1840	0.53
2	460	1.06
3	204	1.59
4	115	2.11
5	74	2.64

3000K - CRI 80
09.2482.30C
09.2482.02C
09.2482.14C

34° FLOOD



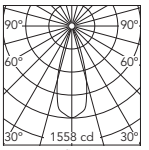
Luminous flux luminaire
693 lm (EXTREME CUT OFF)

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2199	0.61
2	550	1.22
3	244	1.83
4	137	2.44
5	88	3.05

3000K - CRI 98
09.2472.30C
09.2472.02C
09.2472.14C

34° FLOOD



Luminous flux luminaire
491 lm (EXTREME CUT OFF)

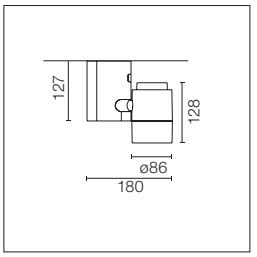
Beam Angle: 34°

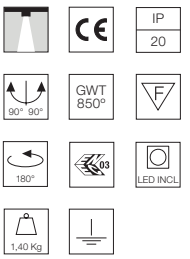
h(m)	E(lx)	D(m)
1	1558	0.61
2	389	1.22
3	173	1.83
4	97	2.44
5	62	3.05

Pure Spot Pro Track

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80





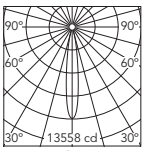


Spotlight to be installed on 3-phase track with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80
09.2425.30B
09.2425.02B
09.2425.14B

15° SPOT

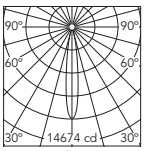


Luminous flux luminaire
1395 lm (EXTREME CUT OFF)

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

3000K - CRI 80
09.2435.30B
09.2435.02B
09.2435.14B

15° SPOT

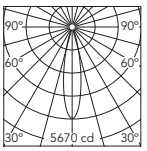


Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

2700K - CRI 80
09.2426.30B
09.2426.02B
09.2426.14B

22° MEDIUM

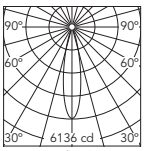


Luminous flux luminaire
1318 lm (EXTREME CUT OFF)

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

3000K - CRI 80
09.2436.30B
09.2436.02B
09.2436.14B

22° MEDIUM

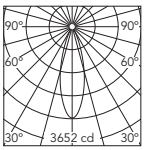


Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

2700K - CRI 80
09.2427.30B
09.2427.02B
09.2427.14B

30° FLOOD

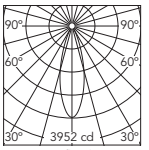


Luminous flux luminaire
1257 lm (EXTREME CUT OFF)

Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

3000K - CRI 80
09.2437.30B
09.2437.02B
09.2437.14B

30° FLOOD



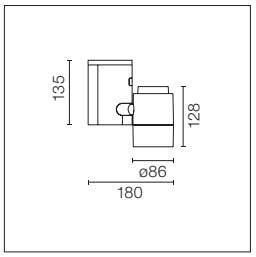
Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

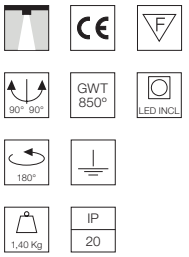
Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

Pure Spot Pro Ceiling

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80





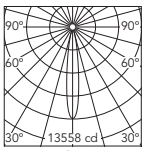


Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/ pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80
09.2475.30B
09.2475.02B
09.2475.14B

15° SPOT

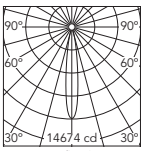


Luminous flux luminaire
1395 lm (EXTREME CUT OFF)

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

3000K - CRI 80
09.2485.30B
09.2485.02B
09.2485.14B

15° SPOT

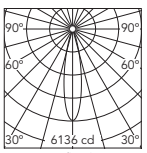


Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

2700K - CRI 80
09.2476.30B
09.2476.02B
09.2476.14B

22° MEDIUM

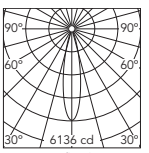


Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

3000K - CRI 80
09.2486.30B
09.2486.02B
09.2486.14B

22° MEDIUM

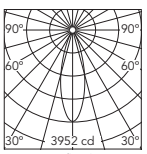


Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

2700K - CRI 80
09.2477.30B
09.2477.02B
09.2477.14B

30° FLOOD

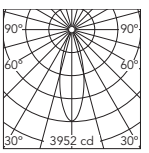


Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

3000K - CRI 80
09.2487.30B
09.2487.02B
09.2487.14B

30° FLOOD



Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

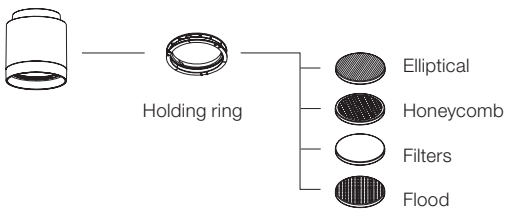
Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

Accessories / Accesorios

Pure Spot

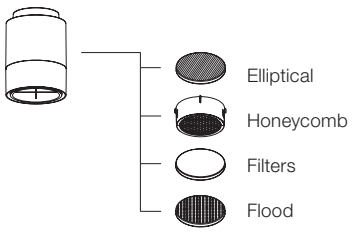
Elliptical lens, honeycomb filter, different filters and flood lens, must always be used with the holding ring.

Lente de distribución elíptica, elemento apantallador, los diferentes filtros y la lente flood deben ser utilizados siempre con el aro soporte.



Holding ring Aro soporte		08.8166.14
Honeycomb Honeycomb		08.8169.14

Pure Spot Pro



Honeycomb Honeycomb		08.8186.14

Pure Spot / Pure Spot Pro

Elliptical lens Lente elíptica		08.8163.68
Flood lens Lente flood		08.8175.68
Blue filter Filtro azul		08.8160.64.OD
Sky blue filter Filtro celeste		08.8160.65.OD
Amber filter Filtro ámbar		08.8160.66.OD
Red filter Filtro rojo		08.8160.67.OD
U.V. filter Filtro anti U.V.		08.8160.98.OD
I.R. filter Filtro anti I.R.		08.8160.68
Hot light Hot light		08.8160.69
Cold light Cold light		08.8160.CL
Daylight Daylight		08.8160.DL
Neodimium Neodimium		08.8160.ND
Pure Spot external ring accessory PRO. Only for halogen lamps. Consult for LED version. Aro exterior PRO para Pure Spot. Solo para versiones de halógenos. Consultar para versión LED.		08.8232.30 08.8232.02 08.8232.14

WAN SPOT

DESIGNED BY JOHANNA GRAWUNDER



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80



LIGHT SOURCE
LED
QT-14
G9

30 White
30 Blanco

05 Polished Aluminium
05 Aluminio Pulido

14 Black
14 Negro

GN Green
GN Verde

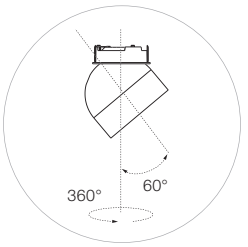








Can be rotated 360° and swivelled 60°.
Puede ser rotado 360° y orientado 60°.



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.

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.

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

Descripción
Luminaria de luz directa para ser instalada a techo o pared. Cuerpo de aluminio disponible en acabado pulido, blanco brillante, verde esmaltado y negro brillante.
Incorpora cono antideslumbramiento.
El producto lleva incorporados dos aros interiores intercambiables, que sujetan el cristal templado y el reflector, en negro brillante o verde esmaltado.

Reflectores
Reflector de aluminio tratado con chorro de arena y blanqueado químicamente.

Unidades de Alimentación
Luminaria precableada para ser alimentada mediante equipo remoto.

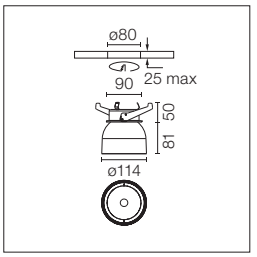
Información Adicional
Rotación en el eje vertical de hasta 360° y orientación hasta 60°.
Índice de protección IP20.
Clase de aislamiento II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

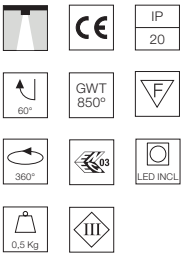
Cumplimiento de Normativa y Marcas de Calidad
Equipo conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Wan Spot

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80







Spotlight to be installed recessed on ceiling/wall. Power supply not included.

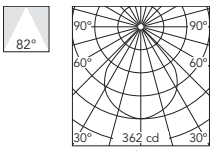
Proyector para ser instalado empotrado en pared o techo. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 03.6174.30A
- 03.6174.05A
- 03.6174.14A
- 03.6174.GNA



Luminous flux luminaire
505 lm

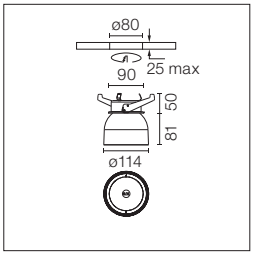
Beam Angle: 82°

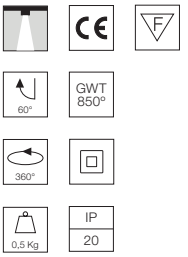
h(m)	E(lx)	D(m)
1	362	1.75
2	91	3.50
3	40	5.25
4	23	7.00
5	14	8.75

Wan Spot

Light Source: LED QT-14 G9



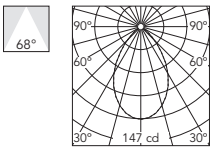




Spotlight to be installed recessed on ceiling/wall with main voltage source.

Proyector para ser instalado empotrado en pared o techo, con alimentación directa a red.

- 03.6170.30
- 03.6170.05
- 03.6170.14
- 03.6170.GN

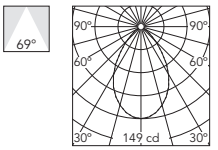


Luminous flux luminaire
460 lm

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

@Black Ring



Luminous flux luminaire
460 lm

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

@Green Ring

FORT KNOX

DESIGNED BY PHILIPPE STARCK

TRACK / CEILING





LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80
13,8W
1474 lm
3000K/CRI 80

☐ 30 White/RAL 9001
30 Blanco



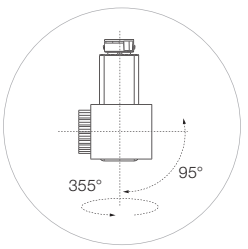
05 Polished Aluminium
05 Aluminio Pulido



■ 14 Black/RAL 9005
14 Negro



Can be rotated 355° and swivelled 95°.
Puede ser rotado 355° y orientado 95°.



Description
Luminaire for ceiling or three-phase electric track installation.
Self-extinguishing ceramic or engineering plastic lamp holders, with single-pole, transparent electric wires with double Teflon insulation. Aluminum body, placed above the lamp holder, black thermoplastic and 4mm tempered glass screen-support ring. Die-cast aluminum alloy body, cover and adjustable lamp support, with hand-polished finish and protected with transparent liquid paint, or powder-coated white or matt black. Thermoplastic three-phase adapter.

Power Supply
Power units built into the main body of the luminaire.
For three-phase track applications, disc with clockwise and anti-clockwise rotation for spotlight selection.
Release lever to insert adapter.

Accessories
- 4 mm tempered glass elliptical distribution lens.
- Chromatic filters.

Additional Information
0° - 355° vertical rotation, + 0° - 95° horizontal adjustment.
IP20 protection grade.
Insulation class I, III depending on the versions.
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 and Eutrac. To verify compatibility with any other track, please contact FLOS before installation.

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

Descripción
Proyector para ser instalado a techo o a carril trifásico.
Portalámparas cerámico o de tecnopolímero autoextinguible, con cables eléctricos unipolares aislados Teflón con doble aislamiento transparente. Cuerpo para la lámpara constituido por un elemento disipador realizado en aluminio, colocado sobre el portalámparas, por un anillo que sostiene los reflectores realizado de material termoplástico de color negro y por un vidrio templado de 4mm de espesor. Cuerpo, tapa de cierre y soporte orientable de la lámpara son de aleación de aluminio inyectado a presión, con acabados pulidos a mano y protegidos por pintura líquida transparente o barniz en polvo de color blanco o negro opaco. Adaptador trifásico incluido para la versión a carril.

Unidades de Alimentación
Los dispositivos para la alimentación de las fuentes de luz están integrados en el cuerpo principal del proyector.
Para las aplicaciones en carril trifásico, la lámpara cuenta con disco de selección giratorio, hacia la derecha o hacia la izquierda, que permite seleccionar la línea a la cual conectar eléctricamente el proyector.
Palanca de desbloqueo que permite la introducción del adaptador.

Accesorios
- Lente de distribución elíptica de vidrio templado de 4 mm.
- Filtros cromáticos.

Información Adicional
Posibilidad de rotación a 355° en el eje vertical, + 0° - 95° de orientación horizontal.
Índice de protección IP20.
Clase de aislamiento I, II, según las versiones.
Instalable sobre superficies normalmente inflamables.
Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium y Eutrac. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.

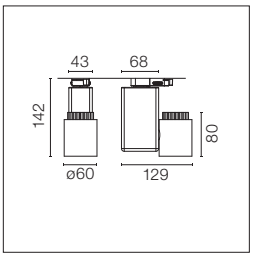
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

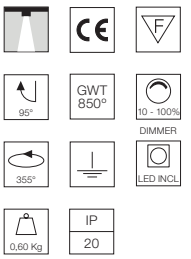
Ceiling Track

Fort Knox Track

Light Source: LED Array 9,2W - 945 lm - 3000K/CRI 80 / 13,8W- 1474 lm - 3000K/CRI 80





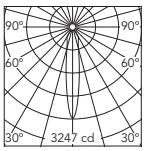


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
9,2W
Non Dimmable
09.2150.30A
09.2150.05A
09.2150.14A

17° SPOT



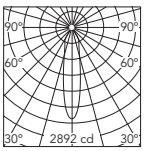
Luminous flux luminaire
834 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3247	0.30
2	812	0.59
3	361	0.89
4	203	1.19
5	130	1.49

3000K - CRI 80
13,8W
Built-In Potentiometer
09.2160.30A
09.2160.05A
09.2160.14A

22° SPOT



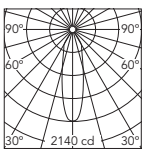
Luminous flux luminaire
940 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2892	0.38
2	723	0.76
3	322	1.14
4	180	1.53
5	116	1.91

3000K - CRI 80
9,2W
Non Dimmable
09.2151.30A
09.2151.05A
09.2151.14A

27° MEDIUM



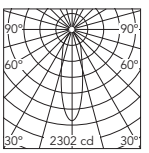
Luminous flux luminaire
860 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2140	0.48
2	535	0.97
3	238	1.45
4	134	1.94
5	86	2.42

3000K - CRI 80
13,8W
Built-In Potentiometer
09.2161.30A
09.2161.05A
09.2161.14A

27° MEDIUM



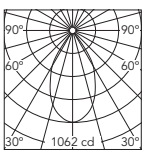
Luminous flux luminaire
942 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2302	0.49
2	575	0.98
3	256	1.47
4	144	1.95
5	92	2.44

3000K - CRI 80
9,2W
Non Dimmable
09.2152.30A
09.2152.05A
09.2152.14A

57° WIDE FLOOD



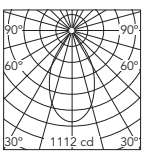
Luminous flux luminaire
831 lm

Beam Angle: 57°

h(m)	E(lx)	D(m)
1	1062	1.08
2	266	2.16
3	118	3.24
4	66	4.32
5	42	5.40

3000K - CRI 80
13,8W
Built-In Potentiometer
09.2162.30A
09.2162.05A
09.2162.14A

57° WIDE FLOOD



Luminous flux luminaire
886 lm

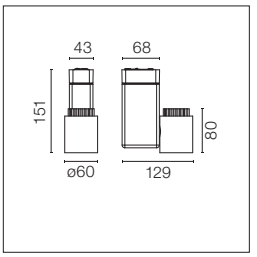
Beam Angle: 57°

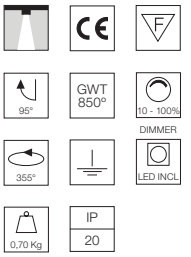
h(m)	E(lx)	D(m)
1	1112	1.09
2	278	2.18
3	124	3.27
4	69	4.36
5	44	5.45

Fort Knox Ceiling

Light Source: LED Array 9,2W - 945 lm - 3000K/CRI 80 / 13,8W- 1474 lm - 3000K/CRI 80





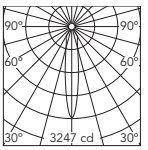


Spotlight to be installed on ceiling/ wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
9,2W
Non Dimmable
09.2155.30A
09.2155.05A
09.2155.14A

17° SPOT



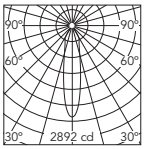
Luminous flux luminaire
834 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3247	0.30
2	812	0.59
3	361	0.89
4	203	1.19
5	130	1.49

3000K - CRI 80
13,8W
Built-In Potentiometer
09.2165.30A
09.2165.05A
09.2165.14A

22° SPOT



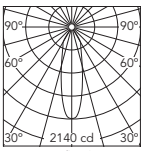
Luminous flux luminaire
940 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2892	0.38
2	723	0.76
3	322	1.14
4	180	1.53
5	116	1.91

3000K - CRI 80
9,2W
Non Dimmable
09.2156.30A
09.2156.05A
09.2156.14A

27° MEDIUM



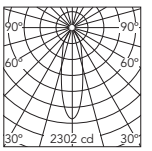
Luminous flux luminaire
860 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2140	0.48
2	535	0.97
3	238	1.45
4	134	1.94
5	86	2.42

3000K - CRI 80
13,8W
Built-In Potentiometer
09.2166.30A
09.2166.05A
09.2166.14A

27° MEDIUM



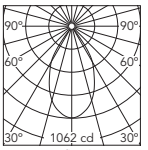
Luminous flux luminaire
942 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2302	0.49
2	575	0.98
3	256	1.47
4	144	1.95
5	92	2.44

3000K - CRI 80
9,2W
Non Dimmable
09.2157.30A
09.2157.05A
09.2157.14A

57° WIDE FLOOD



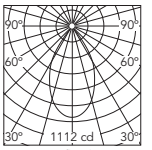
Luminous flux luminaire
831 lm

Beam Angle: 57°

h(m)	E(lx)	D(m)
1	1062	1.08
2	266	2.16
3	118	3.24
4	66	4.32
5	42	5.40

3000K - CRI 80
13,8W
Built-In Potentiometer
09.2167.30A
09.2167.05A
09.2167.14A

57° WIDE FLOOD



Luminous flux luminaire
886 lm

Beam Angle: 57°

h(m)	E(lx)	D(m)
1	1112	1.09
2	278	2.18
3	124	3.27
4	69	4.36
5	44	5.45

Accessories / Accesorios

Honeycomb Honeycomb		08.8502.14
Blue filter Filtro azul		08.8501.64.OD
Sky blue filter Filtro celeste		08.8501.65.OD
Amber filter Filtro ámbar		08.8501.66.OD
Red filter Filtro rojo		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

CEILING / WALL

C1, UT Pro Surface, Kap Surface&
Suspension, Compass Box, Super Line&Pro,
Super Flat, Light Bell, Fort Knox
Wall&Mini, Thin LED, Wall System, 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

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

DY White
DY Blanco



DR Anthracite
DR Antracita



EQ Brushed Copper
EQ Cobre Cepillado



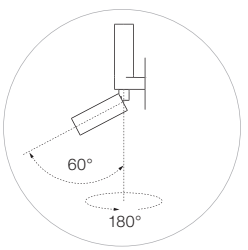
ER Brushed Steel
ER Acero Cepillado



ES Brushed Bronze
ES Bronce Cepillado

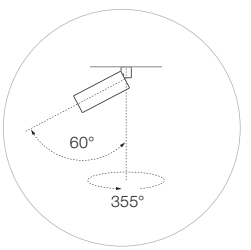


Can be rotated 180° and swivelled 60°.
Puede ser rotado 180° y orientado 60°.



Wall

Can be rotated 355° and swivelled 60°.
Puede ser rotado 355° y orientado 60°.



Ceiling

NEW

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 60º on the vertical axis and on the horizontal axis (355º in the ceiling version and 140º 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.

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.

Standard Compliance and Quality Marks
EN60598N/D European Technical Standards and any subsequent additions.

Descripción
Nuevo programa de luminarias para instalación en pared y techo desarrollado a medida para aplicaciones residenciales o de hostelería.
El diseño extremadamente minimalista del producto esconde una conexión mecánica especial integrada que permite extraer y orientar el cuerpo de la luminaria hasta 60º en el eje vertical y en el eje horizontal (355º para la versión de techo y 140º para la versión de pared), garantizando una impresionante versatilidad, perfecta para satisfacer las necesidades de cualquier proyecto.
Las versiones desarrolladas para instalación en pared están disponibles con emisión simple o doble.

Grupo Óptico
Grupo óptico con un elevado confort visual en el cuerpo del producto, disponible con aperturas de haz diferenciadas.
La luminaria está preparada para proporcionar una emisión de luz difusa o una distribución más concentrada, perfecta para iluminación de acento o puntual para la lectura en aplicaciones para cabecero de cama.
Los modelos de doble emisión incluyen una pantalla difusora como accesorio que se puede integrar en el grupo óptico dando como resultado un efecto de luz suave.

Unidades de Alimentación
Todos los aparatos deben ser alimentados mediante un controlador remoto no incluido, disponible con varias alternativas de control.

Sistema de Regulación
Los aparatos pueden ser controlados mediante 0/1-10V, DALI, Push Dimming y Casambi. Sistema de control broadcast. En los aparatos con doble emisión se pueden controlar las emisiones directa e indirecta de manera independiente.

Instalación
El producto está preparado para ser instalado sobre diferentes tipos de superficies.
Todos los productos se completan con un kit de montaje específico para la instalación No Trim o con placa. La instalación No Trim sólo es compatible con superficies en pladur con un grosor mínimo de 9 mm y máximo de 25 mm.
La instalación con placa permite realizar la conexión eléctrica en el interior del soporte en superficie.

Información Adicional
Sistema eléctrico controlado en tensión constante.
Índice de protección IP20.
Apto para instalación en superficies normalmente inflamables.

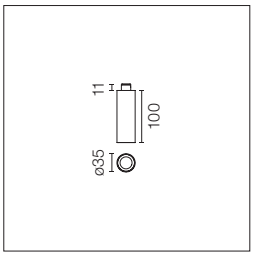
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598N/D y partes segundas.

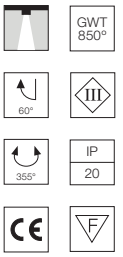
NEW

Mono Spot Ceiling Small Ø35

Light Source: Power LED DC 500 mA - 6W - 510 lm - 2700K/CRI 90 / 6W - 560 lm - 3000K/CRI 90







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.

Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 355° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

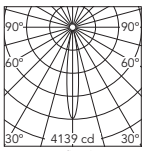
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1220.DY
- 03.1220.DR
- 03.1220.EQ
- 03.1220.ER
- 03.1220.ES

15° SPOT



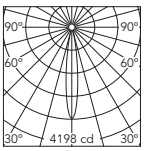
Luminous flux luminaire 376 lm

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



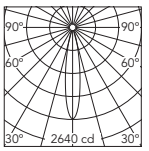
Luminous flux luminaire 382 lm

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



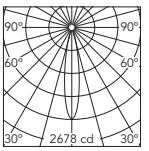
Luminous flux luminaire 368 lm

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

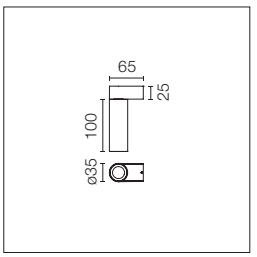
Beam Angle: 18°

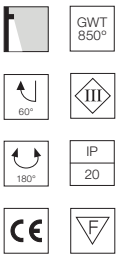
h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	167	1.30
5	107	1.62

Mono Spot Wall Small Ø35

Light Source: Power LED DC 500 mA - 6W - 510 lm - 2700K/CRI 90 / 6W - 560 lm - 3000K/CRI 90







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.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

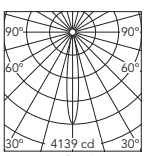
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1200.DY
- 03.1200.DR
- 03.1200.EQ
- 03.1200.ER
- 03.1200.ES

15° SPOT



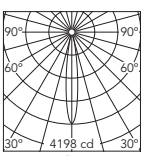
Luminous flux luminaire 376 lm

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



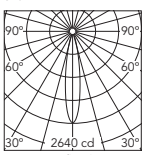
Luminous flux luminaire 382 lm

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



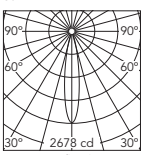
Luminous flux luminaire 368 lm

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°

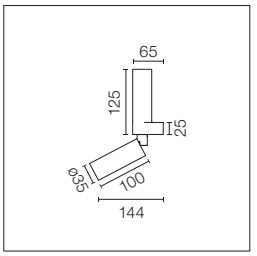
h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	167	1.30
5	107	1.62

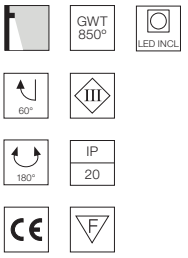
NEW

Double Spot Wall Small Ø35

Light Source: Power LED DC 500 mA - 12W - 1020 lm - 2700K/CRI 90 / 12W - 1120 lm - 3000K/CRI 90







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

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo inferior del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios integrados (difusor up). La alimentación remota (no incluida) debe colocarse en un lugar accesible. El marco de instalación ha de pedirse por separado.

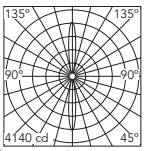
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.9186
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1210.DY
- 03.1210.DR
- 03.1210.EQ
- 03.1210.ER
- 03.1210.ES





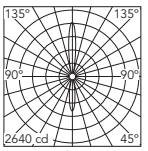
Beam Angle: 15°

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

** Luminous flux luminaire 753 lm

2700K
- 03.1211.DY
- 03.1211.DR
- 03.1211.EQ
- 03.1211.ER
- 03.1211.ES





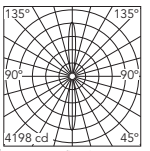
Beam Angle: 18°

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

** Luminous flux luminaire 745 lm

3000K
- 03.1215.DY
- 03.1215.DR
- 03.1215.EQ
- 03.1215.ER
- 03.1215.ES





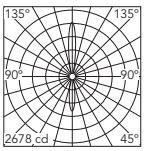
Beam Angle: 15°

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

** Luminous flux luminaire 763 lm

3000K
- 03.1216.DY
- 03.1216.DR
- 03.1216.EQ
- 03.1216.ER
- 03.1216.ES





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

** Luminous flux luminaire 755 lm

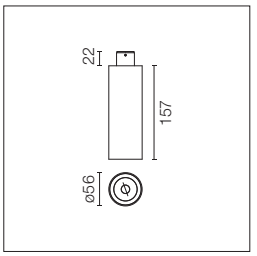
** Photometric data without up diffuser / Datos fotométricos sin difusor up.

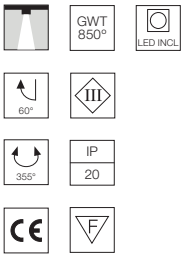
NEW

Mono Spot Ceiling Large Ø56

Light Source: 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







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.

Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 355° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

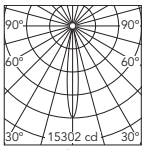
Recommended power supply / Equipos recomendados*:

	950 mA	1200 mA
Non Dimmable	60.9162	60.9276
Dimmable Dali 2 / Push	60.9186	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1250.DYA
- 03.1250.DRA
- 03.1250.EQA
- 03.1250.ERA
- 03.1250.ESA

14° SPOT



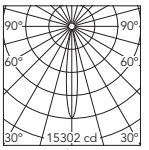
Luminous flux luminaire 1070 lm

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.DYA
- 03.1255.DRA
- 03.1255.EQA
- 03.1255.ERA
- 03.1255.ESA

14° SPOT



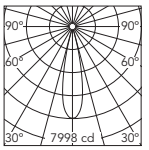
Luminous flux luminaire 1070 lm

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.DYA
- 03.1251.DRA
- 03.1251.EQA
- 03.1251.ERA
- 03.1251.ESA

23° MEDIUM



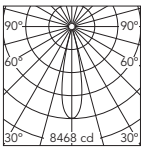
Luminous flux luminaire 1094 lm

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.DYA
- 03.1256.DRA
- 03.1256.EQA
- 03.1256.ERA
- 03.1256.ESA

23° MEDIUM



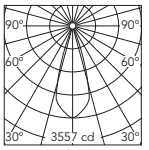
Luminous flux luminaire 1158 lm

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.DYA
- 03.1252.DRA
- 03.1252.EQA
- 03.1252.ERA
- 03.1252.ESA

34° FLOOD



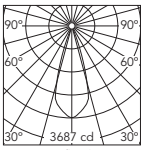
Luminous flux luminaire 1043 lm

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.DYA
- 03.1257.DRA
- 03.1257.EQA
- 03.1257.ERA
- 03.1257.ESA

34° FLOOD



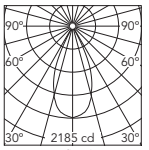
Luminous flux luminaire 1081 lm

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.DYA
- 03.1253.DRA
- 03.1253.EQA
- 03.1253.ERA
- 03.1253.ESA

45° WIDE FLOOD



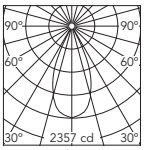
Luminous flux luminaire 1063 lm

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.DYA
- 03.1258.DRA
- 03.1258.EQA
- 03.1258.ERA
- 03.1258.ESA

45° WIDE FLOOD



Luminous flux luminaire 1146 lm

Beam Angle: 45°

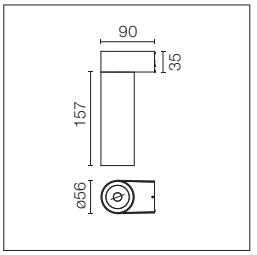
h(m)	E(lx)	D(m)
1	2357	0.84
2	589	1.68
3	262	2.52
4	147	3.35
5	94	4.19

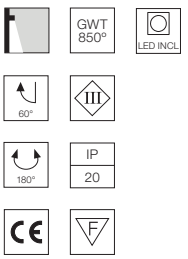
NEW

Mono Spot Wall Large Ø56

Light Source: 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







Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60º orientation on the vertical axis and 180º 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.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60º en eje vertical y 180º en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

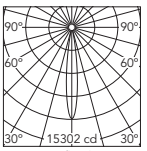
Recommended power supply / Equipos recomendados*:

	950 mA	1200 mA
Non Dimmable	60.9162	60.9276
Dimmable Dali 2 / Push	60.9186	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1230.DYA
- 03.1230.DRA
- 03.1230.EQA
- 03.1230.ERA
- 03.1230.ESA

14° SPOT



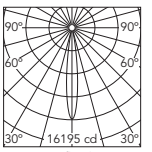
Luminous flux luminaire 1070 lm

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.DYA
- 03.1235.DRA
- 03.1235.EQA
- 03.1235.ERA
- 03.1235.ESA

14° SPOT



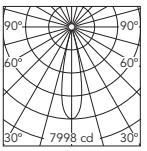
Luminous flux luminaire 1132 lm

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.DYA
- 03.1231.DRA
- 03.1231.EQA
- 03.1231.ERA
- 03.1231.ESA

23° MEDIUM



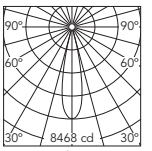
Luminous flux luminaire 1094 lm

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.DYA
- 03.1236.DRA
- 03.1236.EQA
- 03.1236.ERA
- 03.1236.ESA

23° MEDIUM



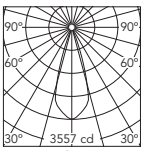
Luminous flux luminaire 1158 lm

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.DYA
- 03.1232.DRA
- 03.1232.EQA
- 03.1232.ERA
- 03.1232.ESA

34° FLOOD



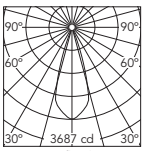
Luminous flux luminaire 1043 lm

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.DYA
- 03.1237.DRA
- 03.1237.EQA
- 03.1237.ERA
- 03.1237.ESA

34° FLOOD



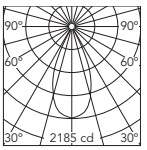
Luminous flux luminaire 1081 lm

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.DYA
- 03.1233.DRA
- 03.1233.EQA
- 03.1233.ERA
- 03.1233.ESA

45° WIDE FLOOD



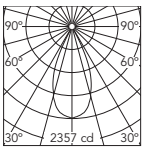
Luminous flux luminaire 1063 lm

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.DYA
- 03.1238.DRA
- 03.1238.EQA
- 03.1238.ERA
- 03.1238.ESA

45° WIDE FLOOD



Luminous flux luminaire 1146 lm

Beam Angle: 45°

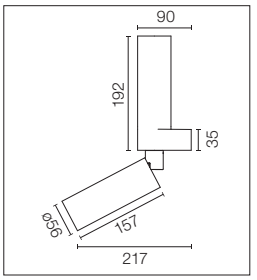
h(m)	E(lx)	D(m)
1	2357	0.84
2	589	1.68
3	262	2.52
4	147	3.35
5	94	4.19

NEW

Double Spot Wall Large Ø56

Light Source: 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

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.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo inferior del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios integrados (difusor up). La alimentación remota (no incluida) debe colocarse en un lugar accesible. El marco de instalación ha de pedirse por separado

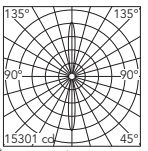
Recommended power supply / Equipos recomendados*:

	950 mA	1200 mA
Non Dimmable	60.9162	60.9276
Dimmable Dali 2 / Push	60.9186	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
03.1240.DYA
03.1240.DRA
03.1240.EQA
03.1240.ERA
03.1240.ESA

14° SPOT

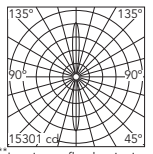


**Luminous flux luminaire 2139 lm

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

3000K
03.1245.DYA
03.1245.DRA
03.1245.EQA
03.1245.ERA
03.1245.ESA

14° SPOT

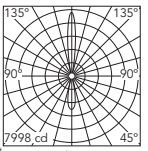


**Luminous flux luminaire 2139 lm

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

2700K
03.1241.DYA
03.1241.DRA
03.1241.EQA
03.1241.ERA
03.1241.ESA

23° MEDIUM

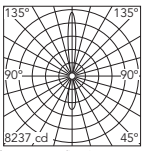


**Luminous flux luminaire 2163 lm

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
03.1246.DYA
03.1246.DRA
03.1246.EQA
03.1246.ERA
03.1246.ESA

23° MEDIUM

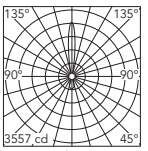


**Luminous flux luminaire 2228 lm

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

2700K
03.1242.DYA
03.1242.DRA
03.1242.EQA
03.1242.ERA
03.1242.ESA

34° FLOOD

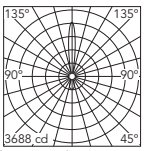


**Luminous flux luminaire 2112 lm

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
03.1247.DYA
03.1247.DRA
03.1247.EQA
03.1247.ERA
03.1247.ESA

34° FLOOD

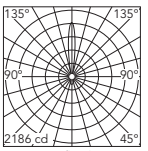


**Luminous flux luminaire 2150 lm

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

2700K
03.1243.DYA
03.1243.DRA
03.1243.EQA
03.1243.ERA
03.1243.ESA

45° WIDE FLOOD

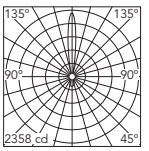


**Luminous flux luminaire 2132 lm

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

3000K
03.1248.DYA
03.1248.DRA
03.1248.EQA
03.1248.ERA
03.1248.ESA

45° WIDE FLOOD



**Luminous flux luminaire 2216 lm

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

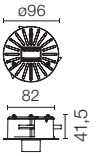
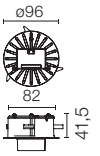
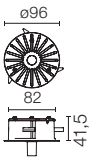
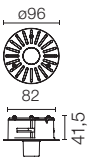
** Photometric data without up diffuser / Datos fotométricos sin difusor up.

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									

NEW

Accessories / Accesorios

No Trim installation frame for wall mounting.	Marco de instalación No Trim para instalación en pared.			C1 Wall Small Mono 08.0206.00 C1 Wall Small Double 08.0227.00
No Trim installation frame for wall mounting.	Marco de instalación No Trim para instalación en pared.			C1 Wall Large Mono 08.0205.00A C1 Wall Large Double 08.0226.00A
No Trim installation frame for ceiling mounting.	Marco de instalación No Trim para instalación en techo.			C1 Ceiling Small 08.0208.00
No Trim installation frame for ceiling mounting.	Marco de instalación No Trim para instalación en techo.			C1 Ceiling Large 08.0207.00A
Coated aluminum mount for surface installation (wall).	Soporte en aluminio barnizado para instalación en superficie (pared).			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
Aluminum mount for surface flush installation (wall). Fit for resistant surfaces such as brick, wood or concrete. Not valid for plasterboard walls.	Soporte en aluminio para instalación en superficie enrasado (pared). Válido para superficies resistentes como ladrillo, madera u hormigón. No es válido para paredes de yeso laminado.	 		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
Coated aluminum mount for surface installation (ceiling).	Soporte en aluminio barnizado para instalación en superficie (techo).			C1 Ceiling Small 08.0211.DY 08.0211.DR 08.0211.EQ 08.0211.ER 08.0211.ES
Coated aluminum mount for surface installation (ceiling).	Soporte en aluminio barnizado para instalación en superficie (techo).			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
23,5W
2300 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2009 lm
4000K/CRI 90

UT PRO SURFACE
175



LIGHT SOURCE
LED ARRAY
35,3W
4145 lm
3000K/CRI 80
3425 lm
3000K/CRI 90
3569 lm
4000K/CRI 90

☐ 40 White
40 Blanco



■ 14 Black
14 Negro



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.

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

Descripción
Luminaria de interior para ser instalada en superficie, disponible con fuentes de luz de tecnología LED de alta potencia y regulador incluido.
El cuerpo óptico de la luminaria, así como el contenedor de los equipos de alimentación, están fabricados en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.
Las luminarias incluyen equipo de alimentación en el propio cuerpo de la luminaria.

Sistema Óptico
Se encuentran disponibles con ópticas spot, medium y flood e incorporan reflector de cristal de borosilicato de alta eficiencia.

Accesorios
Disponible cruceta de apantallamiento, lente elíptica, lente flood y honeycomb.

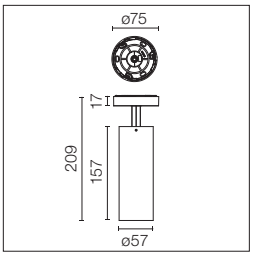
Información Adicional
Posibilidad de rotación 360° en eje vertical y 90° en eje horizontal. Mecanismo de bloqueo para el eje horizontal incorporado.
Índice de protección IP20.

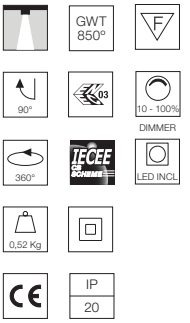
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

UT Pro Surface 150

Light Source: LED Array 23,5W - 2300 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2009 lm - 4000K/CRI 90





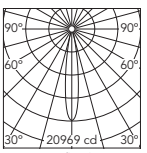


LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

Proyector para ser instalado en superficie con fuente de luz LED. Fuente de alimentación 120-277V y potenciómetro incluidos.

3000K - CRI 80
On board dimmer
09.7290.40A
09.7290.14A

16° SPOT



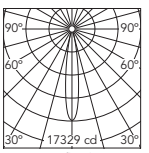
Luminous flux luminaire
2265 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	20969	0.28
2	5242	0.56
3	2330	0.84
4	1311	1.12
5	839	1.40

3000K - CRI 90
On board dimmer
09.7296.40A
09.7296.14A

16° SPOT



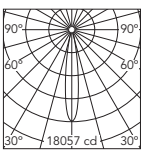
Luminous flux luminaire
1872 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17329	0.28
2	4332	0.56
3	1925	0.84
4	1083	1.12
5	693	1.40

4000K - CRI 90
On board dimmer
09.7291.40A
09.7291.14A

16° SPOT



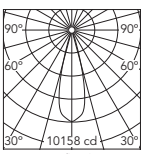
Luminous flux luminaire
1951 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18057	0.28
2	4514	0.56
3	2006	0.84
4	1129	1.12
5	722	1.40

3000K - CRI 80
On board dimmer
09.7292.40A
09.7292.14A

28° MEDIUM



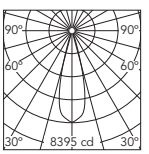
Luminous flux luminaire
2198 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	10158	0.50
2	2540	1.00
3	1129	1.50
4	635	2.00
5	406	2.50

3000K - CRI 90
On board dimmer
09.7297.40A
09.7297.14A

28° MEDIUM



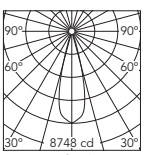
Luminous flux luminaire
1816 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8395	0.50
2	2099	1.00
3	933	1.50
4	525	2.00
5	336	2.50

4000K - CRI 90
On board dimmer
09.7293.40A
09.7293.14A

28° MEDIUM



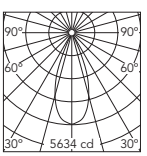
Luminous flux luminaire
1892 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8748	0.50
2	2187	1.00
3	972	1.50
4	547	2.00
5	350	2.50

3000K - CRI 80
On board dimmer
09.7294.40A
09.7294.14A

40° FLOOD



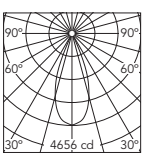
Luminous flux luminaire
2224 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	5634	0.73
2	1408	1.46
3	626	2.18
4	352	2.91
5	225	3.64

3000K - CRI 90
On board dimmer
09.7298.40A
09.7298.14A

40° FLOOD



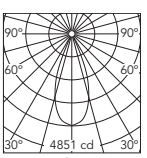
Luminous flux luminaire
1838 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4656	0.73
2	1164	1.46
3	517	2.18
4	291	2.91
5	186	3.64

4000K - CRI 90
On board dimmer
09.7295.40A
09.7295.14A

40° FLOOD



Luminous flux luminaire
1915 lm

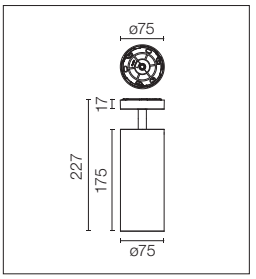
Beam Angle: 40°

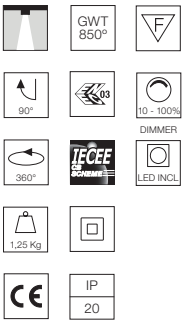
h(m)	E(lx)	D(m)
1	4851	0.73
2	1213	1.46
3	539	2.18
4	303	2.91
5	194	3.64

UT Pro Surface 175

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90





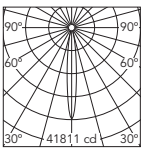


LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

Proyector para ser instalado en superficie con fuente de luz LED. Fuente de alimentación 120-277V y potenciómetro incluidos.

3000K - CRI 80
On board dimmer
09.7320.40
09.7320.14

12° SPOT



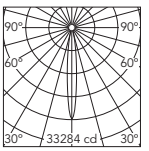
Luminous flux luminaire 3664 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	41811	0.21
2	10453	0.41
3	4646	0.62
4	2613	0.83
5	1672	1.03

3000K - CRI 90
On board dimmer
09.7321.40
09.7321.14

12° SPOT



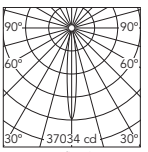
Luminous flux luminaire 2916 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	33284	0.21
2	8321	0.41
3	3698	0.62
4	2080	0.83
5	1331	1.03

4000K - CRI 90
On board dimmer
09.7322.40
09.7322.14

12° SPOT



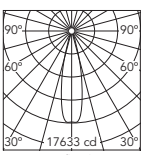
Luminous flux luminaire 3245 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	37034	0.21
2	9258	0.41
3	4115	0.62
4	2315	0.83
5	1481	1.03

3000K - CRI 80
On board dimmer
09.7323.40
09.7323.14

25° MEDIUM



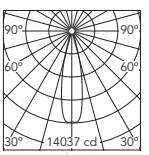
Luminous flux luminaire 3637 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	17633	0.44
2	4408	0.88
3	1959	1.32
4	1102	1.76
5	705	2.20

3000K - CRI 90
On board dimmer
09.7324.40
09.7324.14

25° MEDIUM



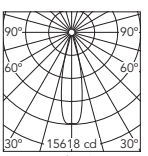
Luminous flux luminaire 2895 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	14037	0.44
2	3509	0.88
3	1560	1.32
4	877	1.76
5	561	2.20

4000K - CRI 90
On board dimmer
09.7325.40
09.7325.14

25° MEDIUM



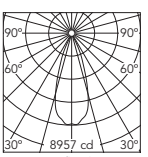
Luminous flux luminaire 3221 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	15618	0.44
2	3904	0.88
3	1735	1.32
4	976	1.76
5	625	2.20

3000K - CRI 80
On board dimmer
09.7326.40
09.7326.14

37° FLOOD



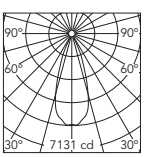
Luminous flux luminaire 3321 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	8957	0.66
2	2239	1.32
3	995	1.98
4	560	2.65
5	358	3.31

3000K - CRI 90
On board dimmer
09.7327.40
09.7327.14

37° FLOOD



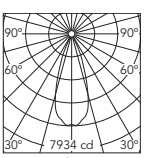
Luminous flux luminaire 2644 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7131	0.66
2	1783	1.32
3	792	1.98
4	446	2.65
5	285	3.31

4000K - CRI 90
On board dimmer
09.7328.40
09.7328.14

37° FLOOD



Luminous flux luminaire 2941 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7934	0.66
2	1983	1.32
3	882	1.98
4	496	2.65
5	317	3.31

Accessories / Accesorios

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.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		UT Pro Surface 150 08.8429.00 UT Pro Surface 175 08.9108.00
Elliptical lens.	Lente elíptica.		UT Pro Surface 150 08.8431.00 UT Pro Surface 175 08.9109.00
Flood lens.	Lente flood.		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
Snoot shielding cone.	Cono apantallador.		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
9,2W
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

Outside / Exterior

- B1 White / B1 Blanco
- 14 Black / 14 Negro
- 18 Deep Brown / 18 Deep Brown

Inside / Interior

- White / Blanco
- Matt Gold / Oro Mate
- Copper / Cobre
- Black / Negro

Kap 80
Round / Square



Outside / Exterior

- 11 White / 11 Blanco
- AS Brushed Aluminium / AS Aluminio Satinado
- AN Black / AN Negro
- B3 Brown / B3 Marrón

Inside / Interior

- White / Blanco
- Matt Gold / Oro Mate
- Blue / Azul
- Black / Negro

Kap Ø100



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, matt gold, copper and black).
The other versions are available in four external finishes (white, polished aluminium, black and brown) and four internal finishes (white, matt gold, blue 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.

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

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

Descripción
Familia de luminarias con iluminación directa o iluminación directa e indirecta según versión, para ser instalada a techo, a pared o suspendida. La versión Ø80 cuenta con módulos de iluminación redondos y cuadrados.
El cuerpo principal de la luminaria está realizado en aluminio extruido.
La versión Kap 80 Surface está disponible en tres acabados exteriores (blanco, negro y deep brown) y cuatro acabados interiores (blanco, oro mate, cobre y negro).
El resto de versiones están disponibles en 4 acabados exteriores (blanco, aluminio pulido, negro y marrón) y 4 acabados interiores (blanco, oro mate, azul y negro).

Reflectores
La versión Ø100 dispone de un reflector interior realizado en policarbonato pintado por la parte interna, mientras que la versión Ø80 cuenta con un reflector realizado en aluminio pintado. Además, ambas versiones incorporan una lente difusora realizada en policarbonato opal para ofrecer una luz uniforme.

Unidades de Alimentación
Transformador electrónico incorporado.

Información Adicional
Índice de protección IP20.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.

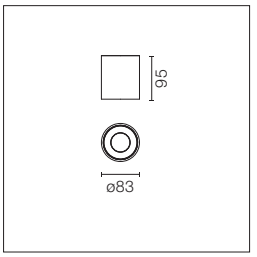
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

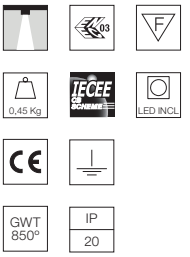
Ceiling Suspension Wall

Kap 80 Surface Ceiling Round - Optic Spot / Optic Medium

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







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

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

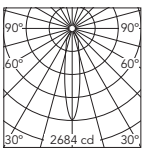
E I

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.B1.DA
03.6020.14.DA
03.6020.18.DA

19° SPOT



Luminous flux luminaire
710 lm (EXTREME CUT OFF)

Beam Angle: 19°

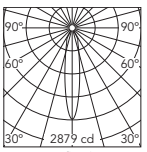
h(m)	E(lx)	D(m)
1	2684	0.34
2	671	0.68
3	298	1.02
4	168	1.36
5	107	1.70

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.B1.DA
03.6021.14.DA
03.6021.18.DA

19° SPOT



Luminous flux luminaire
684 lm (EXTREME CUT OFF)

Beam Angle: 19°

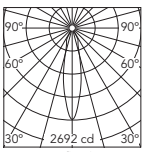
h(m)	E(lx)	D(m)
1	2879	0.33
2	720	0.67
3	320	1.00
4	180	1.33
5	115	1.66

Non Dimmable
03.6022.B1
03.6022.14
03.6022.18

Mains Dimming
03.5922.B1
03.5922.14
03.5922.18

Dali/Push Version
03.6022.B1.DA
03.6022.14.DA
03.6022.18.DA

22° SPOT



Luminous flux luminaire
676 lm (EXTREME CUT OFF)

Beam Angle: 22°

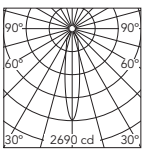
h(m)	E(lx)	D(m)
1	2692	0.40
2	673	0.79
3	299	1.19
4	168	1.58
5	108	1.98

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.B1.DA
03.6023.14.DA
03.6023.18.DA

19° SPOT



Luminous flux luminaire
628 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2690	0.33
2	673	0.66
3	299	0.99
4	168	1.31
5	108	1.64

Optic Spot 3000K

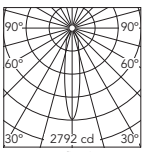
E I

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.B1.DA
03.6024.14.DA
03.6024.18.DA

19° SPOT



Luminous flux luminaire
739 lm (EXTREME CUT OFF)

Beam Angle: 19°

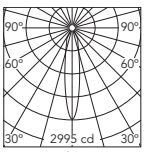
h(m)	E(lx)	D(m)
1	2792	0.34
2	698	0.68
3	310	1.02
4	175	1.36
5	112	1.70

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.B1.DA
03.6025.14.DA
03.6025.18.DA

19° SPOT



Luminous flux luminaire
712 lm (EXTREME CUT OFF)

Beam Angle: 19°

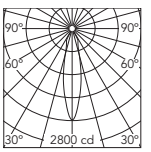
h(m)	E(lx)	D(m)
1	2995	0.33
2	749	0.67
3	333	1.00
4	187	1.33
5	120	1.66

Non Dimmable
03.6026.B1
03.6026.14
03.6026.18

Mains Dimming
03.5926.B1
03.5926.14
03.5926.18

Dali/Push Version
03.6026.B1.DA
03.6026.14.DA
03.6026.18.DA

22° SPOT



Luminous flux luminaire
703 lm (EXTREME CUT OFF)

Beam Angle: 22°

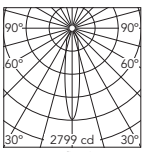
h(m)	E(lx)	D(m)
1	2800	0.40
2	700	0.79
3	311	1.19
4	175	1.58
5	112	1.98

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.B1.DA
03.6027.14.DA
03.6027.18.DA

19° SPOT



Luminous flux luminaire
654 lm (EXTREME CUT OFF)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2799	0.33
2	700	0.66
3	311	0.99
4	175	1.31
5	112	1.64

Optic Medium
2700K

E I

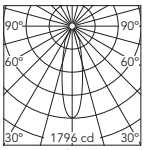
Non Dimmable
03.6000.B1
03.6000.14
03.6000.18

Mains Dimming
03.5900.B1
03.5900.14
03.5900.18

Dali/Push Version
03.6000.B1.DA
03.6000.14.DA
03.6000.18.DA



MEDIUM



Luminous flux luminaire
606 lm (EXTREME CUT OFF)

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

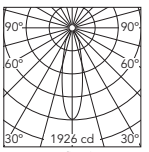
Non Dimmable
03.6001.B1
03.6001.14
03.6001.18

Mains Dimming
03.5901.B1
03.5901.14
03.5901.18

Dali/Push Version
03.6001.B1.DA
03.6001.14.DA
03.6001.18.DA



MEDIUM



Luminous flux luminaire
594 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1926	0.46
2	481	0.92
3	214	1.38
4	120	1.84
5	77	2.30

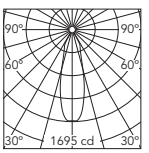
Non Dimmable
03.6002.B1
03.6002.14
03.6002.18

Mains Dimming
03.5902.B1
03.5902.14
03.5902.18

Dali/Push Version
03.6002.B1.DA
03.6002.14.DA
03.6002.18.DA



MEDIUM



Luminous flux luminaire
572 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1695	0.51
2	424	1.03
3	188	1.54
4	106	2.05
5	68	2.57

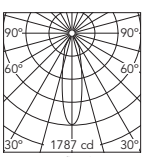
Non Dimmable
03.6003.B1
03.6003.14
03.6003.18

Mains Dimming
03.5903.B1
03.5903.14
03.5903.18

Dali/Push Version
03.6003.B1.DA
03.6003.14.DA
03.6003.18.DA



MEDIUM



Luminous flux luminaire
541 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1787	0.45
2	447	0.89
3	199	1.34
4	112	1.79
5	71	2.23

Optic Medium
3000K

E I

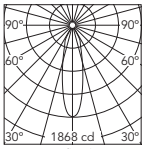
Non Dimmable
03.6004.B1
03.6004.14
03.6004.18

Mains Dimming
03.5904.B1
03.5904.14
03.5904.18

Dali/Push Version
03.6004.B1.DA
03.6004.14.DA
03.6004.18.DA



MEDIUM



Luminous flux luminaire
630 lm (EXTREME CUT OFF)

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

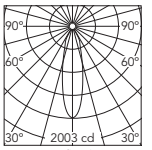
Non Dimmable
03.6005.B1
03.6005.14
03.6005.18

Mains Dimming
03.5905.B1
03.5905.14
03.5905.18

Dali/Push Version
03.6005.B1.DA
03.6005.14.DA
03.6005.18.DA



MEDIUM



Luminous flux luminaire
618 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2003	0.46
2	501	0.92
3	223	1.38
4	125	1.84
5	80	2.30

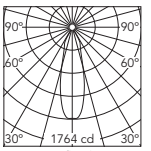
Non Dimmable
03.6006.B1
03.6006.14
03.6006.18

Mains Dimming
03.5906.B1
03.5906.14
03.5906.18

Dali/Push Version
03.6006.B1.DA
03.6006.14.DA
03.6006.18.DA



MEDIUM



Luminous flux luminaire
595 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1764	0.51
2	441	1.03
3	196	1.54
4	110	2.05
5	71	2.57

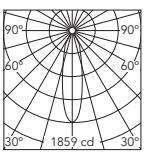
Non Dimmable
03.6007.B1
03.6007.14
03.6007.18

Mains Dimming
03.5907.B1
03.5907.14
03.5907.18

Dali/Push Version
03.6007.B1.DA
03.6007.14.DA
03.6007.18.DA



MEDIUM



Luminous flux luminaire
563 lm (EXTREME CUT OFF)

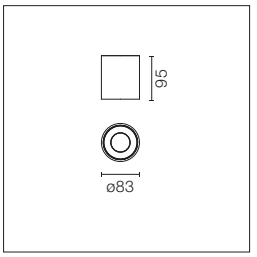
Beam Angle: 25°

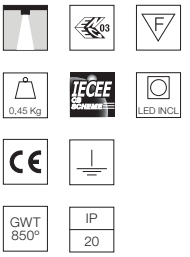
h(m)	E(lx)	D(m)
1	1859	0.45
2	465	0.89
3	207	1.34
4	116	1.79
5	74	2.23

Kap 80 Surface Ceiling Round - Optic Flood

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







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

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

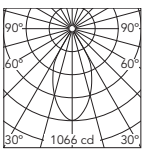
E I

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.B1.DA
03.6040.14.DA
03.6040.18.DA

50° FLOOD



Luminous flux luminaire
688 lm (EXTREME CUT OFF)

Beam Angle: 50°

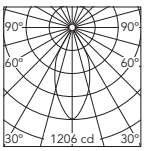
h(m)	E(lx)	D(m)
1	1066	0.93
2	266	1.86
3	118	2.79
4	67	3.72
5	43	4.65

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.B1.DA
03.6041.14.DA
03.6041.18.DA

45° FLOOD



Luminous flux luminaire
660 lm (EXTREME CUT OFF)

Beam Angle: 45°

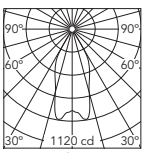
h(m)	E(lx)	D(m)
1	1206	0.83
2	302	1.66
3	134	2.48
4	75	3.31
5	48	4.14

Non Dimmable
03.6042.B1
03.6042.14
03.6042.18

Mains Dimming
03.5942.B1
03.5942.14
03.5942.18

Dali/Push Version
03.6042.B1.DA
03.6042.14.DA
03.6042.18.DA

45° FLOOD



Luminous flux luminaire
649 lm (EXTREME CUT OFF)

Beam Angle: 45°

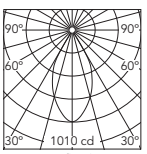
h(m)	E(lx)	D(m)
1	1120	0.83
2	280	1.66
3	124	2.49
4	70	3.32
5	45	4.14

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.B1.DA
03.6043.14.DA
03.6043.18.DA

50° FLOOD



Luminous flux luminaire
599 lm (EXTREME CUT OFF)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1010	0.94
2	252	1.89
3	112	2.83
4	63	3.77
5	40	4.72

Optic Flood 3000K

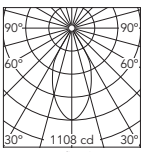
E I

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.B1.DA
03.6044.14.DA
03.6044.18.DA

50° FLOOD



Luminous flux luminaire
715 lm (EXTREME CUT OFF)

Beam Angle: 50°

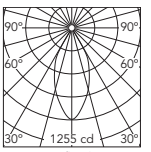
h(m)	E(lx)	D(m)
1	1108	0.93
2	277	1.86
3	123	2.79
4	69	3.72
5	44	4.65

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.B1.DA
03.6045.14.DA
03.6045.18.DA

45° FLOOD



Luminous flux luminaire
687 lm (EXTREME CUT OFF)

Beam Angle: 45°

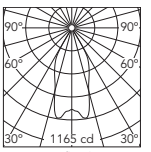
h(m)	E(lx)	D(m)
1	1255	0.83
2	314	1.66
3	139	2.48
4	78	3.31
5	50	4.14

Non Dimmable
03.6046.B1
03.6046.14
03.6046.18

Mains Dimming
03.5946.B1
03.5946.14
03.5946.18

Dali/Push Version
03.6046.B1.DA
03.6046.14.DA
03.6046.18.DA

45° FLOOD



Luminous flux luminaire
676 lm (EXTREME CUT OFF)

Beam Angle: 45°

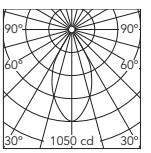
h(m)	E(lx)	D(m)
1	1165	0.83
2	291	1.66
3	129	2.49
4	73	3.32
5	47	4.14

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.B1.DA
03.6047.14.DA
03.6047.18.DA

50° FLOOD



Luminous flux luminaire
623 lm (EXTREME CUT OFF)

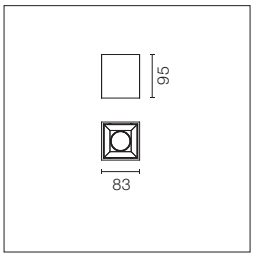
Beam Angle: 50°

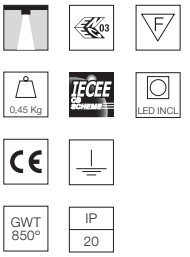
h(m)	E(lx)	D(m)
1	1050	0.94
2	263	1.89
3	117	2.83
4	66	3.77
5	42	4.72

Kap 80 Surface Ceiling Square - Optic Spot

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







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

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

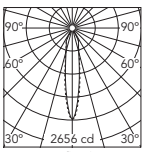
E I

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.B1.DA
03.6030.14.DA
03.6030.18.DA





Luminous flux luminaire
741 lm (EXTREME CUT OFF)

Beam Angle: 18°

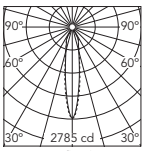
h(m)	E(lx)	D(m)
1	2656	0.31
2	664	0.62
3	295	0.94
4	166	1.25
5	106	1.56

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.B1.DA
03.6031.14.DA
03.6031.18.DA





Luminous flux luminaire
732 lm (EXTREME CUT OFF)

Beam Angle: 18°

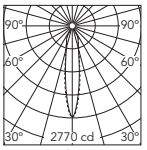
h(m)	E(lx)	D(m)
1	2785	0.31
2	696	0.63
3	309	0.94
4	174	1.26
5	111	1.57

Non Dimmable
03.6032.B1
03.6032.14
03.6032.18

Mains Dimming
03.5932.B1
03.5932.14
03.5932.18

Dali/Push Version
03.6032.B1.DA
03.6032.14.DA
03.6032.18.DA





Luminous flux luminaire
710 lm (EXTREME CUT OFF)

Beam Angle: 18°

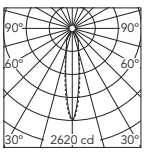
h(m)	E(lx)	D(m)
1	2770	0.31
2	693	0.62
3	308	0.94
4	173	1.25
5	111	1.56

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.B1.DA
03.6033.14.DA
03.6033.18.DA





Luminous flux luminaire
669 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2620	0.30
2	655	0.60
3	291	0.90
4	164	1.20
5	105	1.50

Optic Spot 3000K

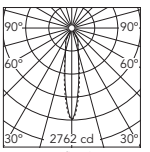
E I

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.B1.DA
03.6034.14.DA
03.6034.18.DA





Luminous flux luminaire
771 lm (EXTREME CUT OFF)

Beam Angle: 18°

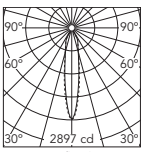
h(m)	E(lx)	D(m)
1	2762	0.31
2	691	0.62
3	307	0.94
4	173	1.25
5	110	1.56

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.B1.DA
03.6035.14.DA
03.6035.18.DA





Luminous flux luminaire
762 lm (EXTREME CUT OFF)

Beam Angle: 18°

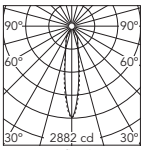
h(m)	E(lx)	D(m)
1	2897	0.31
2	724	0.63
3	322	0.94
4	181	1.26
5	116	1.57

Non Dimmable
03.6036.B1
03.6036.14
03.6036.18

Mains Dimming
03.5936.B1
03.5936.14
03.5936.18

Dali/Push Version
03.6036.B1.DA
03.6036.14.DA
03.6036.18.DA





Luminous flux luminaire
739 lm (EXTREME CUT OFF)

Beam Angle: 18°

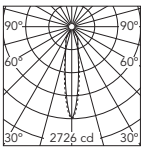
h(m)	E(lx)	D(m)
1	2882	0.31
2	720	0.62
3	320	0.94
4	180	1.25
5	115	1.56

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.B1.DA
03.6037.14.DA
03.6037.18.DA





Luminous flux luminaire
696 lm (EXTREME CUT OFF)

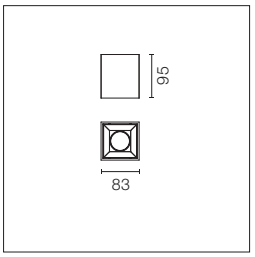
Beam Angle: 17°

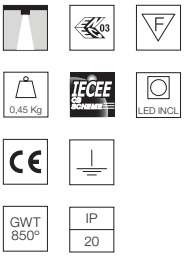
h(m)	E(lx)	D(m)
1	2726	0.30
2	681	0.60
3	303	0.90
4	170	1.20
5	109	1.50

Kap 80 Surface Ceiling Square - Optic Medium / Optic Flood

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







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

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Medium 2700K

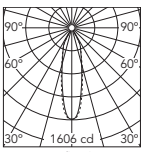
E I

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.B1.DA
03.6010.14.DA
03.6010.18.DA

25° MEDIUM



Luminous flux luminaire 615 lm (EXTREME CUT OFF)

Beam Angle: 25°

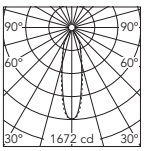
h(m)	E(lx)	D(m)
1	1606	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

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.B1.DA
03.6011.14.DA
03.6011.18.DA

25° MEDIUM



Luminous flux luminaire 600 lm (EXTREME CUT OFF)

Beam Angle: 25°

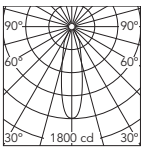
h(m)	E(lx)	D(m)
1	1672	0.45
2	418	0.90
3	186	1.34
4	104	1.79
5	67	2.24

Non Dimmable
03.6012.B1
03.6012.14
03.6012.18

Mains Dimming
03.5912.B1
03.5912.14
03.5912.18

Dali/Push Version
03.6012.B1.DA
03.6012.14.DA
03.6012.18.DA

26° MEDIUM



Luminous flux luminaire 639 lm (EXTREME CUT OFF)

Beam Angle: 26°

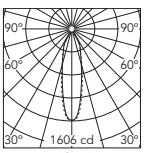
h(m)	E(lx)	D(m)
1	1800	0.46
2	450	0.93
3	200	1.39
4	112	1.86
5	72	2.32

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.B1.DA
03.6013.14.DA
03.6013.18.DA

25° MEDIUM



Luminous flux luminaire 559 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1606	0.44
2	402	0.88
3	178	1.32
4	100	1.76
5	64	2.20

Optic Medium 3000K

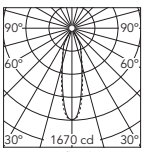
E I

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.B1.DA
03.6014.14.DA
03.6014.18.DA

25° MEDIUM



Luminous flux luminaire 640 lm (EXTREME CUT OFF)

Beam Angle: 25°

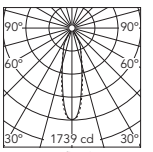
h(m)	E(lx)	D(m)
1	1670	0.45
2	418	0.90
3	186	1.34
4	104	1.79
5	67	2.24

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.B1.DA
03.6015.14.DA
03.6015.18.DA

25° MEDIUM



Luminous flux luminaire 624 lm (EXTREME CUT OFF)

Beam Angle: 25°

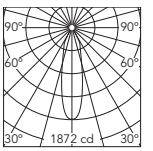
h(m)	E(lx)	D(m)
1	1739	0.45
2	435	0.90
3	193	1.34
4	109	1.79
5	70	2.24

Non Dimmable
03.6016.B1
03.6016.14
03.6016.18

Mains Dimming
03.5916.B1
03.5916.14
03.5916.18

Dali/Push Version
03.6016.B1.DA
03.6016.14.DA
03.6016.18.DA

26° MEDIUM



Luminous flux luminaire 665 lm (EXTREME CUT OFF)

Beam Angle: 26°

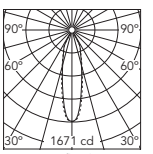
h(m)	E(lx)	D(m)
1	1872	0.46
2	468	0.93
3	208	1.39
4	117	1.86
5	75	2.32

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.B1.DA
03.6017.14.DA
03.6017.18.DA

25° MEDIUM



Luminous flux luminaire 582 lm (EXTREME CUT OFF)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1671	0.44
2	418	0.88
3	186	1.32
4	104	1.76
5	67	2.20

Optic Flood 2700K

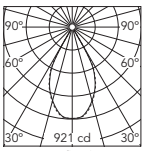
E I

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.B1.DA
03.6050.14.DA
03.6050.18.DA

55° FLOOD



Luminous flux luminaire
723 lm (EXTREME CUT OFF)

Beam Angle: 55°

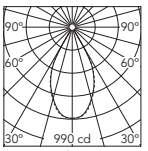
h(m)	E(lx)	D(m)
1	921	1.03
2	230	2.07
3	102	3.10
4	58	4.14
5	37	5.17

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.B1.DA
03.6051.14.DA
03.6051.18.DA

53° FLOOD



Luminous flux luminaire
704 lm (EXTREME CUT OFF)

Beam Angle: 53°

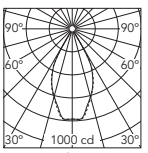
h(m)	E(lx)	D(m)
1	990	1.00
2	248	2.00
3	110	3.00
4	62	4.00
5	40	5.01

Non Dimmable
03.6052.B1
03.6052.14
03.6052.18

Mains Dimming
03.5952.B1
03.5952.14
03.5952.18

Dali/Push Version
03.6052.B1.DA
03.6052.14.DA
03.6052.18.DA

52° FLOOD



Luminous flux luminaire
685 lm (EXTREME CUT OFF)

Beam Angle: 52°

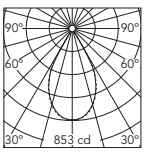
h(m)	E(lx)	D(m)
1	1000	0.97
2	250	1.93
3	111	2.90
4	63	3.87
5	40	4.84

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.B1.DA
03.6053.14.DA
03.6053.18.DA

55° FLOOD



Luminous flux luminaire
640 lm (EXTREME CUT OFF)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	853	1.05
2	213	2.10
3	95	3.16
4	53	4.21
5	34	5.26

Optic Flood 3000K

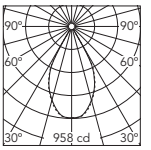
E I

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.B1.DA
03.6054.14.DA
03.6054.18.DA

55° FLOOD



Luminous flux luminaire
752 lm (EXTREME CUT OFF)

Beam Angle: 55°

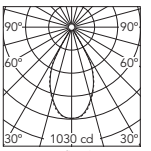
h(m)	E(lx)	D(m)
1	958	1.03
2	240	2.07
3	106	3.10
4	60	4.14
5	38	5.17

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.B1.DA
03.6055.14.DA
03.6055.18.DA

53° FLOOD



Luminous flux luminaire
732 lm (EXTREME CUT OFF)

Beam Angle: 53°

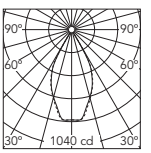
h(m)	E(lx)	D(m)
1	1030	1.00
2	258	2.00
3	114	3.00
4	64	4.00
5	41	5.01

Non Dimmable
03.6056.B1
03.6056.14
03.6056.18

Mains Dimming
03.5956.B1
03.5956.14
03.5956.18

Dali/Push Version
03.6056.B1.DA
03.6056.14.DA
03.6056.18.DA

52° FLOOD



Luminous flux luminaire
713 lm (EXTREME CUT OFF)

Beam Angle: 52°

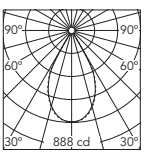
h(m)	E(lx)	D(m)
1	1040	0.97
2	260	1.93
3	116	2.90
4	65	3.87
5	42	4.84

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.B1.DA
03.6057.14.DA
03.6057.18.DA

55° FLOOD



Luminous flux luminaire
666 lm (EXTREME CUT OFF)

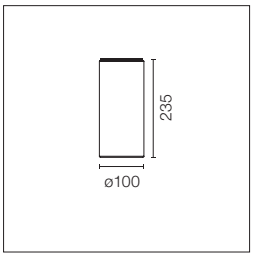
Beam Angle: 55°

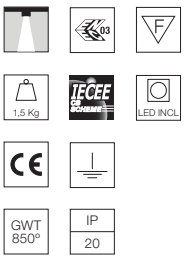
h(m)	E(lx)	D(m)
1	888	1.05
2	222	2.10
3	99	3.16
4	55	4.21
5	36	5.26

Kap Surface Ceiling

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80







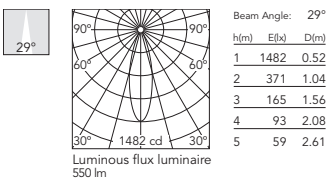
Luminaire for mounting on the ceiling with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= Acabado Externo
I= Acabado Interno

E I
03.4520.11B
03.4520.ASB
03.4520.ANB
03.4520.B3B

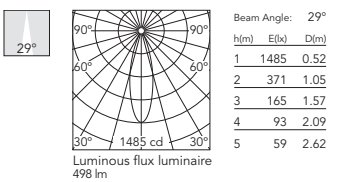


Luminous flux luminaire
550 lm

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

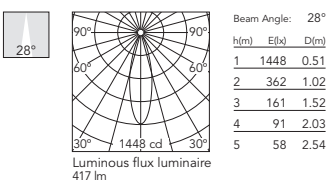


Luminous flux luminaire
498 lm

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1485	0.52
2	371	1.05
3	165	1.57
4	93	2.09
5	59	2.62

E I
03.4522.11B
03.4522.ASB
03.4522.ANB
03.4522.B3B

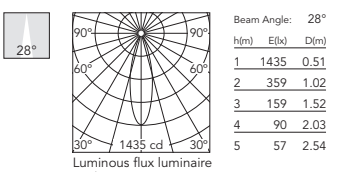


Luminous flux luminaire
417 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1448	0.51
2	362	1.02
3	161	1.52
4	91	2.03
5	58	2.54

E I
03.4523.11B
03.4523.ASB
03.4523.ANB
03.4523.B3B



Luminous flux luminaire
413 lm

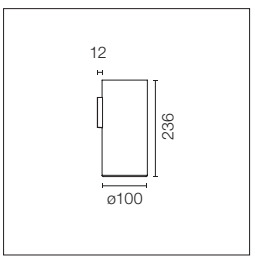
Beam Angle: 28°

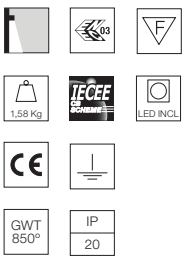
h(m)	E(lx)	D(m)
1	1435	0.51
2	359	1.02
3	159	1.52
4	90	2.03
5	57	2.54

Kap Surface Wall

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80







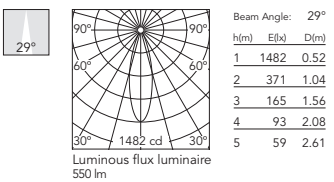
Luminaire for wall mounting with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

E= External Finish
I= Internal Finish

Luminaria para ser instalada a pared con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= Acabado Externo
I= Acabado Interno

E I
03.5730.11B
03.5730.ASB
03.5730.ANB
03.5730.B3B

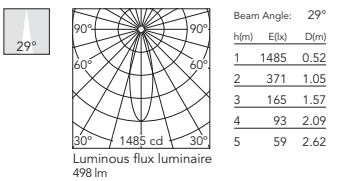


Luminous flux luminaire
550 lm

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

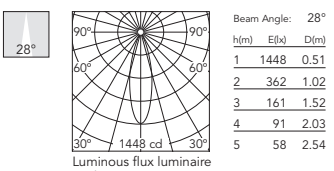


Luminous flux luminaire
498 lm

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1485	0.52
2	371	1.05
3	165	1.57
4	93	2.09
5	59	2.62

E I
03.5732.11B
03.5732.ASB
03.5732.ANB
03.5732.B3B

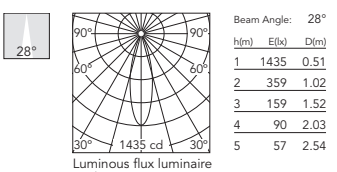


Luminous flux luminaire
417 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1448	0.51
2	362	1.02
3	161	1.52
4	91	2.03
5	58	2.54

E I
03.5733.11B
03.5733.ASB
03.5733.ANB
03.5733.B3B



Luminous flux luminaire
413 lm

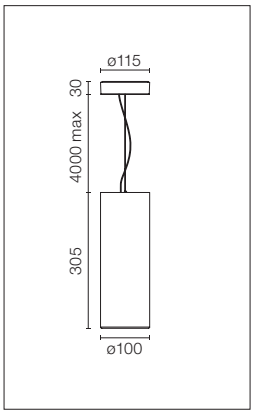
Beam Angle: 28°

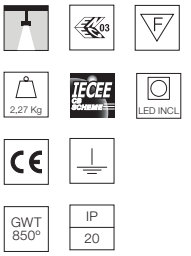
h(m)	E(lx)	D(m)
1	1435	0.51
2	359	1.02
3	159	1.52
4	90	2.03
5	57	2.54

Kap Suspension

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80







Suspended ceiling-mounted luminaire with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

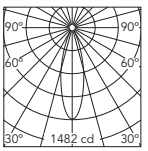
E= External Finish
I= Internal Finish

Luminaria suspendida para ser instalada a techo con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= Acabado Externo
I= Acabado Interno

E I
03.5810.11B
03.5810.ASB
03.5810.ANB
03.5810.B3B





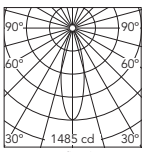
Luminous flux luminaire
550 lm

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
03.5811.11B
03.5811.ASB
03.5811.ANB
03.5811.B3B





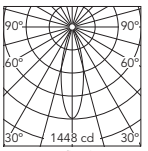
Luminous flux luminaire
498 lm

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1485	0.52
2	371	1.05
3	165	1.57
4	93	2.09
5	59	2.62

E I
03.5812.11B
03.5812.ASB
03.5812.ANB
03.5812.B3B





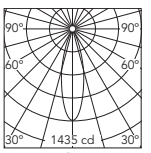
Luminous flux luminaire
417 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1448	0.51
2	362	1.02
3	161	1.52
4	91	2.03
5	58	2.54

E I
03.5813.11B
03.5813.ASB
03.5813.ANB
03.5813.B3B





Luminous flux luminaire
413 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1435	0.51
2	359	1.02
3	159	1.52
4	90	2.03
5	57	2.54

COMPASS BOX

DESIGNED BY FLOS ARCHITECTURAL

SMALL
1L / 2L / 4L /
4L SQUARE



LIGHT SOURCE
LED ARRAY
6,2W
860 lm
3000K/CRI 80

SMALL
1L / 2L / 4L



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LARGE H:135
1L / 2L / 4L /
4L SQUARE



LIGHT SOURCE
LED
QR-111
G53

30 Matt White
30 Blanco Mate/RAL 9001



14 Matt Black
14 Negro Mate/RAL 9005



29 Anodized Aluminium
29 Aluminio Anodizado



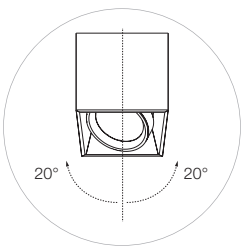
WG Wenge
WG Wenge



TK Teak
TK Teca



Can be swivelled 20°.
Puede ser orientado 20°.



Description
Wal or ceiling luminaires with 1, 2 or 4 adjustable lights.
Suitable for LED light sources.
Pressed steel, black-painted optical body and extruded-aluminum outer structure with fixing system.
Electrical connection and control devices incorporated in the luminaire.

Power Supply
LED:
- Built-in, non-regulable constant current power supply of 220/240V, 50/60Hz. 350 mA current.
For LED retrofit versions:
- Electronic transformer of 20/105W – 220/240V - 50/60Hz with intensity regulation through “leading and trailing edge” device.

Accessories
- Screening cylinder and black thermoplastic rotating pin.
- Honeycomb.

Additional Information
Two heights.
0-20° adjustment in all directions.
IP20 protection grade.
Insulation class I, II depending on the versions.
Suitable for installation on normally inflammable surfaces.

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

Descripción
Sistema de iluminación de uno, dos y cuatro focos orientables para ser instalados a pared o a techo.
Diseñado para fuentes de iluminación LED.
Cuerpo óptico en acero estampado pintado con pintura negra y estructura exterior realizada en extrusión de aluminio con sistema de fijación a techo.
Conexión eléctrica y equipos de control incorporados en la luminaria.

Unidades de Alimentación
LED:
- Fuente de alimentación de corriente constante 220/240V, 50/60Hz no regulable integrada. Alimentación a 350 mA.
Para las versiones LED retrofit:
- Transformador electrónico de 20/105W - 220/240V
- 50/60Hz con regulación de intensidad mediante dispositivo “trailing edge”.

Accesorios
- Cilindro de apantallamiento con cruceta rotacional.
- Honeycomb.

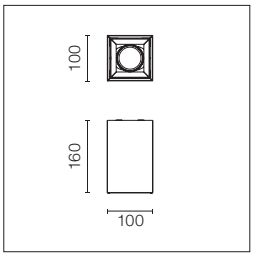
Información Adicional
Disponible en dos alturas.
Sistema de orientación que permite la orientación a 40° en todas las direcciones.
Índice de protección IP20.
Clase de aislamiento I,II, según las versiones.
Instalable sobre superficies normalmente inflamables.

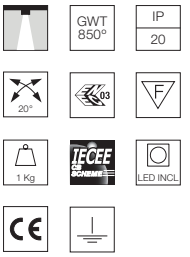
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Compass Box Small 1L

Light Source: LED Array 6,2W - 860 lm - 3000K/CRI 80





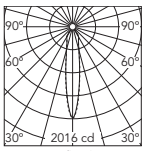


Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

- 03.2630.30A
- 03.2630.29A
- 03.2630.14A
- 03.2630.WGA
- 03.2630.TKA

18° SPOT



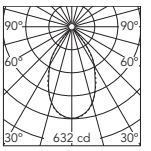
Luminous flux luminaire 601 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

- 03.2632.30A
- 03.2632.29A
- 03.2632.14A
- 03.2632.WGA
- 03.2632.TKA

59° WIDE FLOOD



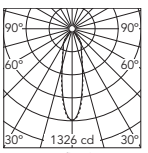
Luminous flux luminaire 580 lm (EXTREME CUT OFF)

Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2631.30A
- 03.2631.29A
- 03.2631.14A
- 03.2631.WGA
- 03.2631.TKA

26° MEDIUM



Luminous flux luminaire 591 lm (EXTREME CUT OFF)

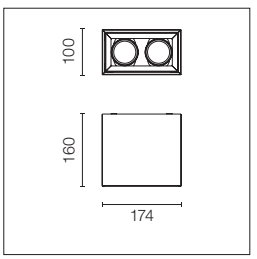
Beam Angle: 26°

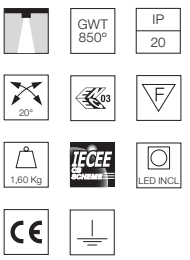
h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

Compass Box Small 2L

Light Source: LED Array 2x6,2W - 2x860 lm - 3000K/CRI 80





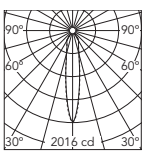


Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

- 03.2635.30A
- 03.2635.29A
- 03.2635.14A
- 03.2635.WGA
- 03.2635.TKA

18° SPOT



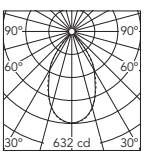
Luminous flux luminaire 601 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

- 03.2637.30A
- 03.2637.29A
- 03.2637.14A
- 03.2637.WGA
- 03.2637.TKA

59° WIDE FLOOD



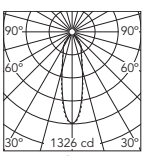
Luminous flux luminaire 580 lm (EXTREME CUT OFF)

Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2636.30A
- 03.2636.29A
- 03.2636.14A
- 03.2636.WGA
- 03.2636.TKA

26° MEDIUM



Luminous flux luminaire 591 lm (EXTREME CUT OFF)

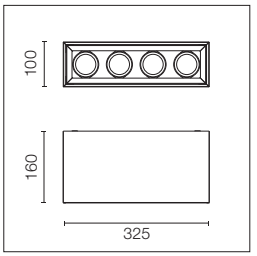
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

Compass Box Small 4L

Light Source: LED Array 4x6,2W - 4x860 lm - 3000K/CRI 80





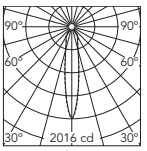
GWT 850° | IP 20 | 20° | 03 | F | 3 Kg | TECEE | LED INCL | CE

Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

- 03.2640.30A
- 03.2640.29A
- 03.2640.14A
- 03.2640.WGA
- 03.2640.TKA

18° SPOT



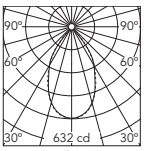
Luminous flux luminaire 601 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

- 03.2642.30A
- 03.2642.29A
- 03.2642.14A
- 03.2642.WGA
- 03.2642.TKA

59° WIDE FLOOD



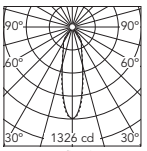
Luminous flux luminaire 580 lm (EXTREME CUT OFF)

Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2641.30A
- 03.2641.29A
- 03.2641.14A
- 03.2641.WGA
- 03.2641.TKA

26° MEDIUM



Luminous flux luminaire 591 lm (EXTREME CUT OFF)

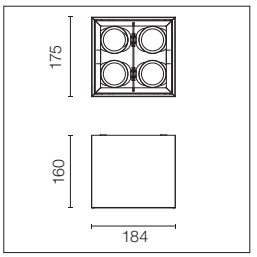
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

Compass Box Small 4L Square

Light Source: LED Array 4x6,2W - 4x860 lm - 3000K/CRI 80





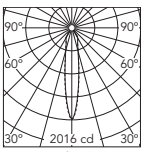
GWT 850° | IP 20 | 20° | 03 | F | 2,80 Kg | TECEE | LED INCL | CE

Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

- 03.2645.30A
- 03.2645.29A
- 03.2645.14A
- 03.2645.WGA
- 03.2645.TKA

18° SPOT



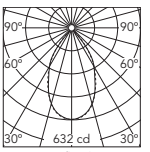
Luminous flux luminaire 601 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

- 03.2647.30A
- 03.2647.29A
- 03.2647.14A
- 03.2647.WGA
- 03.2647.TKA

59° WIDE FLOOD



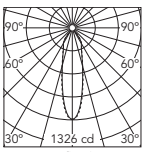
Luminous flux luminaire 580 lm (EXTREME CUT OFF)

Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2646.30A
- 03.2646.29A
- 03.2646.14A
- 03.2646.WGA
- 03.2646.TKA

26° MEDIUM



Luminous flux luminaire 591 lm (EXTREME CUT OFF)

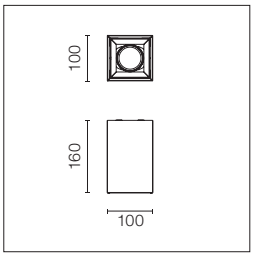
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

Compass Box Small 1L

Light Source: LED QR-CBC 51 GX5.3





GWT 850°
20°
1 Kg
IP 20
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

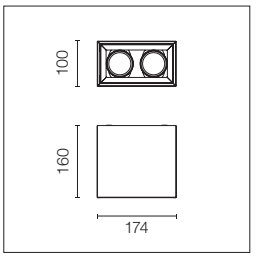
Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “leading and trailing edge” en lámparas compatibles.

- 03.2600.30
- 03.2600.29
- 03.2600.14
- 03.2600.WG
- 03.2600.TK

Compass Box Small 2L

Light Source: LED QR-CBC 51 GX5.3





GWT 850°
20°
1,50 Kg
IP 20
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

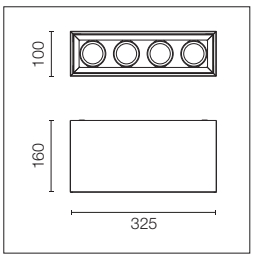
Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “trailing edge” en lámparas compatibles.

- 03.2601.30
- 03.2601.29
- 03.2601.14
- 03.2601.WG
- 03.2601.TK

Compass Box Small 4L

Light Source: LED QR-CBC 51 GX5.3





GWT 850°
20°
2,80 Kg
IP 20
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

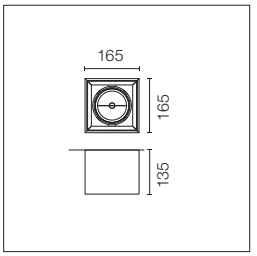
Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “trailing edge” en lámparas compatibles.

- 03.2603.30
- 03.2603.29
- 03.2603.14
- 03.2603.WG
- 03.2603.TK

Compass Box Large 1L H:135

Light Source: LED QR-111 G53





GWT 850°
20°
1,80 Kg
IP 20
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

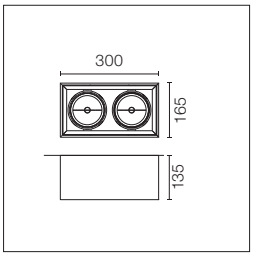
Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “trailing edge” en lámparas compatibles.

- 03.1060.30
- 03.1060.29
- 03.1060.14
- 03.1060.WG
- 03.1060.TK

Compass Box Large 2L H:135

Light Source: LED QR-111 G53





GWT 850°
20°
IP 20
2,90 Kg
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

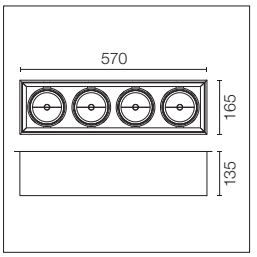
Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “trailing edge” en lámparas compatibles.

- 03.1061.30
- 03.1061.29
- 03.1061.14
- 03.1061.WG
- 03.1061.TK

Compass Box Large 4L H:135

Light Source: LED QR-111 G53





GWT 850°
20°
IP 20
4,80 Kg
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

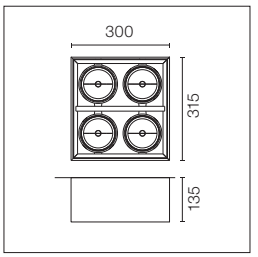
Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “trailing edge” en lámparas compatibles.

- 03.1063.30
- 03.1063.29
- 03.1063.14
- 03.1063.WG
- 03.1063.TK

Compass Box Large 4L H:135 Square

Light Source: LED QR-111 G53





GWT 850°
20°
IP 20
4,50 Kg
CE
F

Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in compatible lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación “trailing edge” en lámparas compatibles.

- 03.1064.30
- 03.1064.29
- 03.1064.14
- 03.1064.WG
- 03.1064.TK

Accessories / Accesorios

Compass Box Small: QR-CBC 51

Screening crosspiece
Cruceta de apantallamiento



08.8238.14

Honeycomb
Honeycomb



08.8196.14

Compass Box Large: QR-111

Screening crosspiece
Cruceta de apantallamiento



08.8034.14

Honeycomb
Honeycomb



08.8036.14

NEW

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 White 40 Blanco	02 Grey 02 Gris	14 Black 14 Negro	ET Brushed Brass ET Latón Cepillado	EU Brushed Rose Gold EU Oro Rosa Cepillado
Super Line					
Super Line Pro					

Super Line



Super Line Pro



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 65º 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.

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

Descripción
Colección de luminarias suspendidas para una iluminación general con una distintiva forma minimalista y diseñadas para ofrecer una iluminación de calidad y alto rendimiento, así como un confort visual, combinados en un tamaño realmente compacto.
La versión Super Line Pro ha sido diseñada para cumplir todos los requisitos contra deslumbramiento y confort visual en oficinas, que son las condiciones más restrictivas. Ofreciendo un UGR menor de 14 y un valor de intensidad máxima en un ángulo de 65º acorde a la norma menor de 3000 cd/m^2, lo que garantiza las mejores condiciones en espacios de trabajo y la hace perfecta para muchas otras aplicaciones. (Ver tablas UGR en el apartado de Accesorios).
El cuerpo principal de las luminarias está fabricado en aluminio extruido. Super Line está equipado con un filtro difusor técnico multicapa que, gracias a su combinación de filtros prismáticos y elípticos, asegura una distribución perfecta de la luz y mejora el efecto óptico y el confort visual mediante sus propiedades antideslumbramiento.
Super Line Up&Down está disponible en dos versiones:
- Indirect: versión que privilegia la emisión indirecta hacia arriba, con una intensidad luminosa indirecta más importante que homogeneiza el entorno de iluminación, diseñada para ofrecer un UGR<19 y la condición luminosa ideal requerida en espacios de trabajo.
- Direct: versión que privilegia la iluminación directa y maximiza la eficiencia, pero al mismo tiempo previene el “efecto cueva” con su intensidad indirecta garantizando un alto nivel de confort.
Super Line Pro Up&Down solo tiene una versión que se puede ajustar mediante el driver correspondiente para ofrecer mayor cantidad de flujo en su parte superior o inferior.
Para minimizar el impacto visual de la colección los propios cables de suspensión son los conductores, por lo que se elimina la manguera de alimentación. La longitud de suspensión es de 4,25 m.

Información de Instalación
Super Line se ha creado combinando el módulo de fuente de luz seleccionado con uno de los tres kits de instalación existentes:
- Surface Kit: incluye caja para ser instalada en superficie que incluye la fuente de alimentación.
- Integrated Kit: incluye caja de instalación a ras o encastrada que incluye la fuente de alimentación.
- Remote Power Supply Kit: incluye accesorio pasamuro para proteger los cables. Incluye fuente de alimentación para una instalación accesible a distancia.
Todos los kits de instalación están disponibles en versión DALI o en versión no regulable.
Super Line PRO dispone de los mismos kits de alimentación. Para la versión Up&Down las fuentes de alimentación disponen de dos salidas hacia la luminaria, cada una con una intensidad de corriente (mA). Conectando estas salidas a cada una a las entradas (Up o Down) de la luminaria se selecciona el flujo mayoritario y minoritario en cada parte.
Las versiones no regulables están equipadas con una alimentación de corriente múltiple que puede configurarse durante la instalación para conseguir las condiciones de iluminación necesarias. Los kits de instalación de Super Line vienen regulados desde nuestra fábrica con el 100% de su potencia nominal.
Todas las luminarias disponen de un nivel circular de alta precisión que simplifica la instalación de la misma y controla la calibración en ambos ejes.

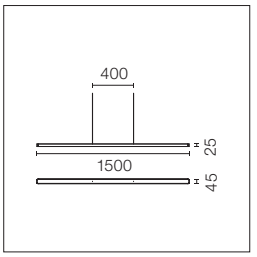
Información Adicional
Clase de aislamiento I.
índice de protección IP20.

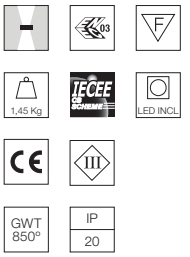
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Super Line Up&Down Indirect

Light Source: Top LED 58W - 4488 lm UP - 2160 lm DOWN - 3000K/CRI 90 / 58W - 4794 lm UP - 2280 lm DOWN - 4000K/CRI 90



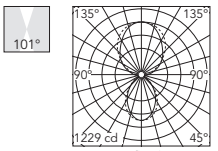




LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

3000K
- 03.9502.40
- 03.9502.02
- 03.9502.14
- 03.9502.ET
- 03.9502.EU

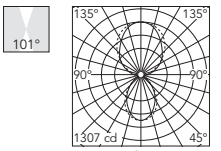


Luminous flux luminaire
4914 lm

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



Luminous flux luminaire
5225 lm

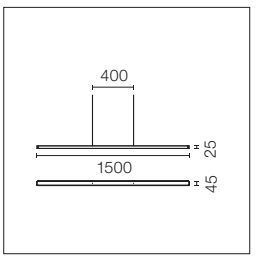
Beam Angle DIR: 101°

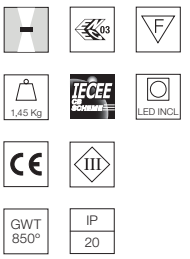
h(m)	E(lx)	D(m)
1	1307	2.39
2	327	4.78
3	145	7.17
4	82	9.57
5	52	11.96

Super Line Up&Down Direct

Light Source: Top LED 58W - 2268 lm UP - 4488 lm DOWN - 3000K/CRI 90 / 58W - 2376 lm UP - 4794 lm DOWN - 4000K/CRI 90



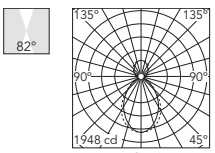




LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

3000K
- 03.9500.40
- 03.9500.02
- 03.9500.14
- 03.9500.ET
- 03.9500.EU

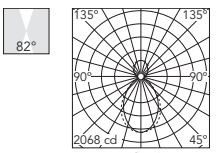


Luminous flux luminaire
5154 lm

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



Luminous flux luminaire
5472 lm

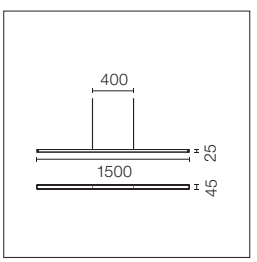
Beam Angle DIR: 82°

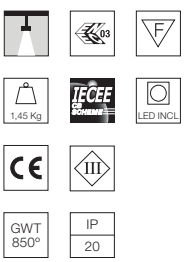
h(m)	E(lx)	D(m)
1	2068	1.57
2	517	3.13
3	230	4.70
4	129	6.27
5	83	7.84

Super Line Down

Light Source: Top LED 38,5W - 4488 lm - 3000K/CRI 90 / 38,5W- 4794 lm - 4000K/CRI 90



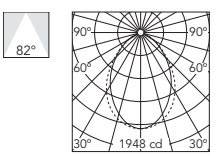




LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

3000K
- 03.9510.40
- 03.9510.02
- 03.9510.14
- 03.9510.ET
- 03.9510.EU

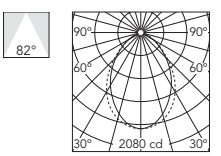


Luminous flux luminaire
3571 lm

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



Luminous flux luminaire
3814 lm

Beam Angle: 82°

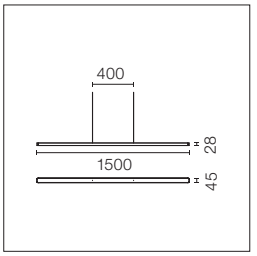
h(m)	E(lx)	D(m)
1	2080	1.57
2	520	3.13
3	231	4.70
4	130	6.27
5	83	7.84

NEW

Super Line Pro Up&Down

Light Source: 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



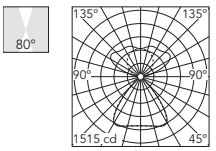




LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately. Greater Up or Down intensity can be selected using power kits with a device with two independent outputs.

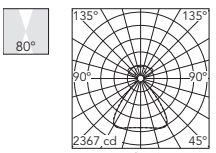
Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado. La selección del de mayor intensidad Up o Down, se realiza en los Kits de alimentación que disponen de un equipo con dos salidas independientes.

3000K
- 03.9560.40
- 03.9560.02
- 03.9560.14
- 03.9560.ET
- 03.9560.EU



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

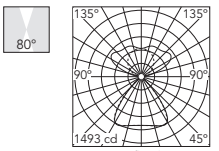


Luminous flux luminaire
6314 lm

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

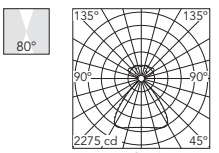
@White (40)

4000K
- 03.9561.40
- 03.9561.02
- 03.9561.14
- 03.9561.ET
- 03.9561.EU



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



Luminous flux luminaire
6172 lm

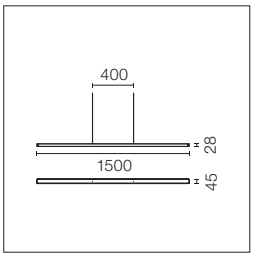
Beam Angle:		80°
h(m)	E(lx)	D(m)
1	2275	1.68
2	569	3.36
3	253	5.04
4	142	6.72
5	91	8.40

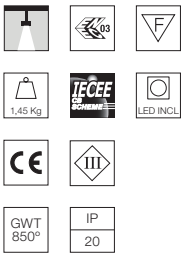
@White (40)

Super Line Pro Down

Light Source: Top LED 40W - 4765 lm - 3000K/CRI 90 / 40W- 5070 lm - 4000K/CRI 90



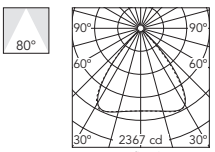




LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately, allowing the maximum brightness to be selected.

Luminaria LED de iluminación general con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado, pudiendo seleccionar la intensidad máxima.

3000K
- 03.9570.40
- 03.9570.02
- 03.9570.14
- 03.9570.ET
- 03.9570.EU

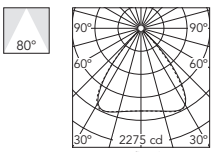


Luminous flux luminaire
3955 lm

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



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)

Accessories / Accesorios

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 65º<3000 cd.

Las versiones no regulables de Super Line y Super Line Pro Down están equipadas con una alimentación de corriente múltiple que puede configurarse durante la instalación para conseguir las condiciones de iluminación y los niveles de confort requeridos. Los kits de instalación vienen de fábrica con el 100% de su potencia nominal (1050 mA). Super Line Pro cumple en todas sus versiones y a máxima potencia con los requisitos de UGR<19 y L 65º<3000 cd.

Super Line

		Indirect		Direct	
Driver setting	**Light emission**	**UGR***	**L 65º < 3000 cd**	**UGR***	**L 65º < 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

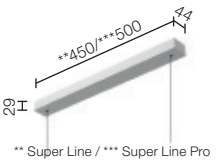
Light emission	**UGR***	**L 65º < 3000 cd**
Up & Down Majority Up	UGR < 14	√
Up & Down Majority Down	UGR < 17	√
Down	UGR < 18	√

Super Line / Super Line Pro Down

Surface Power Supply Kit

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.

Incluye fuente de alimentación 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



** Super Line / *** Super Line Pro

Non Dimmable
- 08.0520.40
- 08.0520.02
- 08.0520.14
- 08.0520.ET
- 08.0520.EU

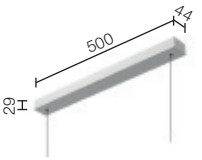
Dali Version*
- 08.0521.40
- 08.0521.02
- 08.0521.14
- 08.0521.ET
- 08.0521.EU

Super Line Pro Up&Down

Surface Power Supply Kit

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.

Incluye fuente de alimentación 85W - 220/240V. Los Kits para Super Line Pro Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



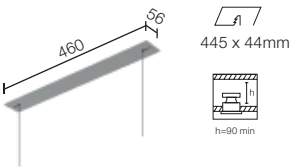
Non Dimmable/Dali Version
- 08.0640.40
- 08.0640.02
- 08.0640.14
- 08.0640.ET
- 08.0640.EU

Super Line / Super Line Pro Down

Recessed Power Supply Kit

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.

Incluye fuente de alimentación 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



Non Dimmable
- 08.0522.40
- 08.0522.02
- 08.0522.14
- 08.0522.ET
- 08.0522.EU

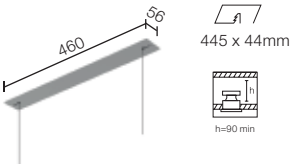
Dali Version*
- 08.0523.40
- 08.0523.02
- 08.0523.14
- 08.0523.ET
- 08.0523.EU

Super Line Pro Up&Down

Recessed Power Supply Kit

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.

Incluye fuente de alimentación 85W - 220/240V. Los Kits para Super Line Pro Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



Non Dimmable/Dali Version
- 08.0641.40
- 08.0641.02
- 08.0641.14
- 08.0641.ET
- 08.0641.EU

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* For 1-10V and Push versions, please ask the Front Office/Technical Department / Para versiones 1-10V y Push consultar al Front Office/Departamento técnico.

NEW

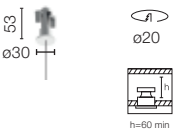
Accessories / Accesorios

Super Line / Super Line Pro Down

Remote Power Supply Kit

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.

Incluye dos kits de suspensión y una fuente de alimentación de 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



Non Dimmable
- 08.0524.40
- 08.0524.02
- 08.0524.14
- 08.0524.ET
- 08.0524.EU

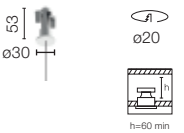
Dali Version*
- 08.0525.40
- 08.0525.02
- 08.0525.14
- 08.0525.ET
- 08.0525.EU

Super Line Pro Up&Down

Remote Power Supply Kit

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.

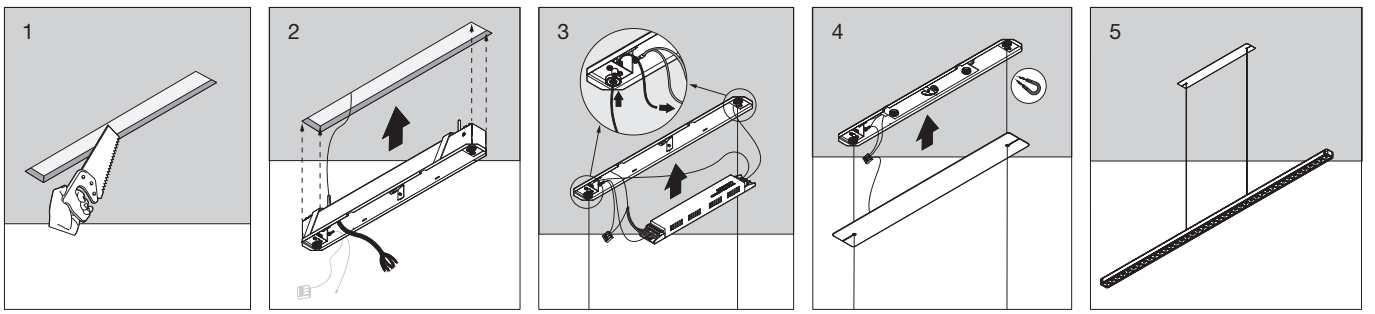
Incluye dos kits de suspensión y dos fuentes de alimentación de 45W - 220/240V. Los Kits para Super Line PRO Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



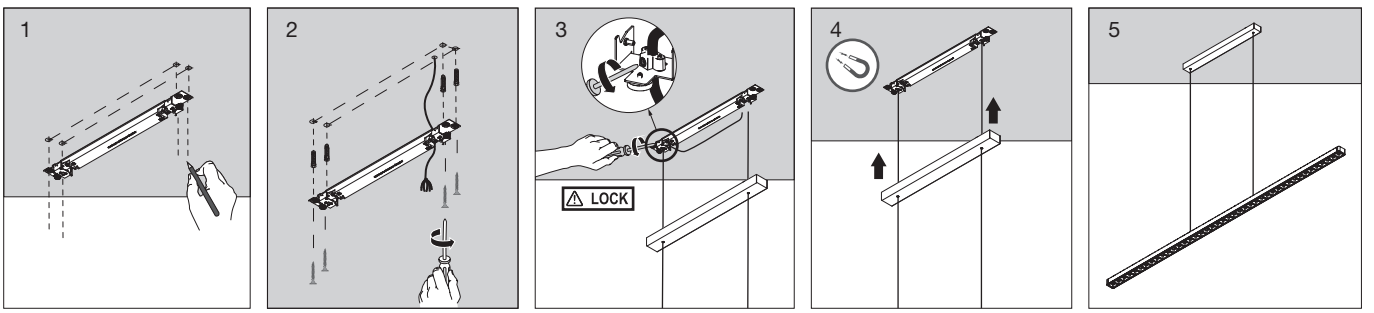
Non Dimmable/Dali Version
- 08.0642.40
- 08.0642.02
- 08.0642.14
- 08.0642.ET
- 08.0642.EU

Installation Sequence

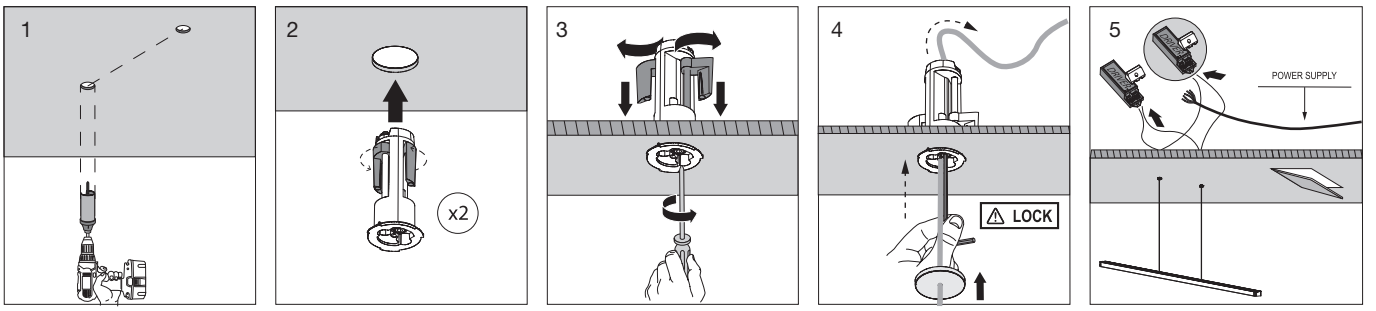
Recessed Power Supply Kit



Surface Power Supply Kit



Remote Power Supply Kit



* For 1-10V and Push versions, please ask the Front Office/Technical Department / Para versiones 1-10V y Push consultar al Front Office/Departamento técnico.

SUPER FLAT

DESIGNED BY FLOS ARCHITECTURAL

SUSPENSION
DOWN / UP&DOWN

60X60



90X90



120X30



LIGHT SOURCE
TOP LED
3000K/CRI 90
4000K/CRI 90

SURFACE

60X60

90X90



120X30

LIGHT SOURCE
TOP LED
3000K/CRI 90
4000K/CRI 90

30 White
30 Blanco



02 Grey
02 Gris



14 Black
14 Negro



Description
Family of general lighting luminaires with direct and indirect light distribution. The Super Flat family has several square and rectangular versions, all of which are made of extruded aluminium and with angle brackets made of injected aluminium.
Super Flat has some especially designed guides, guaranteeing optimal light flow and great visual comfort. Energy losses are minimised with this efficient and innovative lighting system.
The entire Super Flat family has been developed in suspended and surface mounted versions for greater product versatility.

Power Supply
The luminaire is supplied with integrated 220/240 V constant current power supply sources.

Additional Information
- Version 30x30:
Insulation class II, IP20 protection grade.
- Versions 60x60/90x90/120x20/120x30:
Insulation class I, IP20 protection grade.

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

Descripción
Familia de luminarias de iluminación general con distribución luminosa directa e indirecta. La familia Super Flat consta de varias versiones en forma cuadrada y rectangular, todas ellas realizadas en aluminio extruido y escuadras realizadas en aluminio de inyección.
Super Flat cuenta con unas guías especialmente diseñadas asegurando un flujo luminoso óptimo y un gran confort visual. La eficacia de este innovador sistema de iluminación permite reducir al mínimo las pérdidas de energía.
Para una mayor versatilidad del producto, toda la familia Super Flat se ha desarrollado en versiones suspendida y de superficie.

Unidades de Alimentación
La luminaria se suministra con las fuentes de alimentación de corriente constante 220/240V incluidas.

Información Adicional
- Versión 30x30:
Clase de aislamiento II, índice de protección IP20.
- Versiones 60x60/90x90/120x20/120x30:
Clase de aislamiento I, índice de protección IP20.

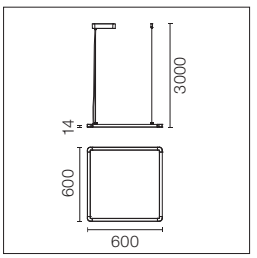
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

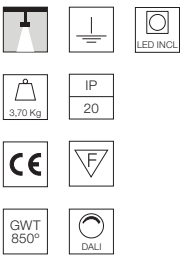
reddot design award
winner 2013

Super Flat Suspension 60x60 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







General lighting LED luminaire to be suspended from ceiling. Power supply 220/240V included.

3000K
Light Source:
Max. 4821 lm.
Luminous efficiency of luminaire:
Max. 115 lm/W
4000K
Light Source:
Max. 5303 lm.
Luminous efficiency of luminaire:
Max. 126 lm/W.

Total consumption of the system:
40W.

Luminaria LED de iluminación general para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

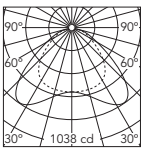
3000K
Light Source:
Max. 4821 lm.
Eficiencia de la luminaria:
Max. 115 lm/W
4000K
Light Source:
Max. 5303 lm.
Eficiencia de la luminaria:
Max. 126 lm/W.

Consumo total del sistema:
40W.

3000K
Non Dimmable
- 09.5010.30B
- 09.5010.02B
- 09.5010.14B

Dali Version
- 09.5010.30BDA
- 09.5010.02BDA
- 09.5010.14BDA





Luminous flux luminaire
3627 lm (EXTREME CUT OFF)

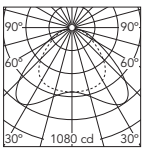
Beam Angle: 109°

h(m)	E(lx)	D(m)
1	1038	2.81
2	259	5.63
3	115	8.44
4	65	11.25
5	42	14.06

4000K
Non Dimmable
- 09.5011.30B
- 09.5011.02B
- 09.5011.14B

Dali Version
- 09.5011.30BDA
- 09.5011.02BDA
- 09.5011.14BDA





Luminous flux luminaire
3775 lm (EXTREME CUT OFF)

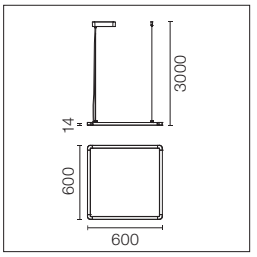
Beam Angle: 109°

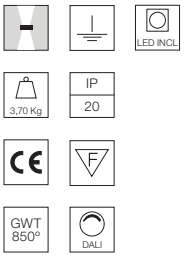
h(m)	E(lx)	D(m)
1	1080	2.81
2	270	5.63
3	120	8.44
4	68	11.25
5	43	14.06

Super Flat Suspension 60x60 Up&Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







General lighting LED luminaire, direct and indirect beam, to be suspended from ceiling. Power supply 220/240V included.

3000K
Light Source:
Up: Max. 2410 lm.
Down: Max. 2410 lm.
Luminous efficiency of luminaire:
Max. 115 lm/W
4000K
Light Source:
Up: Max. 2651 lm.
Down: Max. 2651 lm.
Luminous efficiency of luminaire:
Max. 126 lm/W.

Total consumption of the system:
40W.

Luminaria LED de iluminación general indirecta y directa para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

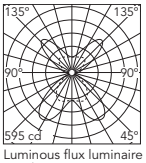
3000K
Light Source:
Up: Max. 2410 lm.
Down: Max. 2410 lm.
Eficiencia de la luminaria:
Max. 115 lm/W
4000K
Light Source:
Up: Max. 2651 lm.
Down: Max. 2651 lm.
Eficiencia de la luminaria:
Max. 126 lm/W.

Consumo total del sistema:
40W.

3000K
Non Dimmable
- 09.5015.30B
- 09.5015.02B
- 09.5015.14B

Dali Version
- 09.5015.30BDA
- 09.5015.02BDA
- 09.5015.14BDA





Luminous flux luminaire
3408 lm (EXTREME CUT OFF)

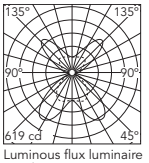
Beam Angle DIR: 52°

h(m)	E(lx)	D(m)
1	595	1.37
2	149	2.73
3	66	4.10
4	37	5.47
5	24	6.83

4000K
Non Dimmable
- 09.5016.30B
- 09.5016.02B
- 09.5016.14B

Dali Version
- 09.5016.30BDA
- 09.5016.02BDA
- 09.5016.14BDA





Luminous flux luminaire
3547 lm (EXTREME CUT OFF)

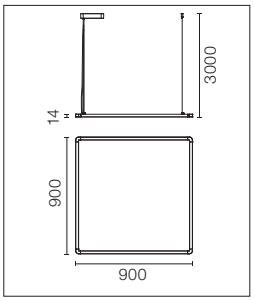
Beam Angle DIR: 52°

h(m)	E(lx)	D(m)
1	619	1.37
2	155	2.73
3	69	4.10
4	39	5.47
5	25	6.83

Super Flat Suspension 90x90 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







General lighting LED luminaire to be suspended from ceiling. Power supply 220/240V included.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

Total consumption of the system:
55W.

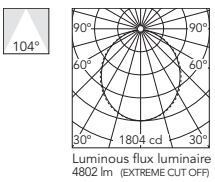
Luminaria LED de iluminación general para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Consumo total del sistema:
55W.

3000K
Non Dimmable
- 09.5020.30B
- 09.5020.02B
- 09.5020.14B

Dali Version
- 09.5020.30BDA
- 09.5020.02BDA
- 09.5020.14BDA



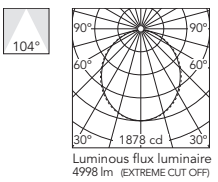
Luminous flux luminaire
4802 lm (EXTREME CUT OFF)

Beam Angle: 104°

h(m)	E(lx)	D(m)
1	1804	2.58
2	451	5.15
3	200	7.73
4	113	10.31
5	72	12.88

4000K
Non Dimmable
- 09.5021.30B
- 09.5021.02B
- 09.5021.14B

Dali Version
- 09.5021.30BDA
- 09.5021.02BDA
- 09.5021.14BDA



Luminous flux luminaire
4998 lm (EXTREME CUT OFF)

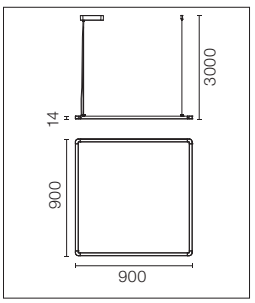
Beam Angle: 104°

h(m)	E(lx)	D(m)
1	1878	2.58
2	469	5.15
3	209	7.73
4	117	10.31
5	75	12.88

Super Flat Suspension 90x90 Up&Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







General lighting LED luminaire, direct and indirect beam, to be suspended from ceiling. Power supply 220/240V included.

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W
4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W

Total consumption of the system:
55W.

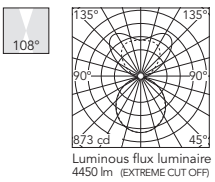
Luminaria LED de iluminación general indirecta y directa para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Eficiencia de la luminaria:
Max. 138 lm/W
4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Eficiencia de la luminaria:
Max. 151 lm/W

Consumo total del sistema:
55W.

3000K
Non Dimmable
- 09.5025.30B
- 09.5025.02B
- 09.5025.14B

Dali Version
- 09.5025.30BDA
- 09.5025.02BDA
- 09.5025.14BDA



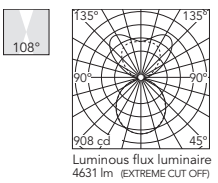
Luminous flux luminaire
4450 lm (EXTREME CUT OFF)

Beam Angle DIR: 108°

h(m)	E(lx)	D(m)
1	873	2.75
2	218	5.49
3	97	8.24
4	55	10.98
5	35	13.73

4000K
Non Dimmable
- 09.5026.30B
- 09.5026.02B
- 09.5026.14B

Dali Version
- 09.5026.30BDA
- 09.5026.02BDA
- 09.5026.14BDA



Luminous flux luminaire
4631 lm (EXTREME CUT OFF)

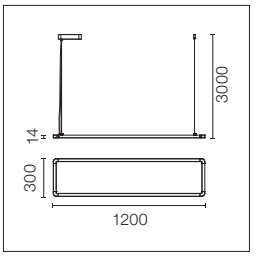
Beam Angle DIR: 108°

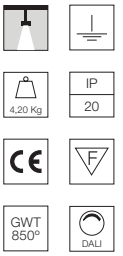
h(m)	E(lx)	D(m)
1	908	2.75
2	227	5.49
3	101	8.24
4	57	10.98
5	36	13.73

Super Flat Suspension 120x30 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







General lighting LED luminaire to be suspended from ceiling. Power supply 220/240V included.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

Total consumption of the system:
56W.

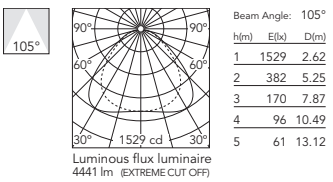
Luminaria LED de iluminación general para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Consumo total del sistema:
56W.

3000K
Non Dimmable
- 09.5040.30B
- 09.5040.02B
- 09.5040.14B

Dali Version
- 09.5040.30BDA
- 09.5040.02BDA
- 09.5040.14BDA



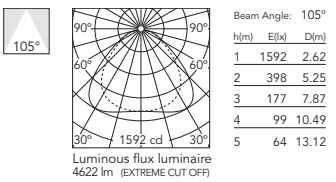
Luminous flux luminaire
4441 lm (EXTREME CUT OFF)

Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1529	2.62
2	382	5.25
3	170	7.87
4	96	10.49
5	61	13.12

4000K
Non Dimmable
- 09.5041.30B
- 09.5041.02B
- 09.5041.14B

Dali Version
- 09.5041.30BDA
- 09.5041.02BDA
- 09.5041.14BDA



Luminous flux luminaire
4622 lm (EXTREME CUT OFF)

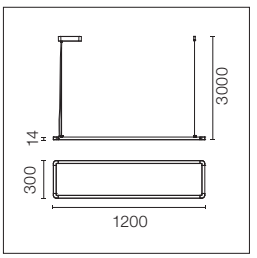
Beam Angle: 105°

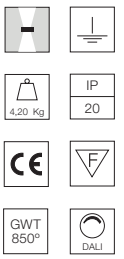
h(m)	E(lx)	D(m)
1	1592	2.62
2	398	5.25
3	177	7.87
4	99	10.49
5	64	13.12

Super Flat Suspension 120x30 Up&Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







General lighting LED luminaire, direct and indirect beam, to be suspended from ceiling. Power supply 220/240V included.

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W
4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W

Total consumption of the system:
56W.

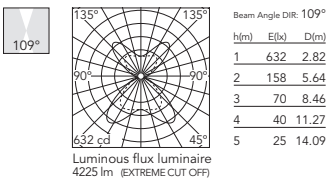
Luminaria LED de iluminación general indirecta y directa para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Eficiencia de la luminaria:
Max. 138 lm/W
4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Eficiencia de la luminaria:
Max. 151 lm/W

Consumo total del sistema:
56W.

3000K
Non Dimmable
- 09.5045.30B
- 09.5045.02B
- 09.5045.14B

Dali Version
- 09.5045.30BDA
- 09.5045.02BDA
- 09.5045.14BDA



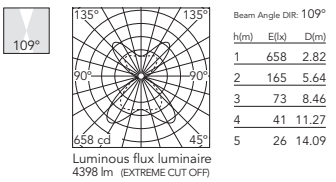
Luminous flux luminaire
4225 lm (EXTREME CUT OFF)

Beam Angle DIR: 109°

h(m)	E(lx)	D(m)
1	632	2.82
2	158	5.64
3	70	8.46
4	40	11.27
5	25	14.09

4000K
Non Dimmable
- 09.5046.30B
- 09.5046.02B
- 09.5046.14B

Dali Version
- 09.5046.30BDA
- 09.5046.02BDA
- 09.5046.14BDA



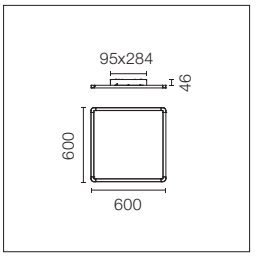
Luminous flux luminaire
4398 lm (EXTREME CUT OFF)

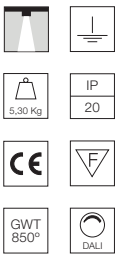
Beam Angle DIR: 109°

h(m)	E(lx)	D(m)
1	658	2.82
2	165	5.64
3	73	8.46
4	41	11.27
5	26	14.09

Super Flat Surface 60x60 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90





Surface mounted general lighting LED luminaire. Power supply 220/240V included.

3000K
Light Source:
Max. 4821 lm.
Luminous efficiency of luminaire:
Max. 115 lm/W
4000K
Light Source:
Max. 5303 lm.
Luminous efficiency of luminaire:
Max. 126 lm/W.

Total consumption of the system:
40W.

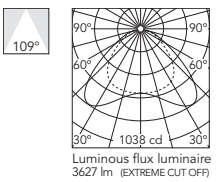
Luminaria LED de iluminación general para ser instalada a techo. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 4821 lm.
Eficiencia de la luminaria:
Max. 115 lm/W
4000K
Light Source:
Max. 5303 lm.
Eficiencia de la luminaria:
Max. 126 lm/W.

Consumo total del sistema:
40W.

3000K
Non Dimmable
- 09.6010.30B
- 09.6010.02B
- 09.6010.14B

Dali Version
- 09.6010.30BDA
- 09.6010.02BDA
- 09.6010.14BDA



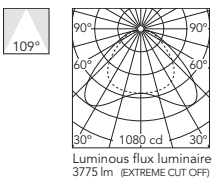
Luminous flux luminaire
3627 lm (EXTREME CUT OFF)

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	1038	2.81
2	259	5.63
3	115	8.44
4	65	11.25
5	42	14.06

4000K
Non Dimmable
- 09.6011.30B
- 09.6011.02B
- 09.6011.14B

Dali Version
- 09.6011.30BDA
- 09.6011.02BDA
- 09.6011.14BDA



Luminous flux luminaire
3775 lm (EXTREME CUT OFF)

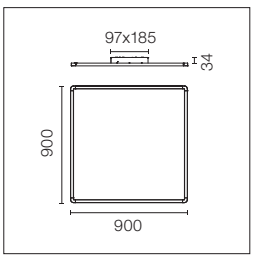
Beam Angle: 109°

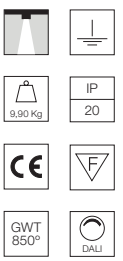
h(m)	E(lx)	D(m)
1	1080	2.81
2	270	5.63
3	120	8.44
4	68	11.25
5	43	14.06

Super Flat Surface 90x90 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90







Surface mounted general lighting LED luminaire. Power supply 220/240V included.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

Total consumption of the system:
55W.

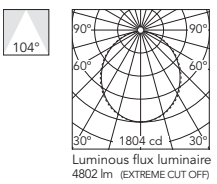
Luminaria LED de iluminación general para ser instalada a techo. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Consumo total del sistema:
55W.

3000K
Non Dimmable
- 09.6020.30B
- 09.6020.02B
- 09.6020.14B

Dali Version
- 09.6020.30BDA
- 09.6020.02BDA
- 09.6020.14BDA



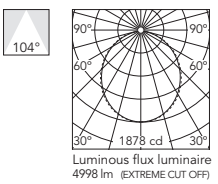
Luminous flux luminaire
4802 lm (EXTREME CUT OFF)

Beam Angle: 104°

h(m)	E(lx)	D(m)
1	1804	2.58
2	451	5.15
3	200	7.73
4	113	10.31
5	72	12.88

4000K
Non Dimmable
- 09.6021.30B
- 09.6021.02B
- 09.6021.14B

Dali Version
- 09.6021.30BDA
- 09.6021.02BDA
- 09.6021.14BDA



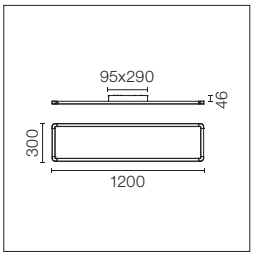
Luminous flux luminaire
4998 lm (EXTREME CUT OFF)

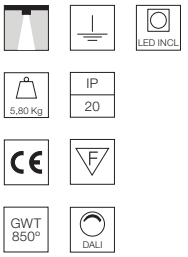
Beam Angle: 104°

h(m)	E(lx)	D(m)
1	1878	2.58
2	469	5.15
3	209	7.73
4	117	10.31
5	75	12.88

Super Flat Surface 120x30 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90





Surface mounted general lighting LED luminaire. Power supply 220/240V included.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

Total consumption of the system:
56W.

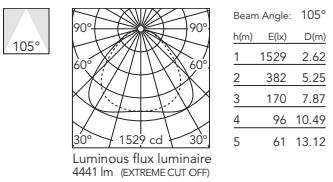
Luminaria LED de iluminación general para ser instalada a techo. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W
4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Consumo total del sistema:
56W.

3000K
Non Dimmable
- 09.6040.30B
- 09.6040.02B
- 09.6040.14B

Dali Version
- 09.6040.30BDA
- 09.6040.02BDA
- 09.6040.14BDA



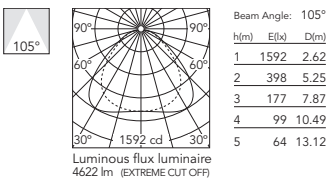
Luminous flux luminaire
4441 lm (EXTREME CUT OFF)

Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1529	2.62
2	382	5.25
3	170	7.87
4	96	10.49
5	61	13.12

4000K
Non Dimmable
- 09.6041.30B
- 09.6041.02B
- 09.6041.14B

Dali Version
- 09.6041.30BDA
- 09.6041.02BDA
- 09.6041.14BDA



Luminous flux luminaire
4622 lm (EXTREME CUT OFF)

Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1592	2.62
2	398	5.25
3	177	7.87
4	99	10.49
5	64	13.12

LIGHT BELL

DESIGNED BY PIERO LISSONI



LIGHT SOURCE
LED ARRAY
55W
6388 lm
2700K/CRI 90
6714 lm
3000K/CRI 90

Outside / Exterior

- 70 Matt White / 70 Blanco Mate
- AP Polished Aluminium / AP Aluminio Pulido
- AN Anodized Black / AN Negro Anodizado

Inside / Interior

- Anodized Aluminium / Aluminio Anodizado



- Anodized Aluminium / Aluminio Anodizado



- Gold / Oro



Outside / Exterior

- 18 Dark Brown / 18 Marrón Oscuro
- 7C Matt Black / 7C Negro Mate

Inside / Interior

- Gold / Oro



- Galvanic Copper / Cobre Galvanizado



Outside / Inside
Exterior / Interior

- 76 Transparent Glass / 76 Cristal Transparente



- CE Concrete / CE Cemento



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.

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

Descripción
Luminaria suspendida de iluminación general para ser instalada en interiores. Cuenta con una fuente de luz LED de última generación de alta eficiencia y difusor realizado en termoplástico técnico de bajas pérdidas.
El reflector de la luminaria se sirve por separado, y está disponible en aluminio repulsado en distintos decorados y en cristal transparente según versiones. Fuente de alimentación integrada en el cuerpo de la luminaria.

Fuente de Alimentación
Fuente de alimentación de corriente constante 220/240V integrada.

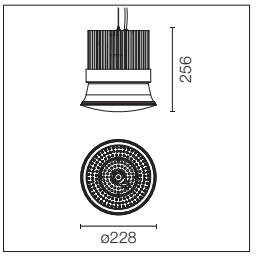
Información Adicional
Disponible en versiones Dali, y Dimmable Push.
Índice de protección IP20.
Clase de aislamiento I.
Disipador tipo pin-block.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Light Bell Light Source

Light Source: LED Array 55W - 6388 lm - 2700K/CRI 90 / 55W - 6714 lm - 3000K/CRI 90





3,81 Kg · TECEE · DALI · CE · LED INCL · GWT 850° · IP 20

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.

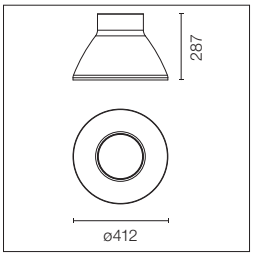
Luminaria suspendida para ser instalada a techo con fuente de luz LED (máxima distancia al techo 4 metros). Fuente de alimentación 220/240V integrada en el cuerpo de la luminaria. Reflector no incluido, se sirve por separado.
Consultar para IP superior.
Incluye cable de suspensión de 4m.

2700K
Non Dimmable
07.9641.14A
Dimmable Push
07.9641.14ADP
Dimmable Dali
07.9641.14ADA

3000K
Non Dimmable
07.9642.14A
Dimmable Push
07.9642.14ADP
Dimmable Dali
07.9642.14ADA

Light Bell Reflector



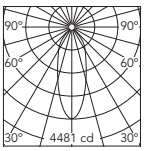


07.9630.70

0,95 Kg

E I **2700K**
07.9630.70
+
07.9641.14A

37°



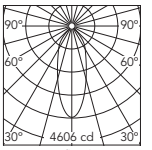
Luminous flux luminaire
3026 lm (EXTREME CUT OFF)

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

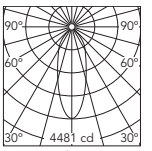


07.9630.AP

0,95 Kg

E I **2700K**
07.9630.AP
+
07.9641.14A

37°



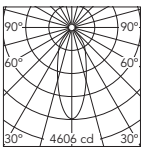
Luminous flux luminaire
3026 lm (EXTREME CUT OFF)

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

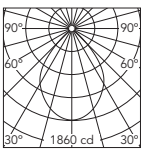


07.9630.AN

0,95 Kg

E I **2700K**
07.9630.AN
+
07.9641.14A

78°



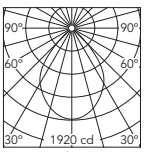
Luminous flux luminaire
2635 lm (EXTREME CUT OFF)

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= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Light Bell Reflector

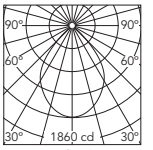


07.9630.18

0,95 Kg

E I **2700K**
07.9630.18
+
07.9641.14A

78°



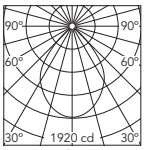
Luminous flux luminaire
2635 lm (EXTREME CUT OFF)

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**
07.9630.18
+
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

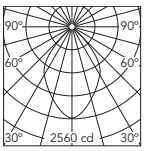


07.9630.7C

0,95 Kg

E I **2700K**
07.9630.7C
+
07.9641.14A

74°



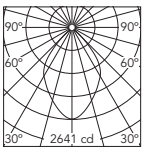
Luminous flux luminaire
3117 lm (EXTREME CUT OFF)

Beam Angle: 74°

h(m)	E(lx)	D(m)
1	2560	1.49
2	640	2.98
3	284	4.47
4	160	5.97
5	102	7.46

E I **3000K**
07.9630.7C
+
07.9642.14A

74°



Luminous flux luminaire
3233 lm (EXTREME CUT OFF)

Beam Angle: 74°

h(m)	E(lx)	D(m)
1	2641	1.50
2	660	2.99
3	293	4.49
4	165	5.98
5	106	7.48

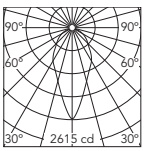


07.9630.76

3,41 Kg

2700K
07.9630.76
+
07.9641.14A

46°



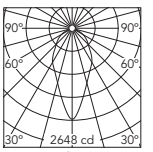
Luminous flux luminaire
3391 lm (EXTREME CUT OFF)

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

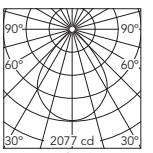


07.9630.CE

4 Kg

2700K
07.9630.CE
+
07.9641.14A

79°



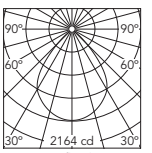
Luminous flux luminaire
3099 lm (EXTREME CUT OFF)

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

Accessories / Accesorios

Rosette for indoors. IP20.

Rosetón de alimentación para interiores. IP20.



Non Dimmable
F0556020
Dimmable Push/*Dali
F0557020

* The F0557020 Dali version has a 4-meter cable, 5 poles and a 0.75mm² section.
* La versión Dali F0557020 lleva cable de 4m, 5 polos y sección 0.75mm² .

Rosette. IP54.

Rosetón de alimentación. IP54.



08.8775.40

FORT KNOX WALL

DESIGNED BY PHILIPPE STARCK

FORT KNOX WALL



LIGHT SOURCE
POWER LED
35W
2930 lm
2700K/CRI 90
3900 lm
3000K/CRI 90
3256 lm
4000K/CRI 90

FORT KNOX WALL MINI



LIGHT SOURCE
POWER LED
25W
1885 lm
2700K/CRI 90
2700 lm
3000K/CRI 90
2133 lm
4000K/CRI 90

40 White
40 Blanco



05 Polished Aluminium
05 Aluminio Pulido



14 Black/RAL 9005
14 Negro



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 matt 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, Mains Dim or Dimmable Dali power source incorporated in the luminaire body.

Additional Information
IP20 protection grade.
Insulation class I.

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

Descripción
Luminaria de pared para luz indirecta.
Cuerpo realizado en aleación de aluminio inyectado a presión con acabado pulido a mano y protegido por pintura líquida transparente o barniz en polvo de color blanco o negro mate.
Soporte de pared realizado en aluminio inyectado. Gracias a su novedoso diseño, este soporte permite la regulación tanto en horizontal como en vertical de hasta 10 mm, garantizando una perfecta instalación sobre cualquier superficie. Además, el producto incorpora un nivel de burbuja que permite una perfecta calibración de la luminaria.

Reflectores
Lente asimétrica que gracias a su diseño adaptado, permite una eficiencia de la luminaria máxima además de una distribución óptima de la luz.

Unidades de Alimentación
Fuente de alimentación No Dimmable, Dimmable 1-10V, Mains Dim o Dimmable Dali incorporada en el cuerpo principal de la luminaria.

Información Adicional
Índice de protección IP20.
Clase de aislamiento I.

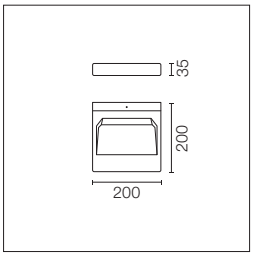
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

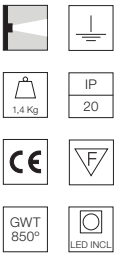
NEW

Fort Knox Wall

Light Source: Power LED 35W - 2930 lm - 2700K/CRI 90 / 35W - 3900 lm - 3000K/CRI 90 / 35W - 3256 lm - 4000K/CRI 90







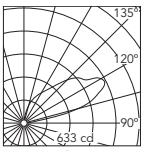
Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

Luminaria LED de pared para luz indirecta. Fuente de alimentación 220-240V integrada en el cuerpo de la luminaria.

2700K
Dimmable 1-10V
- ☐ 09.2111.40A
- ▨ 09.2111.05A
- ■ 09.2111.14A

Dali Version
- ☐ 09.2111.40ADA
- ▨ 09.2111.05ADA
- ■ 09.2111.14ADA

39°



Luminous flux luminaire 2177 lm

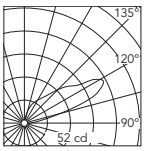
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	633	3.39
2	158	6.77
3	70	10.16
4	40	13.55
5	25	16.94

3000K
Dimmable 1-10V
- ☐ 09.2110.40C
- ▨ 09.2110.05C
- ■ 09.2110.14C

Dali Version
- ☐ 09.2110.40CDA
- ▨ 09.2110.05CDA
- ■ 09.2110.14CDA

30°



Luminous flux luminaire 3036 lm

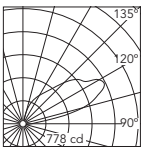
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	52	18.90
2	12	37.79
3	6	56.69
4	3	75.58
5	3	94.48

4000K
Dimmable 1-10V
- ☐ 09.2112.40A
- ▨ 09.2112.05A
- ■ 09.2112.14A

Dali Version
- ☐ 09.2112.40ADA
- ▨ 09.2112.05ADA
- ■ 09.2112.14ADA

39°



Luminous flux luminaire 2676 lm

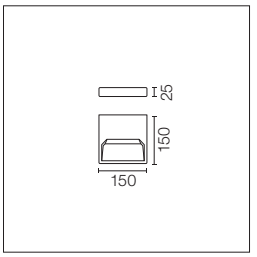
Beam Angle: 39°

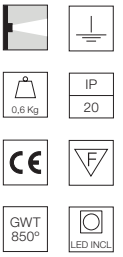
h(m)	E(lx)	D(m)
1	778	3.39
2	194	6.77
3	86	10.16
4	49	13.55
5	31	16.94

Fort Knox Wall Mini

Light Source: Power LED 25W - 1885 lm - 2700K/CRI 90 / 25W - 2700 lm - 3000K/CRI 90 / 25W - 2133 lm - 4000K/CRI 90







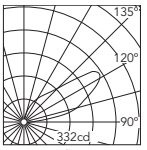
Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

Luminaria LED de pared para luz indirecta. Fuente de alimentación 220-240V integrada en el cuerpo de la luminaria.

2700K
Non Dimmable
- ☐ 09.2126.40
- ▨ 09.2126.05
- ■ 09.2126.14

Mains Dimming
- ☐ 09.2126.40.DM
- ▨ 09.2126.05.DM
- ■ 09.2126.14.DM

39°



Luminous flux luminaire 1440 lm

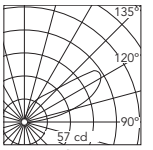
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	332	3.50
2	83	6.99
3	37	10.49
4	21	13.99
5	13	17.49

3000K
Non Dimmable
- ☐ 09.2125.40B
- ▨ 09.2125.05B
- ■ 09.2125.14B

Mains Dimming
- ☐ 09.2125.40BDM
- ▨ 09.2125.05BDM
- ■ 09.2125.14BDM

33°



Luminous flux luminaire 1972 lm

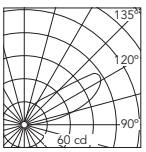
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	57	18.96
2	14	37.92
3	6	56.87
4	4	75.83
5	2	94.79

4000K
Non Dimmable
- ☐ 09.2127.40
- ▨ 09.2127.05
- ■ 09.2127.14

Mains Dimming
- ☐ 09.2127.40.DM
- ▨ 09.2127.05.DM
- ■ 09.2127.14.DM

33°



Luminous flux luminaire 2080 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	60	18.96
2	15	37.92
3	6	56.87
4	4	75.83
5	2	94.79

THIN LED

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SOURCE
TOP LED
20W/m
24V
1822 lm/m
3000K/CRI 90

30 White
30 Blanco



29 Anodized Aluminium
29 Aluminio Anodizado



BZ Anodized Bronze
BZ Bronce Anodizado



Patented and registered model / Modelo patentado y registrado.

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
24V power supplies available with a power of between 20W and 100W (3 metres in length).
Control system with 1-10V dimmer or Dali available.

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.

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

Descripción
Aparato de iluminación indirecta para ser instalado en la pared. Cuerpo en aluminio anodizado con reflector interior óptico realizado en aluminio super-puro. Muy fácil de instalar y extremadamente versátil. El circuito impreso está realizado con módulos articulados con un doble conector a través de contactos de plata. Esto asegura un alimentador de corriente seguro evitando daños que podrían originarse durante la fase de montaje.
Los LEDs utilizados con una ajustada frecuencia y una emisión de 120°, junto con el sistema reflector, garantizan unas prestaciones elevadas y una iluminación uniforme.
Gracias a un sistema patentado de control de emisiones de luz, el rendimiento de las lámparas es muy alto, con una distribución de iluminación óptima y muy confortable.

Unidades de Alimentación
Fuentes de alimentación de 24V disponibles desde 20W hasta 100W de potencia (3 metros de longitud).
Sistema de control con dimmer 1-10V o Dali disponibles.

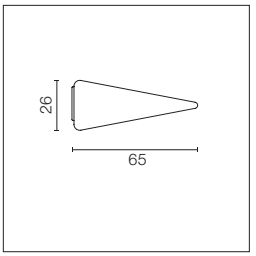
Información Adicional
Módulos de LED: 404 mm - 1201 mm - 1034 mm – 2040 mm - 2541 mm- 3042 mm.
Módulo deslumbramiento: 1034 mm.
Máxima longitud de conexión 3044 mm.
Cubiertas laterales incluidas.
Grado de protección IP20.
Clase de aislamiento III.
Instalable sobre superficies normalmente inflamables.

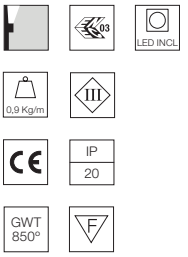
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Thin LED

Light Source: Top LED 20W/m - 24V - 1822 lm/m - 3000K/CRI 90



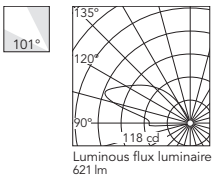




Wall application luminaire for indirect lighting with LED. Remote transformer not included.

Luminaria de pared de iluminación indirecta con LED. Transformador remoto no incluido.

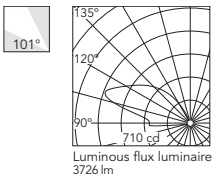
L: 404 mm
6,8W - 711 lm - 16 LEDs
- 09.0045.30B
- 09.0045.29B
- 09.0045.BZB



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

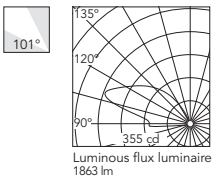
L: 2040 mm
41W - 4266 lm - 84 LEDs
- 09.0101.30B
- 09.0101.29B
- 09.0101.BZB



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

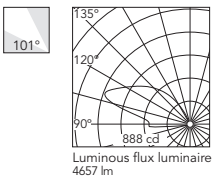
L: 1034 mm
20,5W - 2133 lm - 42 LEDs
- 09.0100.30B
- 09.0100.29B
- 09.0100.BZB



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

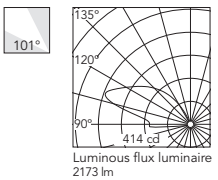
L: 2541 mm
47,8W - 5250 lm - 105 LEDs
- 09.0102.30B
- 09.0102.29B
- 09.0102.BZB



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

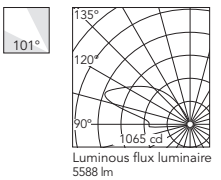
L: 1201 mm
23,9W - 2450 lm - 55 LEDs
- 09.0120.30B
- 09.0120.29B
- 09.0120.BZB



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

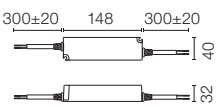
* To create continuous profile lines / Para crear líneas de perfil continuas.

Drivers / Equipos

Electronic transformer with constant voltage (24V) for LED. 100/240V.

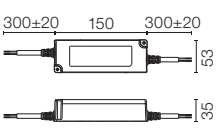
Transformador electrónico de tensión constante (24V) para LED. 100/240V.





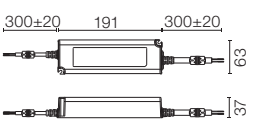
25W
60.8703





60W
60.9089



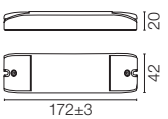


120W
60.9407

Dimmable 1-10V control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable 1-10V de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



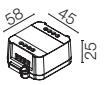


60.8640

Dimmable Dali control unit for 12 to 48V LED modules. Power supply not included. Maximum lenght 5 m/92,5W.

Unidad de control dimable Dali para la regulación de módulos LED, para equipos de 12 a 48V. No incluye fuente de alimentación. Máxima longitud 5 m/92,5W.





60.9678

WALL SYSTEM

DESIGNED BY ANTONIO CITTERIO

BACK 1



LIGHT SOURCE
TOP LED
6W
426 lm
3000K/CRI 80

BACK 1
OPTICAL
SWITCH



BACK 2



LIGHT SOURCE
TOP LED
8W
553 lm
3000K/CRI 80

UP&DOWN



LIGHT SOURCE
POWER LED
4W
2X150 lm
3000K/CRI 82

MINIKELVIN
WALL FLEX



MINIKELVIN
FLEX



LIGHT SOURCE
TOP LED
4W
216 lm
3000K/CRI 85

Wall System

57 Chrome
57 Cromo



Minikelvin

09 White
09 Blanco



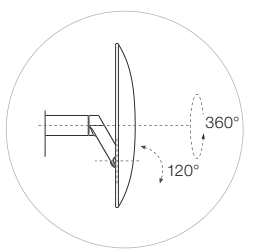
57 Chrome
57 Cromo



30 Black
30 Negro



Can be rotated 360° and swivelled 120°.
Puede ser rotado 360° y orientado 120°.



Description
Range of indirect-illumination (Wall System Back), dual-emission, direct-illumination (Wall System up&down) and diffuse illumination (Wall System Minikelvin Flex and Minikelvin Wall Flex) wall-mounted lighting devices.
- Wall System Back and Wall System Up&Down:
Body in die-cast aluminium with chrome finish, wall attachment in injection-stamped PC. The diffuser is in injection-stamped, internally photo-etched methacrylate.
- Wall System Minikelvin Flex:
Die-cast head in chrome finish or painted (black / white) mounted on flexible tube, diffuser in methacrylate externally photo-etched with aluminate frame.
For the Back, Up&Down and Minikelvin Flex models, two versions are available: recessed with integrated driver, which takes round wall ornamentals (ø125) in aluminium, white or black colour, or recessed with remote driver, flush with wall without ornamental. The version with integrated driver uses as casing either masonry boxes or plaster board, widely available all over Europe. For the US market, housing in the standard J-box is envisaged.
- Minikelvin Wall Flex:
Die-cast head in chrome finish or painted (black / white) mounted on flexible tube, diffuser in methacrylate externally photo-etched with aluminate frame. Wall attachment in injection-stamped PC.

Power Supply
Versions with integrated driver have a latest-generation electronic transformer.

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

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

Descripción
Familia de aparatos de iluminación para su instalación a pared y de luz indirecta (Wall System Back), directa con doble haz de luz (Wall System up&down) y de luz difusa (Wall System Minikelvin Flex y Minikelvin Wall Flex).
- Wall System Back y Wall System Up&Down:
Cuerpo de aluminio fundido a presión con acabado cromado, sujeción a pared de PC estampado por inyección. El difusor es de metacrilato fotograbado internamente y estampado por inyección.
- Wall System Minikelvin Flex:
Cabeza de aluminio fundido a presión, acabado cromado o pintado (blanco/negro). Va montada sobre un tubo flexible, difusor en metacrilato fotograbado externamente con moldura aluminizada.
Para los modelos Back, Up&Down y Minikelvin Flex, hay dos versiones disponibles: empotrado con controlador integrado, que está equipado con embellecedor de pared redondo (ø125), color aluminio, blanco o negro, o, empotrado con controlador remoto, a ras de la pared sin embellecedor. La versión con controlador integrado utiliza indistintamente como encofrado las cajas para pared de mampostería o de pladur, que pueden encontrarse fácilmente en todos los mercados europeos. En el caso del mercado americano, se prevé su colocación en una "J-box" estándar.
- Minikelvin Wall Flex:
Cabeza de aluminio fundido a presión cromado o pintado (blanco/negro) montado sobre un tubo flexible, difusor de metacrilato fotograbado externamente con moldura aluminizada. Fijación a pared en PC estampado por inyección.

Unidades de Alimentación
Las versiones con controlador integrado disponen de un transformador electrónico de última generación.

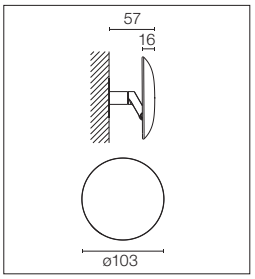
Información Adicional
Índice de protección IP20.
Clase de aislamiento III.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Wall System Back 1 Remote Power Supply

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80



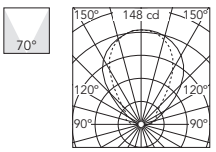


IP 20 · 0,30 Kg · F · CE · LED INCL · III

Indirect-illumination lighting device for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con luz indirecta y controlador remoto.

F9492057



Beam Angle: 70°

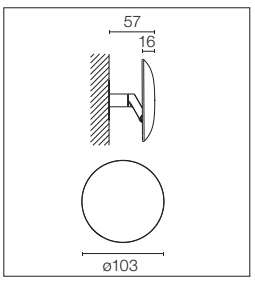
h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

Luminous flux luminaire 269 lm

Wall System Back 1 Power Supply Integrated

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80





IP 20 · 0,42 Kg · F · CE · LED INCL · III

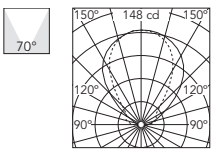
Indirect-illumination lighting device for wall mounting with integrated driver and with round ornamental (ø125).

See available accessories.
For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Aparato de iluminación para su instalación en la pared con luz indirecta y controlador integrado. Se complementa con un embellecedor redondo (ø125).

Ver accesorios disponibles.
Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

F9494057



Beam Angle: 70°

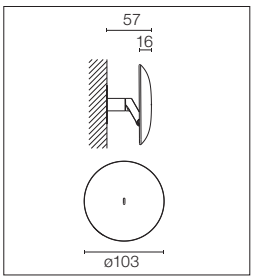
h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

Luminous flux luminaire 269 lm

Wall System Back 1 Remote Power Supply Optical Switch

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80



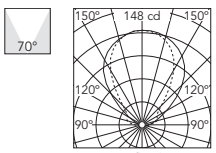


IP 20 · 0,30 Kg · F · CE · 0-50-100% DIMMER · III · LED INCL

Indirect-illumination lighting device for installation flush with the wall with remote driver.
ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación a ras de la pared con luz indirecta y controlador remoto.
Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

F9493057



Beam Angle: 70°

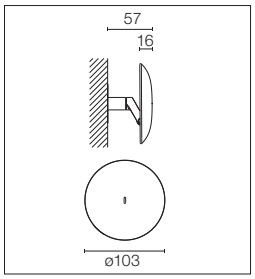
h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

Luminous flux luminaire 269 lm

Wall System Back 1 Power Supply Integrated Optical Switch

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80







Indirect-illumination lighting device for wall mounting with integrated driver and with round ornamental (ø125). ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

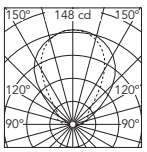
See available accessories.

Aparato de iluminación para su instalación en la pared con luz indirecta y controlador integrado. Se complementa con un embellecedor redondo (ø125). Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%)

Ver accesorios disponibles.

F9497057





Beam Angle: 70°

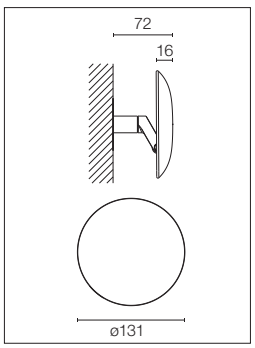
h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

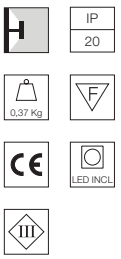
Luminous flux luminaire
269 lm

Wall System Back 2 Remote Power Supply

Light Source: Top LED 8W - 553 lm - 3000K/CRI 80





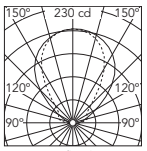


Indirect-illumination lighting device for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con luz indirecta y controlador remoto.

F9466057





Beam Angle: 70°

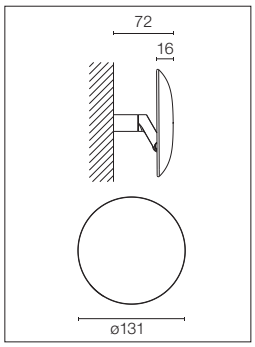
h(m)	E(lx)	D(m)
1	230	2.07
2	57	4.14
3	26	6.21
4	14	8.28
5	9	10.35

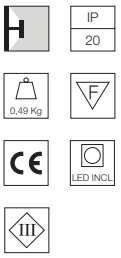
Luminous flux luminaire
407 lm

Wall System Back 2 Power Supply Integrated

Light Source: Top LED 8W - 553 lm - 3000K/CRI 80







Indirect-illumination lighting device for wall mounting with integrated driver and with round ornamental (ø125).

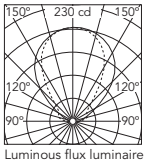
See available accessories.
For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Aparato de iluminación para su instalación en la pared con luz indirecta y controlador integrado. Se complementa con un embellecedor redondo (ø125).

Ver accesorios disponibles.
Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

F9467057





Beam Angle: 70°

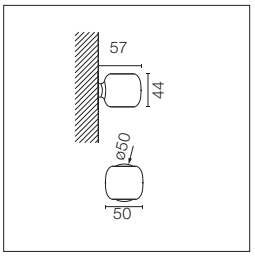
h(m)	E(lx)	D(m)
1	230	2.07
2	57	4.14
3	26	6.21
4	14	8.28
5	9	10.35

Luminous flux luminaire
407 lm

Wall System Up&Down Remote Power Supply

Light Source: Power LED 4W - 2x150 lm - 3000K/CRI 82





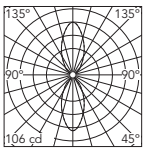
IP 20 · 0,27 Kg · F · CE · LED INCL · III

Lighting device with dual emission bulb for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con doble emisión de luz y controlador remoto.

F9477057





Luminous flux luminaire 164 lm

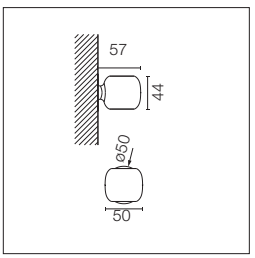
Beam Angle DIR: 49°

h(m)	E(lx)	D(m)
1	106	0.92
2	26	1.83
3	12	2.75
4	7	3.66
5	4	4.58

Wall System Up&Down Power Supply Integrated

Light Source: Power LED 4W - 2x150 lm - 3000K/CRI 82





IP 20 · 0,39 Kg · F · CE · LED INCL · III

Lighting device with dual emission bulb for wall mounting with remote driver and with round ornamental (ø125).

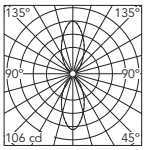
See available accessories.
For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Aparato de iluminación para su instalación en la pared con doble emisión de luz y controlador integrado. Se complementa con un embellecedor redondo (ø125).

Ver accesorios disponibles.
Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

F9474057





Luminous flux luminaire 164 lm

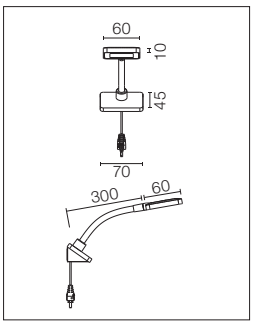
Beam Angle DIR: 49°

h(m)	E(lx)	D(m)
1	106	0.92
2	26	1.83
3	12	2.75
4	7	3.66
5	4	4.58

Minikelvin Wall Flex

Light Source: Top LED 4W - 216 lm - 3000K/CRI 85





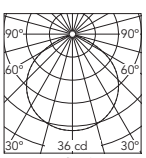
IP 20 · 0,38 Kg · F · CE · 0-50-100% DIMMER · III · LED INCL

Diffuse illumination lighting device for wall mounting Wall attachment in die-cast aluminium. The adaptor is on the plug and the useful cable length is 200 cm. ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación en la pared con luz difusa. Fijación a la pared de aluminio fundido a presión. El transformador se encuentra en el enchufe y el cable presenta una longitud útil de 200 cm. Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

F4185009
F4185057
F4185030





Luminous flux luminaire 96 lm

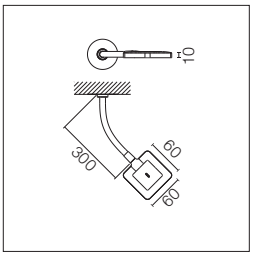
Beam Angle: 111°

h(m)	E(lx)	D(m)
1	36	2.89
2	9	5.77
3	4	8.66
4	2	11.55
5	1	14.44

Wall System Minikelvin Flex Remote Power Supply

Light Source: Top LED 4W - 216 lm - 3000K/CRI 85



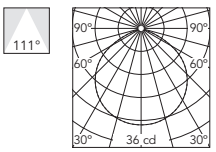




Diffuse illumination lighting device for installation flush with the wall with remote driver. ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación a ras de la pared con luz difusa y controlador remoto. Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

F9478009
F9478057
F9478030



Luminous flux luminaire 96 lm

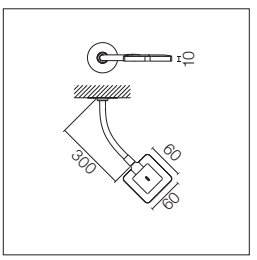
Beam Angle: 111°

h(m)	E(lx)	D(m)
1	36	2.89
2	9	5.77
3	4	8.66
4	2	11.55
5	1	14.44

Wall System Minikelvin Flex Power Supply Integrated

Light Source: Top LED 4W - 216 lm - 3000K/CRI 85







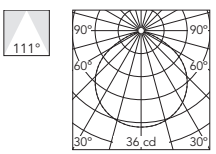
Diffuse illumination lighting device for installation flush with the wall with integrated driver and with round ornamental (ø125). ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

See available accessories.
For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Aparato de iluminación para su instalación en la pared con luz difusa y controlador integrado. Se complementa con un embellecedor redondo (ø125). Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

Ver accesorios disponibles.
Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

F9463009
F9463057
F9463030



Luminous flux luminaire 96 lm

Beam Angle: 111°

h(m)	E(lx)	D(m)
1	36	2.89
2	9	5.77
3	4	8.66
4	2	11.55
5	1	14.44

Accessories / Accesorios

3-Module flush mounted box for masonry, measuring 119x80x50 mm.

Caja para empotrar con 3 módulos para mampostería, con dimensiones 119x80x50 mm.



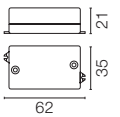
80.8067

Drivers / Equipos

Electronic transformer with constant voltage (24V) for LED. 220/240V, 50/60Hz.

Transformador electrónico de tensión constante (24V) para LED. 220/240V, 50/60Hz.



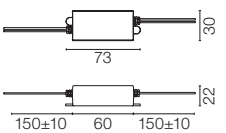


8W - Remote installation
60.8079

Electronic transformer with constant voltage (24V) for LED. 110/240V, 50/60Hz.

Transformador electrónico de tensión constante (24V) para LED. 110/240V, 50/60Hz.





60.9157

G - O

DESIGNED BY JORGE HERRERA



LIGHT SOURCE
TOP LED
1,2W
105 lm
3000K/CRI 90

30 White 30 Blanco	29 Anodized Aluminium 29 Aluminio Anodizado	55 Stainless Steel 55 Acero Inoxidable	BZ Bronze BZ Bronce	AN Anodized Black AN Negro Anodizado
				

Light Colours
Colores de la Luz

White Light Luz Blanca	Amber Light Luz Ámbar
	

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.

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

Descripción
Luminaria empotrada concebida para uso interior en todos sus acabados, excepto el acero inoxidable que es apto también para uso exterior.
Disponible con fuente de luz LED de última generación apta para responder a las diversas necesidades de señalizadores a lo largo de caminos de paso o escaleras.
Disponible en diferentes colores de luz mediante un difusor interno coloreado. El cuerpo de la luminaria está realizado en aluminio, acero inoxidable o bronce mecanizado.

Unidades de Alimentación
Fuente de alimentación de tensión constante no incluida, disponible como accesorio.
Es posible instalar hasta 6 ó 15 G-O con las fuentes de alimentación recomendadas.

Accesorios
Dispone de accesorio para empotrar en paredes de hormigón realizado en alumino extruido.

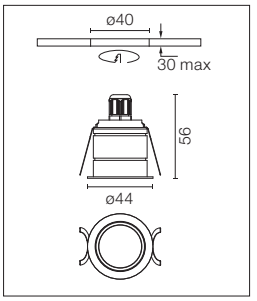
Información Adicional
Índice de protección IP65.
Clase de aislamiento III.
Instalable sobre superficie normalmente inflamables.

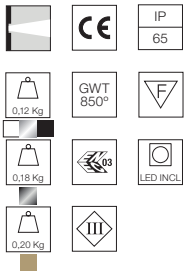
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

G-O

Light Source: Top LED 1,2W - 24V - 105 lm - 3000K/CRI 90







Semi recessed signalling lamp for indoor use on ceiling/wall. Power supply not included. 1000 mm power cable included.

Luminaria de señalización semiempotrada para aplicación interior a techo/pared. Fuente de alimentación no incluida. Inlcuye cable de alimentación de 1000 mm.

Equipment for remote installation in an accesible place: it does not fit through the recessing hole of the luminaire, except 60.9157.

Equipo para instalación remota en lugar accesible: no cabe a través del agujero de empotramiento de la luminaria, salvo el 60.9157.

Recommended power supply / Equipos recomendados*:

Non Dimmable 110-240V	60.9157 (8W)
Non Dimmable 220-240V	60.8703 (25W)
Dali Controler	60.9678

* Refer to the Drivers chapter / Ver capítulo Drivers

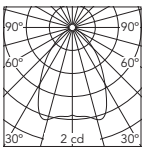
For Dali installation, the non-dimmable kit and the Dali controller are needed.

Para instalación Dali es necesario el equipo no dimable y el controlador Dali.

White Light/Luz Blanca

- 09.3200.30A
- 09.3200.29A
- 09.3200.55A
- 09.3200.BZA
- 09.3200.ANA





Luminous flux luminaire
4 lm

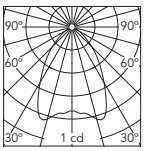
Beam Angle: 74°

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 Light/Luz Ámbar

- 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

Accessories / Accesorios

Housing for recessed installation made in anodized aluminium for outdoor installation.

Cuerpo de empotramiento realizado en aluminio anodizado para instalación en exterior.



08.8422.00

THEBLOCKOFLIGHT

DESIGNED BY KNUD HOLSCHER



LIGHT SOURCE
POWER LED
2,2W
154 lm
3000K/CRI 80

☐ 01 Matt White
01 Blanco Mate



72 Grey
72 Gris



04 Matt Black
04 Negro Mate



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 matt white, grey or matt 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.

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

Descripción
Luminaria empotrada concebida para uso interior o exterior (grado de protección IP65). Disponible con fuente de luz LED de última generación apta para responder a las diversas necesidades de señalizadores a lo largo de caminos de paso o escaleras.
Frontal realizado en aluminio con acabado en pintura blanco mate, gris o negro mate.

Unidades de Alimentación
Fuente de alimentación de corriente constante 100/240V, 50/60Hz no regulable integrada. Alimentación a 700 mA.

Accesorios
Dispone de accesorio para empotrar en paredes de hormigón realizado en acero galvanizado.

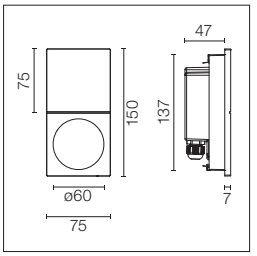
Información Adicional
Índice de protección IP65.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.

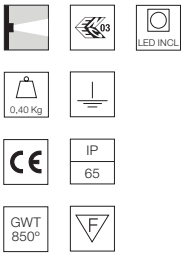
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

TheBlockofLight

Light Source: Power LED 2,2W - 154 lm - 3000K/CRI 80





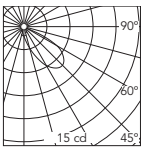


Semi-recessed signalling lamp for indoor or outdoor use. Non-regulable 100-240V, 50-60Hz power supply and 500 mm power cable included.

Luminaria de señalización semiempotrada para aplicación interior o exterior. Fuente de alimentación no regulable 100-240V, 50-60Hz integrada. Inlcuye cable de alimentación de 500 mm.

☐ 09.3310.01C





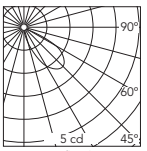
Luminous flux luminaire
85 lm

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





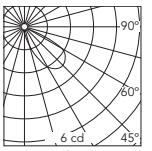
Luminous flux luminaire
40 lm

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

Accessories / Accesorios

Can for embedding in concrete.

Can para empotrar en hormigón.



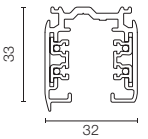
08.8423.00

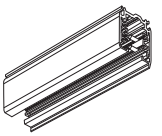
Three Phase Track
GLOBAL TRACK offers benefits for advanced installations: the main connectors are feedable and the feeding cable can be hidden under the elegant suspension accessories. GLOBAL TRACK lighting tracks are designed for easy surface mounting on ceilings and walls, or recessed mounting in 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.

Carril Trifásico
GLOBAL TRACK ofrece ventajas para instalaciones avanzadas: los conectores principales son alimentables y el cable de alimentación puede ocultarse debajo de los elegantes accesorios de suspensión. Los carriles de iluminación GLOBAL TRACK están diseñados para facilitar su colocación superficial en paredes y techos, o empotrados en falsos techos. Los carriles pueden suspenderse a la altura deseada.
Otras ventajas del sistema trifásico son su alta capacidad de carga y la posibilidad de formar grupos lumínicos independientes en cada uno de los tres circuitos. Esto permite la iluminación de los entornos más exigentes.

Surface







1000 mm
- 60.3101.11
- 60.3101.29
- 60.3101.14

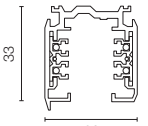
Dali Version
- 60.3101.11ADA
- 60.3101.29ADA
- 60.3101.14ADA

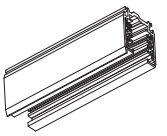
2000 mm
- 60.3102.11
- 60.3102.29
- 60.3102.14

Dali Version
- 60.3102.11ADA
- 60.3102.29ADA
- 60.3102.14ADA

Surface Dali







3000 mm
- 60.3103.11
- 60.3103.29
- 60.3103.14

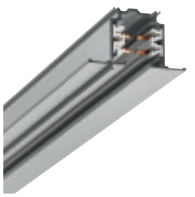
Dali Version
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- 60.3103.29ADA
- 60.3103.14ADA

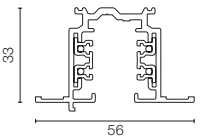
4000 mm
- 60.3104.11
- 60.3104.29
- 60.3104.14

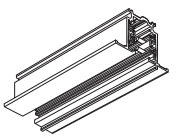
Dali Version
- 60.3104.11ADA
- 60.3104.29ADA
- 60.3104.14ADA

IP 20

Recessed







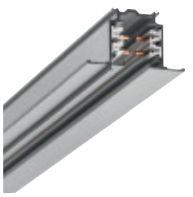
1000 mm
- 60.3810.11
- 60.3810.29
- 60.3810.14

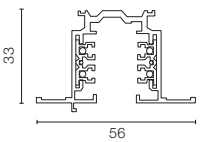
Dali Version
- 60.3810.11ADA
- 60.3810.29ADA
- 60.3810.14ADA

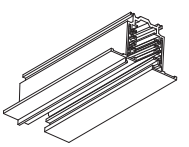
2000 mm
- 60.3820.11
- 60.3820.29
- 60.3820.14

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

4000 mm
- 60.3840.11
- 60.3840.29
- 60.3840.14

Dali Version
- 60.3840.11ADA
- 60.3840.29ADA
- 60.3840.14ADA

IP 20

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.
Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

Suspension rod with 1000mm rose. m6 thread.

Varilla de suspensión con rosetón 1000 mm con fileteado m6.



- ☐ 60.3014.11
- ■ 60.3014.14

1000 mm suspension rod extension set m6 thread.

Extensión para varilla de suspensión 1000 mm con fileteado m6.

- ☐ 60.3097.11*
- ■ 60.3097.14*

Attachment on track for steel cable suspension with M6 thread end

Fijación a carril para cable de acero con terminal roscado M6.



- ☐ 60.3008.11
- ■ 60.3008.14

Ceiling fitting with rose.

Conexión de techo con rosetón.



- ☐ 60.3094.11
- ■ 60.3094.14

Attachment on track for rod suspension M6 thread.

Fijación a carril para suspensión con varilla con fileteado M6.



- ☐ 60.3018.11
- ■ 60.3018.14

* 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.

* Cable de acero recomendado si la estructura por sus dimensiones está equilibraba, es estable e incluye una o más esquinas, ya que en estas estructuras el carril no se inclina, aunque no se equilibre el peso de las luminarias.

Lead-weighted wire without rose and ceiling fitting.

Cable de suspensión con plomo sin rosetón a techo.



1500 mm
- ■ 60.3095.29

3000 mm
- ■ 60.3096.29

Bracket for track fixing wall/ceiling or suspension with lead-weighted wire.

Fijación a techo/pared o para cable de suspensión con plomo.



- ☐ 60.3025.11
- ■ 60.3025.14
- ■ 60.3025.29

Bracket for fixing track to wall or ceiling.

Fijación del carril a techo/pared lateral.



- ■ 60.3093.29

Attachment on track for wire suspension.

Fijación a carril para suspensión con cable.



- ☐ 60.3057.11
- ■ 60.3057.29

Complete wall support 70mm.

Soporte a pared completo con brazo 70mm.



- ■ 60.3083.29

Track cover strip L 3000mm.

Cubre conductores 3000mm.



- ☐ 60.3090.11

Power supply rose cover.

Rosetón cubre alimentación.



- ☐ 60.3092.11

Cover for power supply connectors recessed track.

Tapa para conexión de alimentación en los carriles empotrables.



- ☐ 60.3053.11
- ■ 60.3053.14

Dali Version
- ☐ 60.3145.11
- ■ 60.3145.14

Cover for connectors.

Tapa para las conexiones.



- ☐ 60.3091.11
- ■ 60.3091.14

Dali Version
- ☐ 60.3146.11
- ■ 60.3146.14

* Live end right.

Conector alimentación derecha.



- ☐ 60.3038.11
- ■ 60.3038.14
- ■ 60.3038.12

Dali Version
- ☐ 60.3038.11ADA
- ■ 60.3038.14ADA
- ■ 60.3038.12ADA

* Live end left.

Conector alimentación izquierda.



- ☐ 60.3039.11
- ■ 60.3039.14
- ■ 60.3039.12

Dali Version
- ☐ 60.3039.11ADA
- ■ 60.3039.14ADA
- ■ 60.3039.12ADA

* Feeding possible / Posibles puntos de alimentación.

Straght connector.

Conector lineal.



60.3044.11
60.3044.14
60.3044.12

Dali Version

60.3044.11ADA
60.3044.14ADA
60.3044.12ADA

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* Mean connector.

Conector alimentación central.



60.3043.11
60.3043.14
60.3043.29

Dali Version

60.3043.11ADA
60.3043.14ADA
60.3043.29ADA

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* Connector 90°.

Conector 90°.



Inside/Interior

60.3029.11
60.3029.14
60.3029.29

Dali Version

60.3029.11ADA
60.3029.14ADA
60.3029.29ADA

Outside/Exterior

60.3028.11
60.3028.14
60.3028.29

Dali Version

60.3028.11ADA
60.3028.14ADA
60.3028.29ADA

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* Connector T - inside.

Conexión en T - interior.



Right/Derecha

60.3047.11
60.3047.14
60.3047.29

Dali Version

60.3047.11ADA
60.3047.14ADA
60.3047.29ADA

Left/Izquierda

60.3048.11
60.3048.14
60.3048.29

Dali Version

60.3048.11ADA
60.3048.14ADA
60.3048.29ADA

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* Conector T - outside.

Conexión en T - exterior.



Right/Derecha

60.3049.11
60.3049.14
60.3049.29

Left/Izquierda

60.3051.11
60.3051.14
60.3051.29

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* Cross coupling.

Conexión en cruz.



60.3036.11
60.3036.14
60.3036.29

Dali Version

60.3036.11ADA
60.3036.14ADA
60.3036.29ADA

Blind end.

Terminal de cierre.



60.3016.11
60.3016.14
60.3016.12

DALI flexible couple.

Conexión flexible DALI.



60.3037.11
60.3037.14
60.3037.29

Dali Version

60.3037.11ADA
60.3037.14ADA
60.3037.29ADA

Corner adjustable connector.

Conexión articulada.



60.3046.11
60.3046.14
60.3046.29

Recessed box for fix-point.

Base empotrable para proyector.



60.3022.11
60.3022.14

Fix-point.

Base de superficie para proyector.



60.3023.11
60.3023.14
60.3023.29

Lead bending key.

Llave para la manipulación de los conductores.

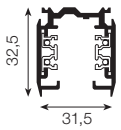


60.3054

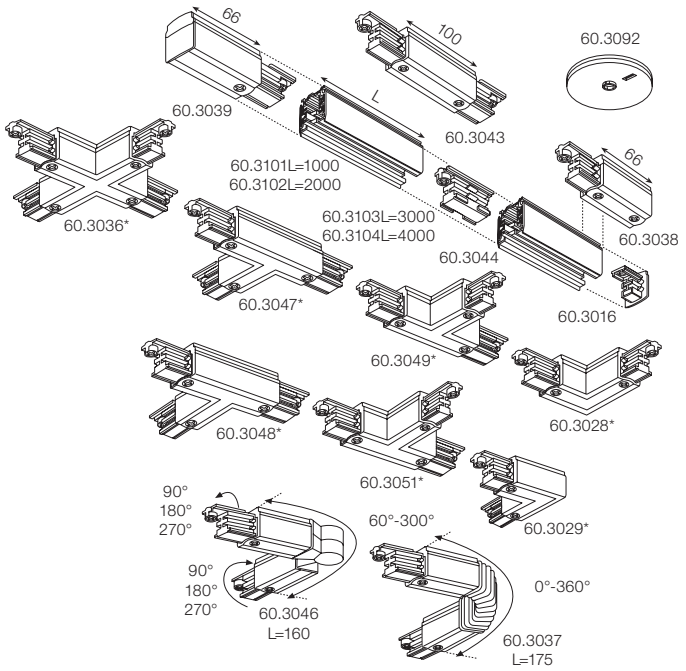
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* Feeding possible / Posibles puntos de alimentación.

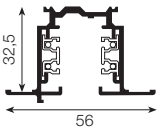
Installation Instructions for the Three-Phase Tracks / Instrucciones para la Instalación de los Carriles Trifásicos
(3P+N+PE) Un 400v, In 16A. 50Hz, Clase I, IP 20



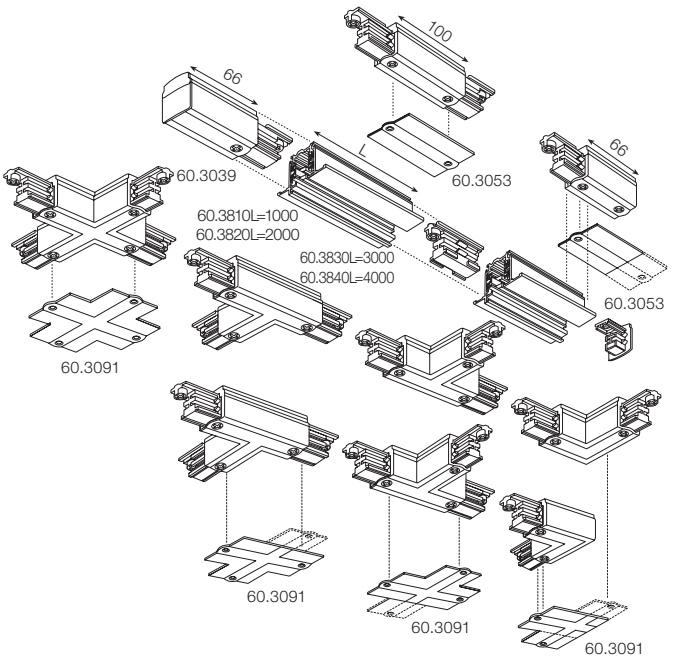
The position of the neutral lead is shown by the thick line.
La posición lateral del conductor neutro viene indicada por una línea larga.



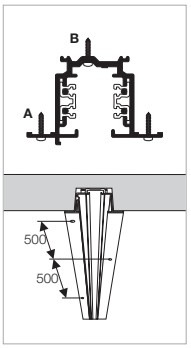
*Can be used as a power supply point / Puede ser usado como punto de alimentación



The position of the neutral lead is shown by the thick line.
La posición del conductor neutro viene indicada por una línea larga.



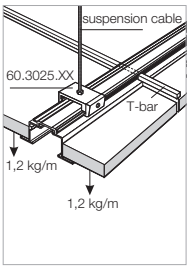
Mounting in a groove in the ceiling
Montaje en ranura en el techo



- 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.

- los carriles se pueden fijar a través de las bridas (A) o a través de la parte inferior del carril (B).
- opción A: con tornillos Ø 3,0 - 4,5, a una distancia de 500 mm.
- opción B: con tornillos de cabeza plana Ø 3,0, distancia de apoyo 1000 mm-máx. carga 20 kg / m.

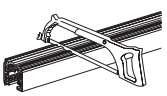
Mounting in suspended ceilings
Montaje en techos suspendidos



- 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.

- con abrazaderas 60.3025.XX.
- la estructura de la placa del techo debe ser fácil de desmontar, las placas y los carriles no se fijan entre ellos.
- suspensión como máximo a 1000 mm de distancia.
- carga máx. de la placa 1,2 kg / m por brida en el carril.
- carga máx. de suspensión del carril 10 kg / distancia de suspensión.

Cutting Track / Corte de los Carriles a Medida



1 . Cutting the track
1 . Corte del carril



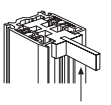
2 . Positioning bending key in the track
2 . Posicione la llave de manipulación del carril



3 . Lead bending
3 . Pliegue de los conductores

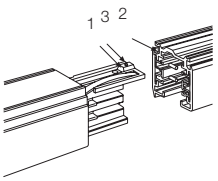


4 . Bent leads
4 . Conductores plegados

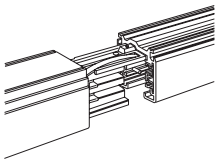


5 . Bent leads control
5 . Control del pliegue de los conductores

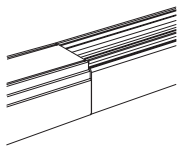
Connector Installation / Instalación de las Conexiones



1 . Guide flap
1 . Lengüeta de guía

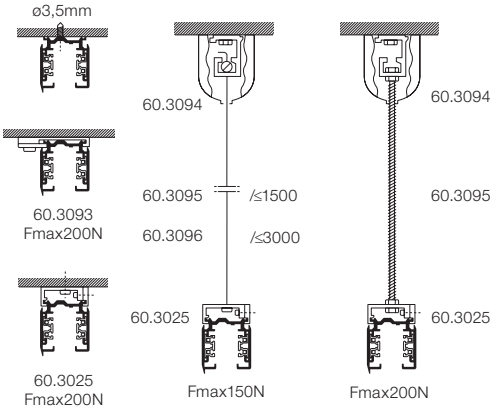


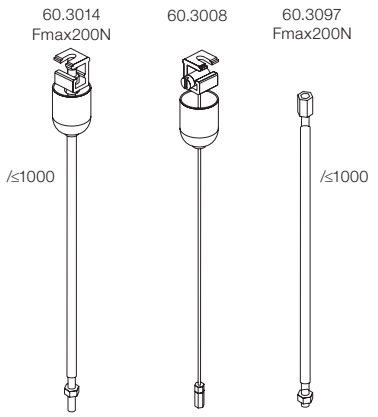
2 . Canal
2 . Guía

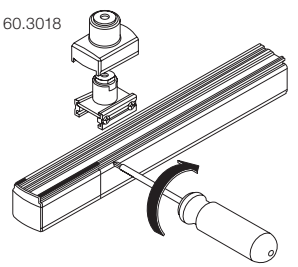


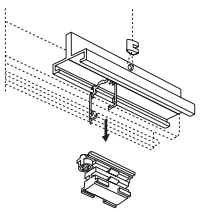
3 . Pressure fixing
3 . Fijación a presión

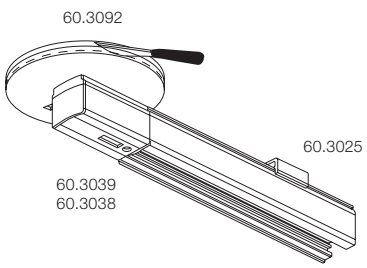
Fixing the Track and Load Capacity / Fijación del Carril y Capacidad de Carga

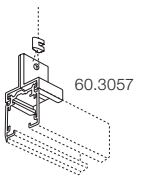


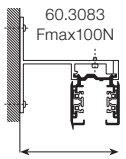






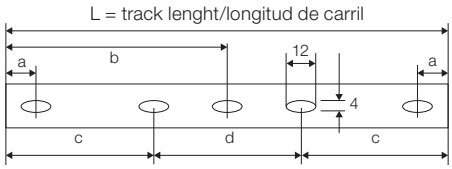


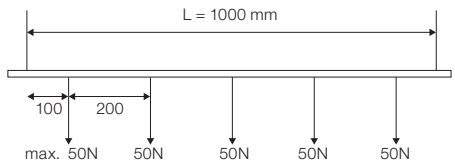


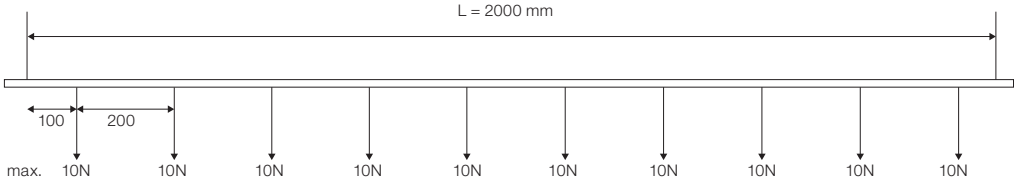


Fastening Distance and Loading Capacity
Recommended fastening distance L=1000mm.
The tracks have fastening holes.

Distancia de Anclaje y Capacidad
La distancia de anclaje recomendada es L=1000mm.
Los carriles van equipados con agujeros de anclaje.





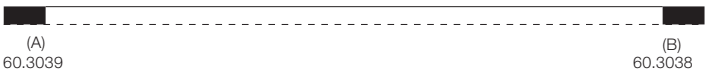


L mm	a mm	b mm	c mm	d mm
1000	250	1000		
2000	250			
3000	250		1000	1000
4000	250		1500	1000

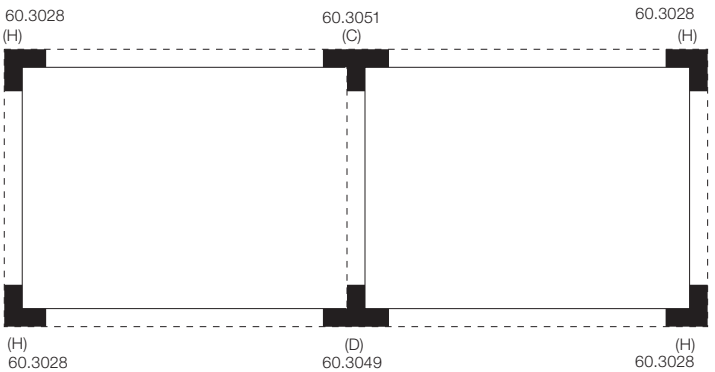
Planning Information
When you install the track, you have to choose on which side you wish to have the ridge. The ridge will tell you which accessories to use with. Have a look at the following figures where the dotted line indicates the ridge on the track.
If you have only one track, you can choose 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).

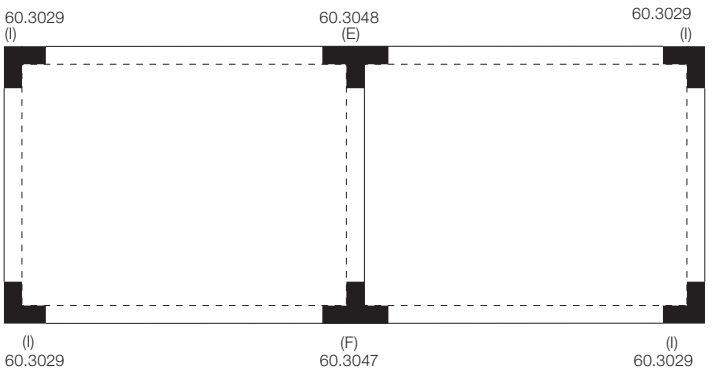
Notas para el Proyecto
La posición lateral del conductor de tierra hace la estructura de los carriles asimétrica, por lo que los accesorios de conexión deberán ser los correspondientes para cada caso. En las figuras que se presentan a continuación, la línea punteada indica la posición del conductor de tierra.
Figura 1. Carril con toma de alimentación (A) y toma de alimentación (B).
Figura 2. Si el conductor de tierra es exterior - primer caso – deben de usarse las conexiones, en T, (C) con las conexiones (D) correspondientes. Las conexiones en L deberán de ser las mismas para cada esquina, (H). Si, en cambio, el conductor de tierra es interior – segundo caso – deberán de utilizarse las conexiones, en T, (I), con las conexiones (F) correspondientes. Las conexiones en L en este caso serán los (I).

1.

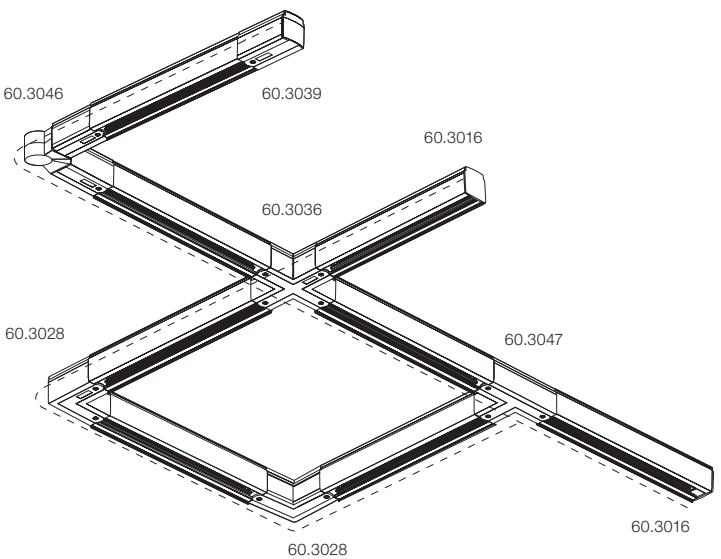


2.

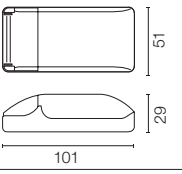
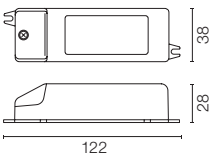
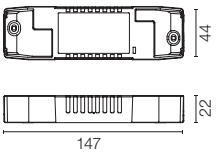
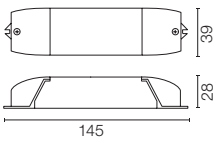
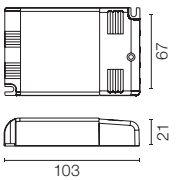
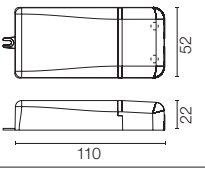
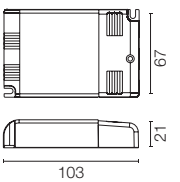
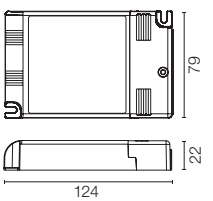




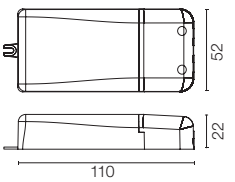
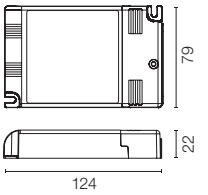
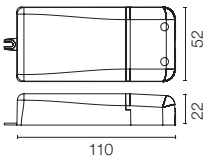
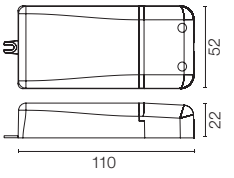
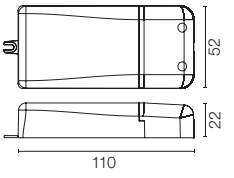
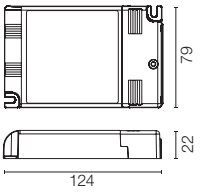
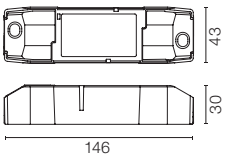
Example / Ejemplo



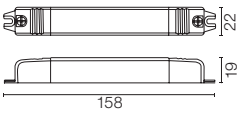
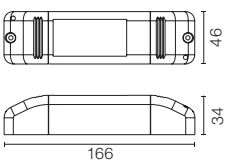
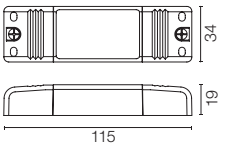
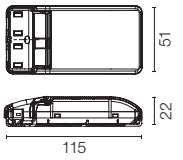
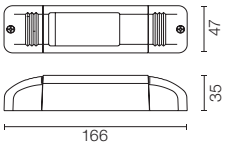
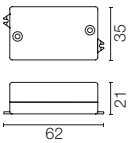
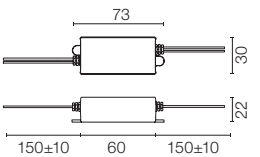
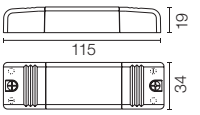
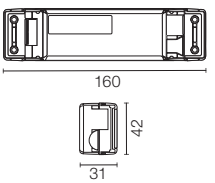
Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Non dimmable continuous current power supply. 350mA - 17,5W / 500mA - 20W / 700mA - 20W - 220/240V - 50/60Hz.	Fuente de alimentación de corriente constante. 350mA - 17,5W / 500mA - 20W / 700mA - 20W - 220/240V - 50/60Hz no regulable.			60.9312
Non dimmable continuous current power supply. 110/240V.	Fuente de alimentación de corriente constante no regulable. 110/240V.			17W / 700 mA *60.8655 20W / 500 mA *60.8650 22W / 1050 mA *60.8670 *110V – 12W
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.	Fuente de alimentación de corriente constante 15-30W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W no regulable.			60.9592
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.	Fuente de alimentación de corriente constante 25W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 12W / 500mA - 15W /700 mA - 25W no regulable.			60.8437 110V – max 18W
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.	Fuente de alimentación de corriente constante 110*/240V 32W, con corriente de alimentación seleccionable mediante switch 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W no regulable.			60.9233 110V – max 15W
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.	Fuente de alimentación de corriente constante 15-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA-15W /500 mA/ /550 / 700 / 850 mA / 900 mA - 20W no regulable.			60.8911 110V – max 15W
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.	Fuente de alimentación de corriente constante 25W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W regulable. 1-10V o push dimming, requiere cables de sincronización no incluidos.			60.8533 110V – max 15W
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.	Fuente de alimentación de corriente constante 25-50W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W regulable. Dali 2, 0/1-10V o push dimming, requiere cables de sincronización no incluidos.			60.8530 110V – max 40W

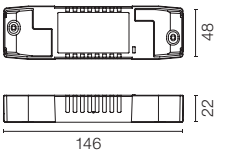
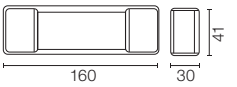
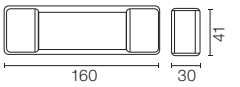
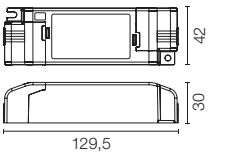
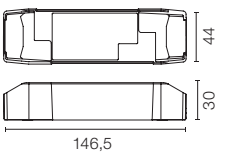
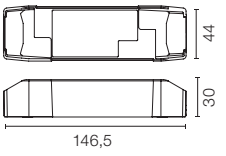
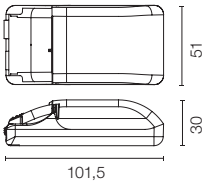
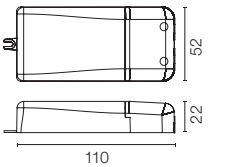
Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

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 - 15W. switch. 0/1-10V or push dimming, synchronisation cables not included.	Fuente de alimentación de corriente constante 13-20W, 110/240V -50/60Hz con corriente de alimentación seleccionable mediante switch 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650/700/ 750/800/850/900 mA - 15W. 0/1-10V o push dimming, requiere cables de sincronización no incluidos.			60.9188 110V – max 15W
Continuous current power supply of 30-50W, 110/240V - 50/60Hz with power current selected through adjustable 300mA - 34W /350 mA -39W /400 mA - 45W /450 - mA - 50W /500 mA - 56W /550/600/650/700mA - 60W switch.Dali1, Dali 2, 0/1-10V or push dimming, synchronisation cables not included.	Fuente de alimentación de corriente constante 30-50W, 110/240V -50/60Hz con corriente de alimentación seleccionable mediante switch 300mA - 34W /350 mA -39W /400 mA - 45W /450 - mA - 50W /500 mA - 56W /550/600/650/700mA - 60W regulable. Dali 1, Dali 2, 0/1-10V o push dimming, requiere cables de sincronización no incluidos.			60.8837 110V – max 40W
Continuous current power supply of12-20W, 110/240V - 50/60Hz with-power current selected through adjustable 350mA - 17W / 400mA - 19W / 450 / 500 / 550 / 600 / 700mA - 20W dimmable Dali 1 and Dali 2.	Fuente de alimentación de corriente constante 12-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 17W / 400mA - 19W / 450 /500 / 550 / 600 / 700mA - 20W regulable Dali 1 y Dali 2.			60.9222 110V – max 15W
Continuous current power supply of 10-20W, 110/240V - 50/60Hz with power current selected through adjustable 250 mA - 10W / 350 mA - 15W /400 mA - 17W /450 mA - 19W /500/550/600/700 mA - 20W, Dali 1 switch.	Fuente de alimentación de corriente constante 10-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250 mA - 10W / 350 mA - 15W /400 mA - 17W /450 mA - 19W /500/550/600/700 mA - 20W regulable Dali 1.			60.8847 110V – max 15W
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.	Fuente de alimentación de corriente constante 13-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250 mA - 13W / 350 mA - 18W /400/450/ 500/550/600/700/800/900 mA - 20W, regulable 1-10V o push.			60.9208 110V – max 15W
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 1, 0/1-10V or push dimming, synchronisation cables not included.	Fuente de alimentación de corriente constante 20-40W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 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 regulable. Dali 1, 0/1-10V o push dimming, requiere cables de sincronización no incluidos.			60.9276
Continuous current power supply of 13-42W, 220/240V - 50/60Hz with power current selected through adjustable 300 mA - 13W / 350 mA - 15W / 400 mA - 18W / 450 mA - 20W / 500 mA - 22W / 550 mA - 24W / 600 mA - 27W / 650 mA - 29W / 700 mA - 31W / 750 mA - 32W / 800 mA - 33W / 850 mA - 35W / 900 mA -38W / 950 mA - 40W / 1000/1050 mA - 42W switch.	Fuente de alimentación de corriente constante 13-42W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 300 mA - 13W / 350 mA - 15W / 400 mA - 18W / 450 mA - 20W / 500 mA - 22W / 550 mA - 24W / 600 mA - 27W / 650 mA - 29W / 700 mA - 31W / 750 mA - 32W / 800 mA - 33W / 850 mA - 35W / 900 mA -38W / 950 mA - 40W / 1000/1050 mA - 42W.			60.9162

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Continuous current power supply of 6W, 100V / 14W, 240V - 50/60Hz with 500 mA supply voltage.	Fuente de alimentación de corriente constante 6W, 100V / 14W, 240V - 50/60Hz con corriente de alimentación 500 mA.			60.8880
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.	Fuente de alimentación de corriente constante 7,2-24W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 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 regulable. Mains o push dimming.			60.9421
Continuous current power supply of 10W, 110V / 12W, 240V - 50/60Hz with 700 mA supply voltage.	Fuente de alimentación de corriente constante 10W, 110V / 12W, 240V - 50/60Hz con corriente de alimentación 700 mA.			60.8529
Continuous current power supply of 18W, 220/240V - 50/60Hz with 450 mA supply voltage mains dimming, trailing edge.	Fuente de alimentación de corriente constante 18W, 220/240V - 50/60Hz con corriente de alimentación 450 mA mains dimming, trailing edge.			60.9268
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.	Fuente de alimentación de corriente constante 32W, 230/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W regulable mediante trailing and leading edge dimming, mains dimming o push dimming.			60.8534
Electronic transformer with constant voltage (24V) for LED. 8W, 220/240V, 50/60Hz.	Transformador electrónico de tensión constante (24V) para LED. 8W, 220/240V, 50/60Hz.			60.8079
Electronic transformer with constant voltage (24V) for LED. 8W, 110/240V, 50/60Hz.	Transformador electrónico de tensión constante (24V) para LED. 8W, 110/240V, 50/60Hz.			60.9157
Constant voltage supply source of 10W, 100-240V - 50/60Hz with non adjustable 250 mA supply voltage.	Fuente de alimentación de corriente constante 10W, 100-240V - 50/60Hz con corriente de alimentación 250 mA no regulable.			60.9744
Constant voltage supply source of 20W, 100-240V - 50/60Hz with adjustable 250 mA supply voltage.	Fuente de alimentación de corriente constante 20W, 100-240V - 50/60Hz con corriente de alimentación 250 mA regulable.			0-10V 60.9405 Dali 60.9601

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

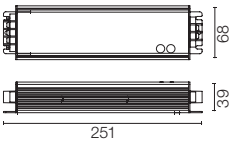
Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.	Fuente de alimentación no regulable, de corriente constante 200/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.			60.9160
Continuous current power supply, 0-10V dimmable, 220/240V - 50/60Hz, 200mA - 20W.	Fuente de alimentación de corriente constante, regulable 0-10V, 220/240V - 50/60Hz, 200mA - 20W.			60.9483
Continuous current power supply, dimmable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.	Fuente de alimentación de corriente constante, regulable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.			60.9604
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.	Fuente de alimentación de corriente constante, regulable 0/1-10V, 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
Continuous current supply source of 240V - 50/60Hz with dimmable Dali 2, push dimming. 300mA - 16W / 350mA - 18W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 650 mA - 35W 700/750/800/900/1000/1050 mA - 36W.	Fuente de alimentación de corriente constante, 240V - 50/60Hz con corriente de alimentación 300mA - 16W / 350mA - 18W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 650 mA - 35W 700/750/800/900/1000/1050 mA - 36W regulable Dali 2, push dimming.			60.9186
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.	Fuente de alimentación de corriente constante, regulable 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
Continuous current power supply, 1-10V, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 500mA - 10W.	Fuente de alimentación de corriente constante, 1-10V, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 500mA - 10W.			60.9411
Continuous current power supply, Mains dimming, leading & trailing edge 220/240V - 50/60Hz, 300mA - 14W / 350 mA - 17W / 400 mA - 19W / 450/500/600/650/700/750/800/900 mA - 20W.	Fuente de alimentación de corriente constante, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 300mA - 14W / 350 mA - 17W / 400 mA - 19W / 450/500/600/650/700/750/800/900 mA - 20W.			60.9467

Constant Voltage Power Source for LED / Fuente de Alimentación de Tensión Constante para LED

LED power supply source for remote installation in 24V/240W electric control panel. 100/240V.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/240W. 100/240V.



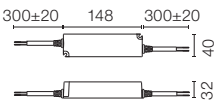


60.8268

Electronic transformer with constant voltage (24V) for LED. 100/240V.

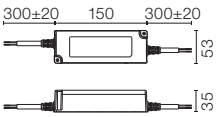
Transformador electrónico de tensión constante (24V) para LED. 100/240V.





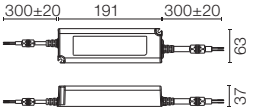
25W
60.8703





60W
60.9089



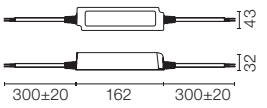


120W
60.9407

Electronic transformer with constant voltage (24V) for LED. 60W. 100/240V. For independent use.

Transformador electrónico de tensión constante (24V) para LED. 60W. 100/240V. Para uso independiente.



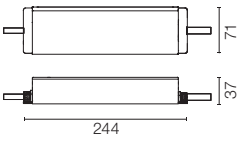


60.8515

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.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.





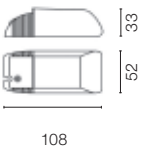
60.9352

12V / 24V Electronic Transformer / Transformador Electrónico 12V / 24V

12V electronic transformer. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”.

Transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente).





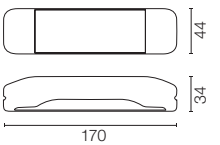
35-105W
60.9424
20-70W
60.9398

Please check compatibility with Retrofit LED lamps / Compruebe compatibilidad con lámparas LED Retrofit.

12V electronic transformer. 230/240V, 50-225W.

Transformador electrónico 12V. 230/240V, 50-225W.





60.8364

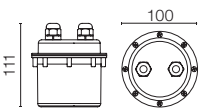
Please check compatibility with Retrofit LED lamps / Compruebe compatibilidad con lámparas LED Retrofit.

12V Conventional Transformer / Transformador Ferromagnético 12V

12V conventional transformer. 230V - 50/60Hz. IP67. Primary wire: 75 cm, secondary wire: 145 cm.

Transformador ferromagnético 12V. 230V - 50/60Hz. IP67. Cable primario: 75 cm, cable secundario: 145 cm.





50W
60.8311

Ref	L max(m) 1.5mm²	L max(m) 2.5mm²
60.8079	5	N/A
60.8268	2	3,5
60.8311	5	8,5
60.8364	1	1,5
60.8437	20	50
60.8515	5	N/A
60.8529	20	50
60.8530	10	15
60.8533	10	15
60.8534	10	15
60.8629	50	50
60.8650	50	50
60.8654	20	50
60.8655	20	50
60.8656	20	50
60.8670	20	30
60.8689	50	50
60.8703	5	N/A
60.8837	10	15
60.8847	10	15
60.9208	10	15
60.8880	50	50
60.8911	20	50
60.9089	5	N/A
60.9157	5	N/A
60.9160	10	15
60.9162	20	30
60.9186	10	15
60.9188	10	15
60.9207	10	15
60.9222	10	15
60.9233	20	50
60.9268	15	15
60.9276	10	15
60.9312	20	50
60.9352	2,5	4
60.9744	6	15
60.9398	2	2
60.9405	6	15
60.9407	5	10
60.9411	5	10
60.9421	20	50
60.9424	2	2
60.9439	2,5	4
60.9467	10	15
60.9483	2,5	4
60.9592	10	15
60.9601	20	50
60.9604	2,5	4

Details for operation at 220/240Vac. If greater lengths are required, consult the Flos architectural team / Datos para funcionamiento a 220/240Vac. Si se necesitan longitudes mayores consultar al equipo de Flos architectural.

QT-14 CLEAR



BASE
G9
230V

Wattage (W)	Color Tª (K)	Voltage (V)	Reference
18	2770	230	60.6616
28	2770	230	60.6617
42	2700	230	60.6618

HI PAR 51





BASE
GX10
230V

Angle	Wattage (W)	Color Tª (K)	Voltage (V)	Reference
25°	50	3000	230	60.6722
40°	50	3000	230	60.6723
60°	50	3000	230	60.6724

QT-14 ES





BASE
G9
230V

Wattage (W)	Color Tª (K)	Voltage (V)	Reference
20	2900	230	RF19264
33	2900	230	RF18863

TC-DEL





BASE
G24q
230V

Wattage (W)	Color Tª (K)	Voltage (V)	Reference
18	2700	230	60.6213
18	3000	230	60.6256
18	4000	230	60.6257
26	2700	230	60.6214
26	3000	230	60.6258
26	4000	230	60.6259

QT-12





BASE
GY6.35
12V

Wattage (W)	Color Tª (K)	Voltage (V)	Reference
35	3000	12	60.6300
50	3000	12	60.6303
75	3000	12	60.6304
90	3000	12	60.6305
100	3000	12	60.6306
35	2900	12	60.6404 IRC
50	3000	12	60.6399 IRC

T5 FH



BASE
G5
230V

Wattage (W)	Color Tª (K)	Reference
14	3300	60.6500
21	3300	60.6503
21	4000	60.6504
28	3000	60.6506
28	4000	60.6507
35	3300	60.6509
35	4000	60.6510

QT-9

BASE
G4
12V

Wattage (W)	Color Tª (K)	Voltage (V)	Reference
10	3000	12	60.6301
20	3000	12	60.6302

T5 FQ



BASE
G5
230V

Wattage (W)	Color Tª (K)	Reference
24	3300	60.6512
24	4000	60.6513
39	3300	60.6515
39	4000	60.6516
54	3000	60.6518
54	4000	60.6519
54	5000	60.6520
80	3300	60.6521
80	4000	60.6522
80	5000	60.6523

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.

Control
Mayor Control Óptico

El módulo de LED Array dispone de una superficie de alta densidad lumínica que permite que, mediante reflectores, se pueda controlar de una forma muy eficaz la luz. Es posible obtener una gran variedad de ángulos de apertura, cubriendo de este modo, cualquier aplicación.

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.

Sin Pixelación
Luz Blanca sin Pixelación

El LED Array, debido a su configuración, consigue un patrón de blancos uniforme sin variación de color. Además durante la vida útil del módulo consigue un excepcional mantenimiento del flujo luminoso y de la temperatura de color.

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.

Reducción de Costes
Reducción de Costes de Operación

Con esta solución LED, la reducción de los costes de mantenimiento se ve reducida drásticamente debido a su larga vida útil con un flujo luminoso mínimo del 70 %. La energía consumida se reduce hasta en un 75 % comparada con las fuentes de iluminación tradicionales.

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.

Aplicación Retail
Fuente de Luz para Aplicación Retail

El flujo luminoso no contiene rayos IR o UV, que son los causantes de los daños en ropa o un deterioro prematuro de los alimentos. La eliminación de calor en el haz luminoso se transforma en una reducción de los costes en aire acondicionado.

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.

Reflectores
Rendimiento Luminoso

El módulo de LED Array no es una fuente puntual. La luz es emitida por el área de la resina de la matriz de LEDs. Esta construcción influye a la hora de realizar los cálculos lumínicos y de controlar el ángulo de apertura del LED. Por ello, la forma idónea de realizar este control luminoso es mediante reflectores.
Estos reflectores pueden realizarse en termoplástico metalizado, ya que no hay exigencias térmicas de la fuente luminosa. Al poderse realizar en termoplástico existe mayor flexibilidad en el diseño de los mismos y se puede optimizar la superficie reflectante con formas no viables con los reflectores tradicionales de aluminio, con un rendimiento del 90 %.
Es posible obtener ángulos de apertura desde unos 20° hasta 60° aproximadamente.

POWER LED

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.

Haz de Luz
Haz de Luz Cerrado

Debido a que la fuente de luz es puntual, el control óptico se debe de realizar mediante lentes. Este control óptico permite la reducción del haz de luz hasta ángulos muy cerrados. Por ello, en aplicaciones en que se necesite de una gran densidad de luz es la fuente luminosa más adecuada.

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.

Diseño
Libertad de Diseño

Los power LED se montan en placas electrónicas. Estas placas electrónicas se pueden diseñar en infinidad de dimensiones y formas, de forma que el diseño completo de la fuente luminosa (placa electrónica + LED + Lentes) tiene gran flexibilidad y libertad. Esta flexibilidad lo hace desmarcarse de las fuentes de luz tradicionales.

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.

Color
Amplia Gama de Temperaturas de Color

Los power LED al ser LEDs discretos se pueden seleccionar en una gran variedad de temperaturas de color. Se establecen bins (rangos del espectro cromático) en donde se garantiza que los LEDs disponen de una variación cromática mínima con respecto a la temperatura de color seleccionada.

TOP LED

Light Beam
Diffuse Light

Given their geometry, they are excellent for applications that have no directed light requirements, such as indirect light or luminaires.

Haz De Luz
Luz Difusa

Debido a su geometría son excelentes para aplicaciones en las que no haya requerimientos de luz dirigida, como son la luz indirecta o luminarias con difusor incorporado.

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.

Alimentación
Tensión 24V

Por sus dimensiones compactas y su sencilla alimentación, los “Top led” ofrecen una multitud de soluciones diferentes a la hora de diseñar un circuito impreso. Su fácil alimentación mediante fuentes de tensión constante a 12/24V, con posibles montajes y conexiones en paralelo, junto con la posibilidad de crear diseño agrupados e irregulares, los hacen candidatos perfectos cuando es necesario el diseño de una fuente de luz lejos de los cánones establecidos por las fuentes de luz tradicionales.

Colour
Wide Range of Colour Temperatures

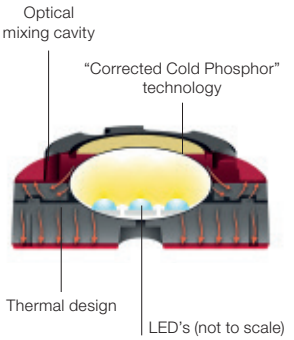
The “Top LED” like the “Power LED” are available in a large range of colour temperatures distributed throughout the entire chromatic spectrum. The selection made will be defined by its bin guaranteeing its homogeneity in it.

Color
Amplia Gama de Temperaturas de Color

Los “Top led” al igual que los “Power led” se encuentran disponibles en una extensa gama de temperaturas de color distribuidas a lo largo del espectro cromático. La selección determinada vendrá definida por su bin garantizándose su homogeneidad dentro del mismo.

REMOTE PHOSPHOR LED





Consistency
Colour and Chromatic Homogeneity

The remote phosphor LED module is available in a colour temperature range of 2700K, 3000K and 4000K. Each of these colour temperatures is exactly positioned in the BBL (Black Body Locus) to guarantee perfect white light. The LEDs selection tolerance is 1x2 in the MacAdam ellipse, improving the ANSI C78.377 specification.

Consistencia
del Color y Homogeneidad Cromática

El módulo LED de fósforo remoto está disponible en un rango de temperaturas de color de 2700K, 3000K y 4000K. Cada una de estas temperaturas de color están exactamente posicionadas en el BBL (Black Body Locus) para garantizar una perfecta luz blanca. La tolerancia de selección de los LEDs tienen una tolerancia de 1x2 en la elipse de MacAdam mejorando la especificación ANSI C78.377.

Uniform
Light Beam

Halogen lamps or LED Arrays may suffer changes in light on an illuminated surface, due to the non-uniformity of the light source. The remote phosphor module has a uniform light-emitting surface that is reflected in a perfect beam of light without shadows or changes in colour.

Uniforme
Haz de Luz

Las lámparas halógenas o los LED Array pueden sufrir variaciones de luz sobre una superficie iluminada debido a la no uniformidad propia de la fuente de luz. El módulo de fósforo remoto tiene una superficie emisora de luz uniforme, que se refleja en un perfecto haz de luz sin sombras o variaciones de color.

Reproduction
High Chromatic

With the "Artist" version; through the correct combination of the LEDs selection and phosphor specifications, a CRI above 95 is obtained. This module has been optimised to obtain excellent results in the most saturated colours. For the red, a value above 90 has been obtained. These numbers not only surpass those of other LED solutions, but improve the results of traditional fluorescent or metal halogenide lamps.

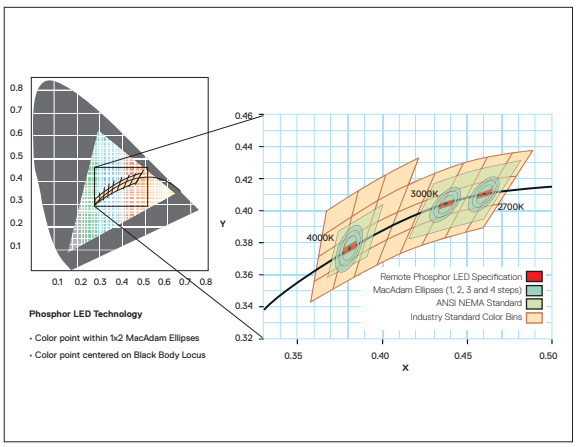
Reproducción
Alta Cromática

Con la versión "Artist", a través de la adecuada combinación de la selección de LEDs y las especificaciones del fósforo, se consigue un CRI por encima de 95. Este módulo ha sido optimizado para obtener excelentes resultados en los colores más saturados. Para el rojo, se ha obtiene un valor por encima de 90. Estos números no sólo superan otras soluciones LED sino que mejoran los resultados de las lámparas tradicionales fluorescentes o de halogenuros metálicos.

COLOUR RENDERING CHART

A comparison between the Phosphor LED (Artist Series) and other lighting sources
Note: 2700K and 4000K perform similarly

	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
Artist Series XTM	98	98	99	98	98	98	97	98	98	96	99	98	88	98	98	98
Typical IR coated Halogen Dichroic	98	98	99	99	99	98	98	99	97	92	97	98	97	98	99	97
Typical Compact Metal Halide	82	90	94	69	82	81	81	87	71	27	59	62	55	93	78	88
Typical Compact Fluorescent	87	91	93	86	91	89	90	88	70	17	76	91	81	93	92	81



Independent measurements by University College London

Degree of Protection
Grado de Protección

IP
20

Protection degree offered by the fixture to the ingress of solids and liquids.

Índice de protección contra la penetración de partículas sólidas y húmedas.

IP
20

1st figure: protection against penetration by solid bodies.

1a cifra: protección contra la penetración de cuerpos sólidos.

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.

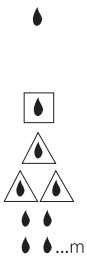
0 Ninguna protección.
1 Protección contra cuerpos sólidos de tamaño superior a 50 mm.
2 Protección contra cuerpos sólidos de tamaño superior a 12 mm.
3 Protección contra cuerpos sólidos de tamaño superior a 2,5 mm.
4 Protección contra cuerpos sólidos de tamaño superior a 1 mm.
5 Protección contra el polvo.
6 Totalmente protegido contra el polvo.

IP
2**0**

2nd figure: protection against penetration by water.

2a cifra: protección contra la penetración de agua.

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.



0 Ninguna protección.
1 Protección contra caída vertical de gotas de agua.
2 Protección contra caída vertical de gotas de agua, 15° máx. inclinación.
3 Protección contra caída vertical de gotas de agua, 60° máx. inclinación.
4 Protección contra salpicaduras de agua.
5 Protección contra chorros de agua.
6 Protección contra olas de agua.
7 Protección contra inmersión.
8 Protección contra inmersión prolongada.

Pictography
Simbología



Luminaire with builtin power packs or transformers, suitable for mounting directy onto normally inflammable surfaces.

Luminarias con balastos incorporados o transformadores previstos para montaje directo sobre superficies normalmente inflamables.



Conventional Ballast.

Balasto convencional.

GWT 850º

Passes Glow Wire Test at 850ºC according to standard IEC 60695-2-10.

Pasa ensayo de Hilo Incandescente (Glow Wire Test) a 850ºC según norma IEC 60695-2-10.



Luminaires designed to exclusively use wolfram halogen lamps or metal halide lamps with own protection screen.

Luminarias diseñadas para usar únicamente lámparas halógenas de volframio o lámparas de halogenuros metálicos con pantalla de protección propia.

Luminaires Classification
Clases de Aislamiento de las Luminarias



Class I

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).

Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en conectar las partes accesibles conductoras de la luminaria a un conductor de seguridad o toma de tierra.



Class II

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).

Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en un doble aislamiento reforzado.



Class III

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.

Luminaria cuya protección contra los choques eléctricos está basada en la muy baja tensión de alimentación sin que se produzcan voltajes mayores a ésta. Una luminaria de Clase III nunca debe ser suministrada con toma de tierra.

Homologations
Homologaciones

CE

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.

Todas las luminarias producidas y presentadas en este programa se han realizado en conformidad con la Norma Europea EN 60 598 y, por consiguiente, cumplen los requisitos establecidos por la Directiva CEE 73/23 (Directiva de Baja Tensión). Su realización garantiza también la conformidad con la Directiva 89/336 en lo concerniente la Compatibilidad Electromagnética. Todos los productos que forman parte del campo de aplicación de estas Directivas llevan el marcado CE que certifica su conformidad a los respectivos requisitos.

03

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.

La presencia del marcado ENEC en el producto testimonia el cumplimiento de la normativa europea y garantiza la fiabilidad del sistema organizativo y productivo responsable de su fabricación, a través de un organismo de certificación acreditado.
El marcado ENEC representa nuestro compromiso y mejor garantía en materias de seguridad y calidad en todos nuestros productos.

CERTIFIED IQNet MANAGEMENT SYSTEM

AENOR ER Empresas Registrada ER-0202/1/98 ISO 9001

The Spanish Association for Standards and Certification AENOR, certifies that quality assurance system adopted by Antares Iluminación, S.A. complies with the requirements of the standard UNE-EN ISO-9001 Quality Systems.

La asociación española de normalización y certificación AENOR certifica que el Sistema de aseguramiento de la Calidad adoptado por Antares Iluminación S.A. es conforme a las exigencias de la Norma Europea EN ISO 9001: Sistemas de Calidad.

QCERT
ORGANISMO DE CERTIFICACIÓN
Consulte el alcance de nuestros productos certificados en www.qcert.com.co

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.

El Organismo de Certificación QCERT S.A.S. evalúa la conformidad de nuestros productos para su comercialización en Colombia, considerando la normativa nacional e internacional vigente.
Esta certificación de producto permite a los fabricantes y comercializadores expandir sus mercados y obtener una ventaja competitiva que puede trascender las fronteras del mercado local, potencializando el comercio a nivel internacional.

IECEE CB SCHEME

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.

Creada por IECEE, el sistema de certificación CB basado en la Normas Internacionales IEC está reconocido en Arabia Saudí, Argentina, Australia, Austria, Bahréin, Bélgica, Bielorrusia, Brasil, Bulgaria, Canadá, China, Colombia, Croacia, Dinamarca, Emiratos Árabes Unidos, Finlandia, Francia, Alemania, Japón, Grecia, India, Indonesia, Irlanda, Israel, Italia, Kenia, Libia, Malasia, México, Noruega, Nueva Zelanda, Países Bajos, Pakistán, Polonia, Portugal, Reino Unido, República Checa, República de Corea, Rumanía, Rusia, Serbia, Singapur, Eslovaquia, Eslovenia, España, Estados Unidos, Sudáfrica, Suecia, Suiza, Tailandia, Turquía, Ucrania, Hungría y Uruguay.

Photometric Data
Datos Fotométricos

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.

Con el paso del tiempo, el número de inputs visuales a los que el hombre se expone ha aumentado. Actualmente, parece que aproximadamente el 75% de la información que el hombre procesa para relacionarse con su medio ambiente la recibe a través de los ojos, que funcionan de manera parecida a una cámara fotográfica, utilizando la luz emitida o reflejada por los objetos que hay en un determinado ambiente. Esto significa que la información procesada por el cerebro depende en gran medida de los niveles, del tipo de luz y del modo en que se ilumina ese ambiente.
Con la documentación fotométrica redactada (en especial a través del programa de cálculo) queremos facilitar a los diseñadores de iluminación el material necesario para la realización de proyectos de alumbrado que satisfagan la actual normativa EN 12464-1 por lo que se refiere la adecuada distribución de la luz, confort visual, máxima eficiencia luminosa y la consiguiente reducción de energia.
Para aprovechar al máximo las posibilidades del programa de cálculo es fundamental disponer de toda la información necesaria sobre los productos que pueden utilizarse.

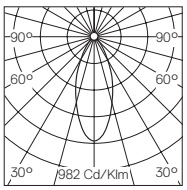
EN 12464-1 Standard

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.

Norma EN 12464-1

Especifica los requisitos luminotécnicos para satisfacer las exigencias de prestación visual en los lugares de trabajo en interiores, incluidos los que prevén la utilización de pantallas de ordenador, prescribiendo los valores medios de iluminancia Em, el índice de rendimiento cromático Ra y el confort visual UGR.
Índice unificado de deslumbramiento UGR (Unified Glare Rating)
Define la clase de deslumbramiento causado por la instalación de alumbrado en un interior, tomando en consideración el tipo de luminarias, las características de reflexión y las dimensiones de los locales, así como la posición de los observadores.
Por ejemplo, para puestos de trabajo en los que se trabaje con programas CAD las normas EN 12464-1 prescriben Em = 500 lx, Ra= 80, UGR<=19.

Diagram of the Characteristics of Light Output

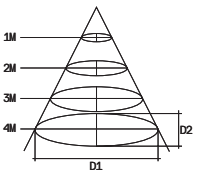


Luminous intensity distribution is presented in the form of a polar plot of one or more C planes that cross-section the luminaire, passing though its light center of gravity. The planes and the intensity are shown by means of a system of spherical coordinates (C, γ, I). The curves that join the ends 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.

Representación Gráfica de las Características de Emisión Luminosa

La distribución de las intensidades luminosas emitidas por una luminaria se representa con un diagrama polar correspondiente a uno o más planos C que seccionan la luminaria pasando por su baricentro luminoso. Los planos y las intensidades están definidos por un sistema de coordenadas esféricas (C, γ, I). Las curvas que unen los extremos de los vectores intensidad sobre un plano C se llaman curvas fotométricas o indicadoras de emisión.
El número de planos sección C lo prescriben las recomendaciones CIE, y se indica en la Norma Europea correspondiente a las mediciones fotométricas y a la presentación de los datos (CEN 13 032-1). Para luminarias que presentan emisiones rotosimétricas, la emisión luminosa está representada por una única curva. En todos los demás casos la representación gráfica prevé, como mínimo, los planos transversal (C0-180) y longitudinal (C90-270). Para luminarias que pueden montar lámparas geométricamente iguales pero con flujos luminosos diferentes, por lo general se acepta que el diagrama polar de las intensidades esté representado por un flujo luminoso ideal de 1.000 lumen y por lo tanto expresado en cd/klm.
Para fuentes luminosas con óptica incorporada, los valores de la intensidad luminosa máxima facilitados en este catálogo son absolutos (cd) y no se refieren a un flujo normalizado de 1.000 lm, mientras en las demás fuentes los mismos valores corresponden a un flujo ideal de 1.000 lm (cd/klm).
Para productos LED que incorporan electrónica de control y disipadores de calor, que requieran tanto alimentación a tensión de red o mediante fuente de alimentación DC, incluyendo luminarias LED completas provistas de módulos LED no reemplazables, el método de ensayo LM-79 utiliza la fotometría absoluta para medir directamente el flujo luminoso total para una configuración particular.
La distribución real de la luz e intensidad luminosa se miden directamente de la luminaria completa.

E(lx/Klm) h(m)	D(m) 11º
1 4918	0.20
2 1229	0.40
3 546	0.60
4 307	0.80
5 197	0.99



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.

Iluminancia (representado con el Símbolo E)

El nivel medio de iluminancia expresado en lux (lx) sobre una superficie es el cociente entre el flujo luminoso, expresado en lumen (lm) que incide sobre la superficie y el tamaño (m^2) de dicha superficie. En función de las exigencias es posible calcular iluminancias horizontales (por ej. sobre un escritorio: para leer), verticales (alumbrado de un campo deportivo: para reconocer los atletas) o semicilíndricas (alumbrado urbano: para identificar con quien nos cruzamos).
En algunos casos, por ej. al utilizar focos y lámparas con reflector incorporado, la representación de las prestaciones se simplifica mediante tablas llamadas “conos de luz” que indican tanto los valores de las iluminancias medias y máximas como los diámetros de la mancha luminosa en relación con las distancias del plano respecto a la luminaria. El ángulo en el vértice del cono de luz es la apertura del haz de la luminaria, es decir el ángulo descrito por el vector intensidad cuando su módulo es mayor que la mitad de la intensidad máxima. La iluminancia se expresa en lux por cada 1.000 lm (lx/klm). Para fuentes luminosas con óptica incorporada, los valores de las iluminancias medias y máximas son absolutos, mientras que para las demás fuentes corresponden a un flujo ideal de 1.000 lm.

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.

Isolux

Sobre una superficie, los resultados fotométricos de una instalación de iluminación pueden representarse gráficamente mediante “isolux”, es decir líneas que unen los puntos que tienen la misma iluminancia. Las isolux permiten evaluar rápidamente, aunque aproximadamente, el valor medio y la uniformidad de la iluminancia.

CIE 62/98/100/100/74
DIN A50
UTE 0.47C+0.00T
CIBSE TM5 BZ3/2/BZ2

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.

Clasificación Fotométrica de las Luminarias

Considerando las características de distribución del flujo luminoso y según varias relaciones entre el flujo emitido por una lámpara en el hemisferio superior e inferior, así como la relación entre los varios rendimientos, es posible caracterizar una luminaria según distintas normas y estándares: CIE, DIN 5040, UTE y CIBSE LG3.

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 π/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 3π/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.

CIE

Representación de la distribución del flujo emitido por la luminaria en el interior de conos con ángulos de apertura definidos; el último número de la serie indica el rendimiento total de la luminaria.
Las luminarias se clasifican según cinco números (códigos CIE)
$N_1=F_1/F_4$ $N_2=F_2/F_4$ $N_3=F_3/F_4$ $N_4=F_4/F_5$ $N_5=F_5/F$= rendimiento
Donde:
F_1 es el flujo emitido en el cono de ángulo sólido π/2, ángulo en el vértice 83°
F_2 es el flujo emitido en el cono de ángulo sólido π, ángulo en el vértice 120°
F_3 es el flujo emitido en el cono de ángulo sólido 3π/2,S ángulo en el vértice 151°
F_4 es el flujo emitido en el cono de ángulo sólido 2π, ángulo en el vértice 180°
F_5 es el flujo emitido en el cono de ángulo sólido 4π, ángulo en el vértice 360°
F es el flujo instalado.

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/m^2 starting at a 55° observation angle γ.
CIBSE LG3 Cat 2 if luminance was lower than 200 cd/m^2 starting at a 65° observation angle γ.
CIBSE LG3 Cat 3 if luminance was lower than 200 cd/m^2 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.

DIN 5040

La clasificación fotométrica de las luminarias está constituida por una letra y dos números. La letra indica la distribución luminosa empezando por la A: directa concentrada, hasta la E: indirecta. La primera cifra indica el porcentaje de flujo luminoso emitido en el hemisferio inferior (directa). La segunda cifra indica el porcentaje de flujo en el hemisferio superior (indirecto).

UTE

La clasificación fotométrica de las luminarias está constituida por un número que indica el rendimiento directo seguido por una letra que indica la distribución luminosa a partir de A para el haz estrecho hasta J para el semiindirecto. Si la luminaria tuviera también una emisión indirecta (superior), se añadiría el rendimiento indirecto seguido por la letra "T". Por ejemplo para una luminaria que emita el 30% de su flujo hacia abajo y el 35% del flujo hacia arriba, con una emisión semiindirecta, el código UTE sería 0,30J + 0,35T.

CIBSE LG3

Con las modificaciones en el Lighting Guidance 3 de 2001 el sistema de clasificación por categorías (Cat) fue abolido para uniformarse con la normativa Europea EN 12464-1.
Esta normativa inglesa clasificaba las luminarias en tres categorías según la luminancia en cuatro planos: C0-180, C90-270, C135-315 y C225-45.
Estaban clasificadas como CIBSE LG3 Cat 1 las luminarias con luminancia inferior a 200 cd/m^2 para ángulos de observación γ a partir de 55°.
Estaban clasificadas como CIBSE LG3 Cat 2 las luminarias con luminancia inferior a 200 cd/m^2 para ángulos de observación γ a partir de 65°.
Estaban clasificadas como CIBSE LG3 Cat 3 las luminarias con luminancia inferior a 200 cd/m^2 para ángulos de observación γ a partir de 75°.

Filtros de Colores

La aplicación de filtros de colores a una luminaria permite modificar las características fotocolorimétricas, por ejemplo la temperatura del color de la lámpara, adecuándola a las exigencias de un alumbrado de acento o de una ambientación particular.
La utilización de filtros determina, además, una reducción de la emisión luminosa de entidad variable en función de las características del filtro.

Archivos Eulumdat

Los archivos Eulumdat de todas las luminarias de FLOS están disponibles en nuestra web www.flos.com, para permitir su utilización en programas de cálculo luminotécnico.

SOFT ARCHITECTURE

Wall Rupture, Softprofile, Kapprofile,
Juncos, Wall Piercing, Soft Spun, Abajourd'hui,
Uso Boob, Usl Out, Apps,
G-O In, Teardrop, Uso,
Round, Square & Vertical Light,
Usb Round & Square Light.

Wall Rupture



Softprofile Smooth

Smooth Small



Smooth Large



Softprofile Deco

Starck Small



Starck Large



Wanders Small



Wanders Large



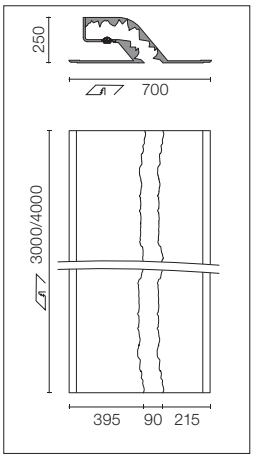
Kapprofile

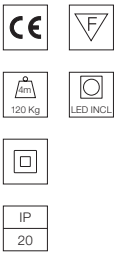


Wall Rupture Designed By Thierry Dreyfus

Light Source: LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K







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.

Luminaria empotrada para instalación a pared de tecnología Soft. Módulos de LED de diferente temperatura de color según el decorado y equipos no dimables incluidos. Fuente de alimentación 220/240V incluida.

Para una configuración personal consultar con el equipo de ventas de Flos architectural.

Profile

3m

SA.2423.5A145

SA.2423.5A165

4m

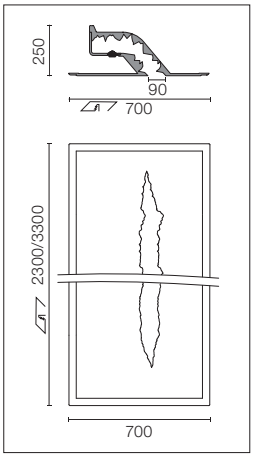
SA.2424.5A145

SA.2424.5A165

Wall Rupture with End caps Designed By Thierry Dreyfus

Light Source: 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

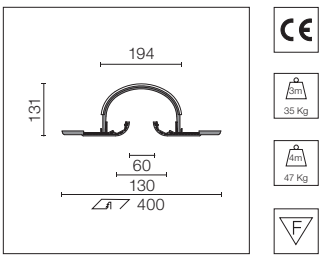
SA.2454.5A145

SA.2454.5A165

WINNER 2011

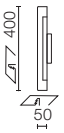
Softprofile Smooth Small Designed By Flos Soft Architecture





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

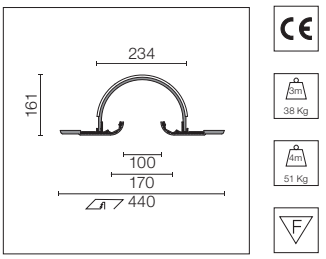
Ver módulos LED y controladores LED.

Profile
3m
SA.2293.1
4m
SA.2294.1

End cap
SA.2295.1

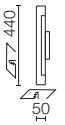
Softprofile Smooth Large Designed By Flos Soft Architecture





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

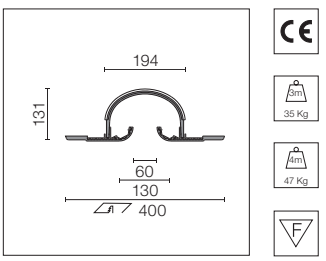
Ver módulos LED y controladores LED.

Profile
3m
SA.2323.1
4m
SA.2324.1

End cap
SA.2325.1

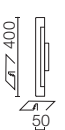
Softprofile Deco Starck Small Designed By Philippe Starck





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

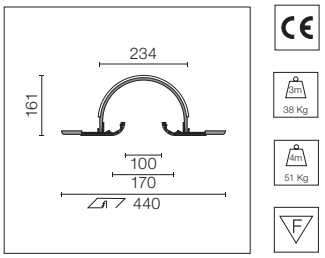
Ver módulos LED y controladores LED.

Profile
3m
SA.2313.1
SA.2313.3.120
SA.2313.3.140
SA.2313.3.160
4m
SA.2314.1
SA.2314.3.120
SA.2314.3.140
SA.2314.3.160

End cap
SA.2295.1

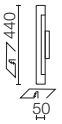
Softprofile Deco Starck Large Designed By Philippe Starck





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

Ver módulos LED y controladores LED.

Profile

3m

SA.2343.1

SA.2343.3.120

SA.2343.3.140

SA.2343.3.160

4m

SA.2344.1

SA.2344.3.120

SA.2344.3.140

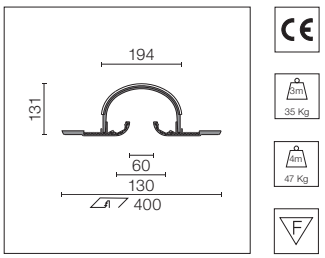
SA.2344.3.160

End cap

SA.2325.1

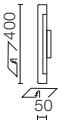
Softprofile Deco Wanders Small Designed By Marcel Wanders





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

Ver módulos LED y controladores LED.

Profile

3m

SA.2303.1

SA.2303.3.120

4m

SA.2304.1

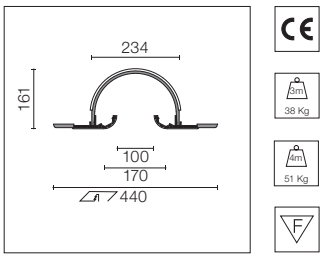
SA.2304.3.120

End cap

SA.2295.1

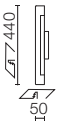
Softprofile Deco Wanders Large Designed By Marcel Wanders





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

Ver módulos LED y controladores LED.

Profile

3m

SA.2333.1

SA.2333.3.120

4m

SA.2334.1

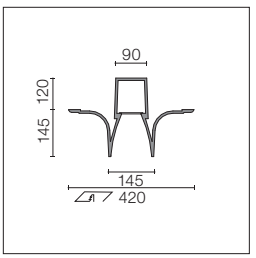
SA.2334.3.120

End cap

SA.2325.1

Kapprofile Designed By Flos Soft Architecture





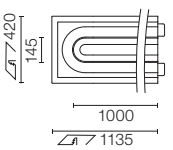


Soft technology ceiling-mounted modular profile. Fluorescence lighting systems not included. See Linear Module T5 Double. Profiles can be cut to the desired length.
Consult the front office for LED module installation.

Perfil modular de tecnología Soft para una instalación a techo. Sistemas de iluminación de fluorescencia no incluido. Ver Módulo Lineal Doble T5. Los perfiles se pueden cortar a la medida deseada.
Consulte con el front office para instalación de módulos LED.

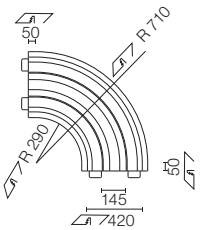
End cap / Terminal





*Corner / Esquina





2m
SA.2282.1

End cap 1m
SA.2285.1

Corner
SA.2286.1

* In Corner, lighting modules included.
* En la esquina los módulos de iluminación están incluidos.

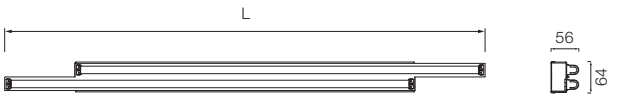
For Kapprofile

Linear Module T5 Double
Módulo Lineal Doble T5

T5 FH	Reference Referencia	Wattage (W) Potencia (W)	Lenght (L) Longitud (L)	* Number (N° Número (N°)
Linear T5 module for optimal illumination without dark zones, which are avoided by the overlapping. The modules are available in a dimmable version, and for different T5 wattages (high efficiency). Lamp not included.	Non Dimmable			
	08.8306.00	2x21	1025	9
	08.8307.00	2x28	1325	9
	08.8308.00	2x35	1625	9
Módulo lineal T5 para iluminación óptima sin zonas oscuras mediante superposición de tubos. Los módulos están disponibles en versión regulable y para diferentes potencias T5 (alto rendimiento). Lámparas no incluidas.	Dimmable 1-10V			
	08.8320.00	2x21	1025	9
	08.8321.00	2x28	1325	9
	08.8322.00	2x35	1625	9
	Dimmable Dali			
	08.8314.00	2x21	1025	9
	08.8315.00	2x28	1325	9
	08.8316.00	2x35	1625	9

* N°: Maximum number of modules connected in one line / N°: Número máximo de módulos conectados en una línea.

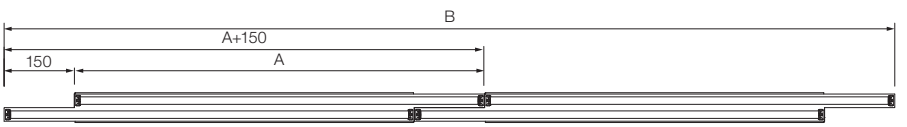
Linear Module T5 Double Scheme
Módulo Lineal Doble T5 Esquema Constructivo



Maximum Overlapping / Superposición Máxima

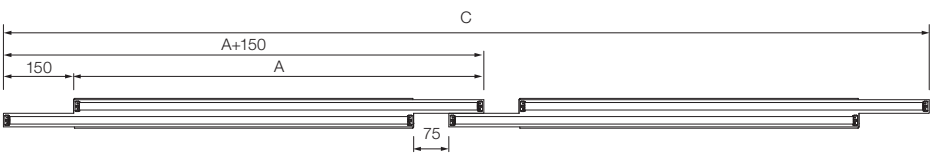
Linear Module T5 Double Connection
Módulo Lineal Doble T5 Esquema de Conexión

Wattage Potencia (W)	A	B	* Number Número (N°)
2x21	875	1900	9
2x28	1175	2500	9
2x35	1475	3100	9

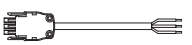


Minimum Overlapping / Superposición Mínima

Wattage Potencia (W)	A	C	* Number Número (N°)
2x21	875	1975	9
2x28	1175	2575	9
2x35	1475	3175	9

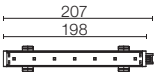


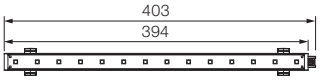
Accessories / Accesorios

Feed cable with female plug. Three poles, lenght: 250mm. Only for not dimmable versions. Must be ordered separately.	Cable de alimentación con conexión hembra. Tres polos, longitud: 250mm. Solo para versiones no regulables. Debe pedirse por separado.		08.8330.00
Feed cable with female plug. Three poles, lenght: 250mm. Feed cable for signal 1-10V / DALI included. Must be ordered separately.	Cable de alimentación con conexión hembra. Tres polos, longitud: 250mm. Cable de alimentación para la señal 1-10V / DALI, incluido. Debe pedirse por separado.		08.8356.00

For: Softprofile Smooth - Softprofile Deco

Linear Module LED
Módulo LED Lineal



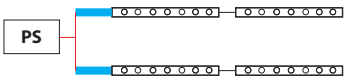


LED module for optimal indirect illumination. Tyco connections male / female for easy electrical connection in both sides. Can be clipped directly to the Profile.

Módulo LED para una óptima iluminación indirecta. Conexiones Tyco macho / hembra para una fácil conexión eléctrica en ambos lados. Puede ser enganchado directamente al Perfil.

White	RGB
08.8512.00C 3,5W 228 lm 3000K CRI 85	08.8294.00A 1,7W 77 lm CRI>90
08.8513.00C 7W 456 lm 3000K CRI 85	08.8296.00A 3,5W 154 lm CRI>90

Non Dimmable



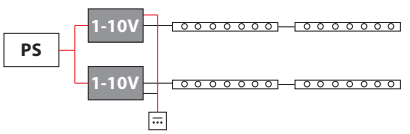
Wiring
Cableado

500mm feed cable for white LED modules with fast connection. Necessary one for each LED line (two for each Profile). Maximum for each feed cable: 3 LED line meters.
Electronic power supply not included.

500mm de cable de alimentación para módulos LED blancos con conexión rápida. Es necesario uno por cada línea LED (dos por cada Perfil). Máximo por cada cable de alimentación: 3 metros lineales LED.
Unidad de alimentación electrónica no incluida.

White
06.1016.00

Dimmable 1-10V



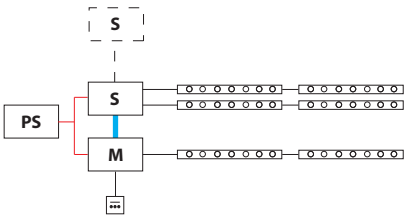
Dimmable Interface
Interfaz Regulable

1-10V interface with two 500mm feed cable for white LED modules with fast connection. Maximum for each interface: 6 LED meters. Electronic power supply not included.

Interfaz de 1-10V con dos cables de alimentación de 500mm para módulos LED blancos con conexión rápida. Máximo por cada interfaz: 6 metros de LED. Unidad de alimentación electrónica no incluida.

White
06.1022.00 1-10V

Dimmable Interfaces
Interfaces Regulables



Dali Master interface with one 5 pole distributor and two 500mm feed cable for easy connection.
Electronic power supply not included.

Interfaz “Master” Dali con un distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.

White	RGB
06.1023.00 M	06.1025.00 M

DMX Master interface with 5 pole distributor and two 500mm feed cable for easy connection.
Electronic power supply not included.

Interfaz “Master” DMX con distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.

RGB
06.1026.00 M

Radio Frequency (RF) RGB Master interface with 5 pole distributorand two 500mm feed cable for easy connection. Wall transmitter to make color changing integrated. Electronic power supply not included.

Interfaz “Master” RGB Radio Frecuencia (RF) con distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Transmisor de pared integrado para crear cambios de color. Unidad de alimentación electrónica no incluida.

RGB
06.1027.00 M

LED DRIVERS

For: Softprofile Smooth - Softprofile Deco

Dimmable Interfaces **Interfaces Regulables**	**White**	**RGB**
Slave interface to expand the signal with two 5 pole distributors and four 500mm feed cable for easy connection. Electronic power supply not included. Interfaz “Slave” para ampliar la señal con dos distribuidores de 5 polos y cuatro cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.	06.1024.00 S	06.1028.00 S
2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max. 2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.	08.8297.00	08.8298.00

Power Suply / Unidad de Alimentación

Installation in False Ceiling **Instalación en Falso Techo**	PS
Electronic 25W / Electrónica 25W Power supply / Fuente de alimentación LED. 25W – 24V. 100-240V, 50-60Hz.	60.8703
Electronic 60W / Electrónica 60W Power supply / Fuente de alimentación LED. 60W – 24V. 100-240V, 50-60Hz.	60.9089
Electronic 120W / Electrónica 120W Power supply / Fuente de alimentación LED. 120W – 24V. 100-240V, 50-60Hz.	60.9407

Remote Installation Electrical Panel **Instalación Remota en Cuadro Eléctrico**	PS
Electronic 240W / Electrónica 240W Power supply / Fuente de alimentación LED. 240W – 24V. 100-240V, 50-60Hz.	60.8268

Installation Guidelines / Tablas de Instalación

	White					RGB				
	20W	60W	100W	150W	240W	20W	60W	100W	150W	240W
Max lenght LED* Longitud máxima de LED*	1m	3,5m	5,5m	8m	13m	2m	8m	12m	20m	34m
Cable section (installer provides) Sección de cable (el instalador lo suministra)	0,5mm²	0,5mm²	0,75mm²	0,75mm²	1mm²	0,5mm²	0,5mm²	0,75mm²	0,75mm²	1mm²
Max distance Distancia máxima PS–M/S	5m	10m	15m	30m	50m	5m	10m	15m	30m	50m
Max distance Distancia máxima M–S	20m					20m				
Max distance Distancia máxima M/S–LED	20m					20m				
Max lenght LED connected to Máxima longitud módulos LED conectados con M	2m					7m				
Max lenght LED connected to Máxima longitud módulos LED conectados con S	4m					14m				

* Beware: For Softprofile, 2x LED lenght = profile lenght / Atención: Para Softprofile, 2x longitud de LED = longitud de perfil

Juncos

Juncos 1L



Juncos 3L



Juncos 6L



Juncos 9L



Wall Piercing

Wall Piercing 1X



Wall Piercing 2X



Wall Piercing 4X



Wall Piercing 2X Line



Soft Spun

Soft Spun Small
Halogen/ Fluorescent/ LED



Soft Spun Large
Halogen/ Fluorescent/ LED



Abajourd'hui

Abajourd'hui Small



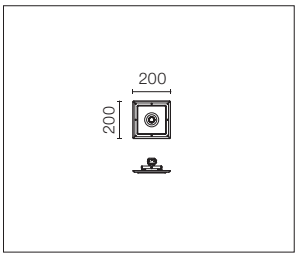
Abajourd'hui Large



Juncos Designed By Flos Soft Architecture

Juncos 1L





0,70 Kg

Semi-recessed LED luminaire for indoor applications. Seamless integration in the architectural environment by Soft Architecture technology. Power supply not included. See drivers in next page.

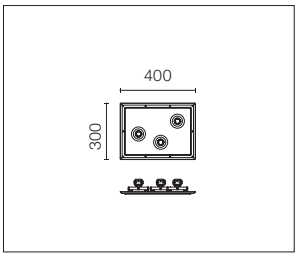
Pre-wired product to be connected to constant current.

Luminaria LED de interiores semiempotrada que combinada con la tecnología Soft Architecture se integra perfectamente en el espacio arquitectural. Fuente de alimentación no incluida. Ver drivers en la siguiente página.

Producto precableado para su conexión a corriente constante.

Juncos 3L





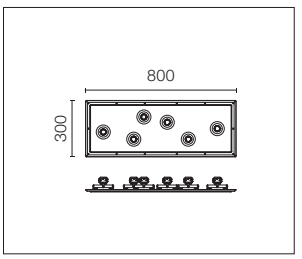
2,90 Kg

Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Juncos 6L





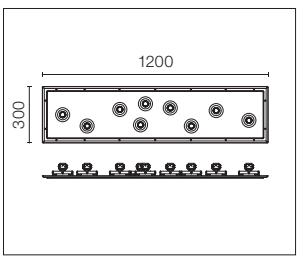
5,80 Kg

Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Juncos 9L





8,70 Kg

Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Soft Plate / Placa Soft

Juncos 1L
☐ SA.5200.5.120

Juncos 3L
☐ SA.5201.5.120

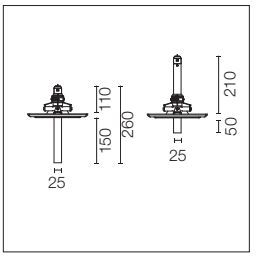
Juncos 6L
☐ SA.5202.5.120

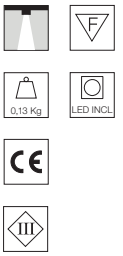
Juncos 9L
☐ SA.5203.5.120

Junco 250 mm

Light Source: Power LED DC 700 mA - 2,1W - 216 lm - 3000K/CRI 80 / 2,1W - 182 lm- 2700K/CRI 90





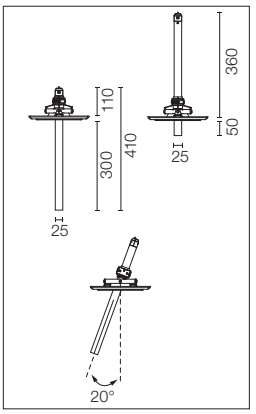


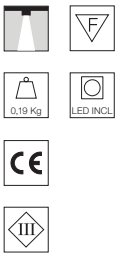
Luminaire that offers many possibilities. Can be individually focused and their recessed height is adjustable. Available in a black, white and chrome finish.

Luminaria que ofrece gran versatilidad. Individualmente orientable y nivel de empotramiento regulable. Disponible en acabado negro, blanco y cromo.

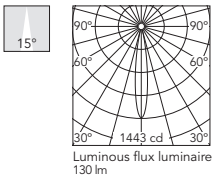
Junco 400 mm







Junco 250 mm
2700K
- 08.8595.40A
- 08.8595.06A
- 08.8595.AAA

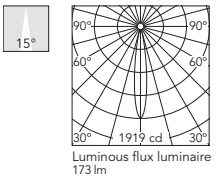


Luminous flux luminaire
130 lm

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

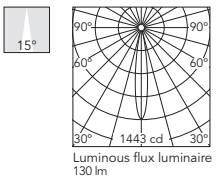


Luminous flux luminaire
173 lm

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

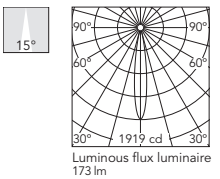


Luminous flux luminaire
130 lm

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

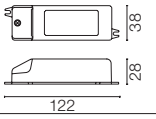
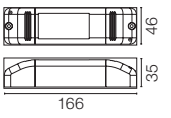
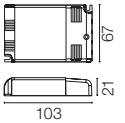


Luminous flux luminaire
173 lm

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

Drivers / Equipos

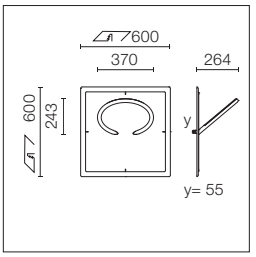
Non dimmable continuous current power supply of 17W, 700mA - 100/240V - 50/60Hz.	Fuente de alimentación de corriente constante 17W, 700mA - 100/240V - 50/60Hz.			60.8655
Non dimmable continuous current power supply of 32W, 700mA - 220/240V - 50/60Hz.	Fuente de alimentación de corriente constante 32W, 700mA - 220/240V - 50/60Hz.			60.8534
Continuous current power supply of 25W, 120-240V - 50/60Hz with power current selected through adjustable 700mA 1-10V switch or push dimming.	Fuente de alimentación de corriente constante 25W, 120-240V / 50-60Hz con corriente de alimentación seleccionable mediante switch 700mA regulable 1-10V o push dimming.			60.8533

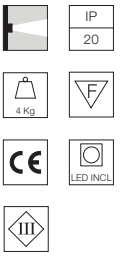
Max. distance from LED driver / Distancia máxima del equipo de LED Constant current driver (700mA) / Equipo de corriente constante			
Distance / Distancia	10 m	20 m	50 m
Cable section / Sección de cable	0,5mm^2	1mm^2	2,5mm^2

Wall Piercing 1X Designed By Ron Gilad

Light Source: LED White 1x6,4W - 416 lm - 2700K/CRI>90 / LED RGB 1x7,4W







Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

LED modules included. For power supply and dimming interface see LED drivers.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

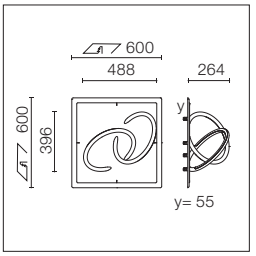
LED White
- SA.5020.5A120
- SA.5020.5A180

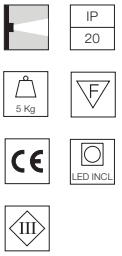
LED RGB
- SA.5020.6A120
- SA.5020.6A180

Wall Piercing 2X Designed By Ron Gilad

Light Source: LED White 2x6,4W - 2x416 lm - 2700K/CRI>90 / LED RGB 2x7,4W







Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

LED modules included. For power supply and dimming interface see LED drivers.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

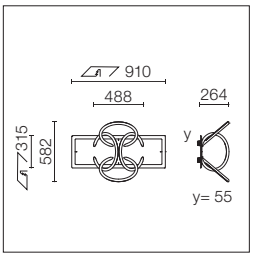
LED White
- SA.5021.5A120
- SA.5021.5A180

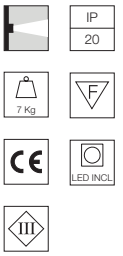
LED RGB
- SA.5021.6A120
- SA.5021.6A180

Wall Piercing 4X Designed By Ron Gilad

Light Source: LED White 4x6,4W - 4x416 lm - 2700K/CRI>90 / LED RGB 4x7,4W







Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

LED modules included. For power supply and dimming interface see LED drivers.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

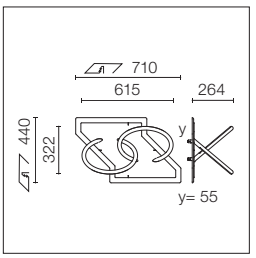
LED White
- SA.5022.5A120
- SA.5022.5A180

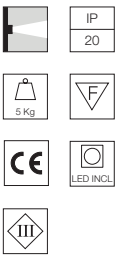
LED RGB
- SA.5022.6A120
- SA.5022.6A180

Wall Piercing 2X Line Designed By Ron Gilad

Light Source: LED White 2x6,4W - 2x416 lm - 2700K/CRI>90 / LED RGB 2x7,4W







Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

LED modules included. For power supply and dimming interface see LED drivers.

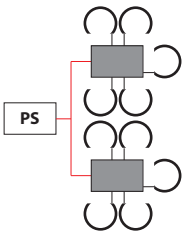
Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

LED White
- SA.5023.5A120
- SA.5023.5A180

LED RGB
- SA.5023.6A120
- SA.5023.6A180

Non Dimmable



Wiring
Cableado

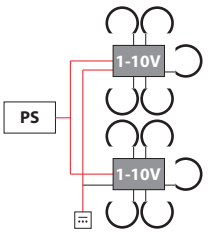
5 male pole distributor for easy connection with feed cable.
It's able to connect up to 5 Wall Piercings. Electronic power supply not included.

Distribuidor macho de 5 polos para una fácil conexión con cable de alimentación.
Posibilidad de conectar hasta 5 Wall Piercings. Unidad de alimentación electrónica no incluida.

White

06.1003.00

Dimmable 1-10V



Dimmable Interface
Interfaz Regulable

1-10V interface. 5 pole distributor for easy connection integrated.
It's able to connect up to 5 Wall Piercings. Electronic power supply not included.

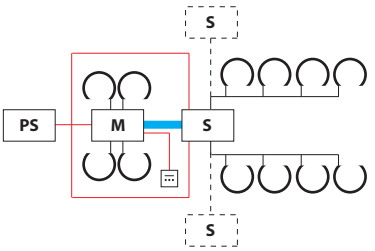
Interfaz de 1-10V. Distribuidor de 5 polos para una fácil conexión integrada.
Posibilidad de conectar hasta 5 Wall Piercings. Unidad de alimentación electrónica no incluida.

White

06.1011.00

1-10V

Dimmable Interfaces
Interfaces Regulables



White	RGB
DALI Master interface with 5 pole distributor for easy connection integrated. It's able to control up to 5 Wall Piercing. If more Wall Piercings are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included. Interfaz "Master" DALI con distribuidor de 5 polos para una fácil conexión integrada. Posibilidad de controlar hasta 5 Wall Piercing. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.	06.1019.00 M	06.1012.00 M
DMX Master interface with 5 pole distributor for easy connection integrated. It's able to control up to 5 wall piercing. If more Wall Piercings are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included. Interfaz "Master" DMX con distribuidor de 5 polos para una fácil conexión integrada 06.1005.00. Posibilidad de controlar hasta 5 Wall Piercings. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.		06.1005.00 M

Installer provides / El instalador lo suministra

Dimmable Interfaces **Interfaces Regulables**	**White**	**RGB**
Radio Frequency (RF) RGB Master interface with 5 pole distributor for easy connection integrated. Wall transmitter to make color changing integrated. It's able to control up to 5 Wall Piercings. If more Wall Piercings are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included. Interfaz "Master" RGB Radio Frecuencia (RF) con distribuidor de 5 polos para una fácil conexión integrada. Transmisor de pared integrado para crear cambios de color. Posibilidad de controlar hasta 5 productos Wall Piercings. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.		06.1013.00 M
Slave interface to expand the DALI/DMX/RF signal with two 5 pole distributors for easy connection.It's able to expand the Master signal in 10 Wall Piercings. If more Wall Piercings are in the same installation it's necessary to expand the signal with more Slave interfaces. Electronic power supply not included. Interfaz "Slave" para ampliar la señal DALI/DMX/RF con dos distribuidores de 5 polos para una fácil conexión. Posibilidad de ampliar la señal "Master" en 10 Wall Piercings. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con más interfaces "Slave". Unidad de alimentación electrónica no incluida.	06.1020.00 S	06.1014.00 S
2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max. 2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.	08.8297.00	08.8298.00

Power Suply / Unidad de Alimentación

Installation in False Ceiling **Instalación en Falso Techo**	PS
Electronic 25W / Electrónica 25W Power supply / Fuente de alimentación LED. 25W – 24V. 100-240V, 50-60Hz.	60.8703
Electronic 60W / Electrónica 60W Power supply / Fuente de alimentación LED. 60W – 24V. 100-240V, 50-60Hz.	60.9089
Electronic 120W / Electrónica 120W Power supply / Fuente de alimentación LED. 120W – 24V. 100-240V, 50-60Hz.	60.9407

Remote Installation Electrical Panel **Instalación Remota en Cuadro Eléctrico**	PS
Electronic 240W / Electrónica 240W Power supply / Fuente de alimentación LED. 240W – 24V. 100-240V, 50-60Hz.	60.8268

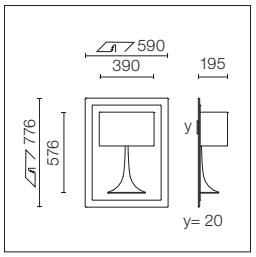
Installation Guidelines
Tablas de Instalación

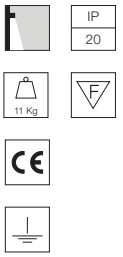
	White/RGB				
	20W	**60W**	**100W**	**150W**	**240W**
Wall Piercing	**2**	**8**	**13**	**20**	**32**
Cable section (installer provides) Sección de cable (el instalador lo suministra)	**0,5mm²**	**0,5mm²**	**0,75mm²**	**0,75mm²**	**1mm²**
Max distance Distancia máxima PS–M/S	**5m**	**10m**	**15m**	**30m**	**50m**
Max distance Distancia máxima M–S	**20m**				
Max distance Distancia máxima M/S–⬭⬭⬭	**20m**				

Soft Spun Halogen Small Designed By Sebastian Wrong

Light Source: LED QT-DE-12 1xR7s







Recessed luminaire with main voltage source for LED Retrofit lamp.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit.

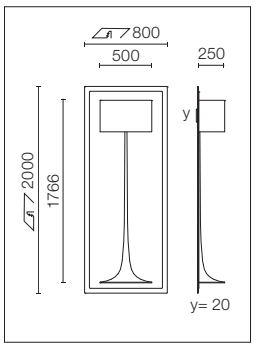
Ver catálogo FLOS Decorative Collection.

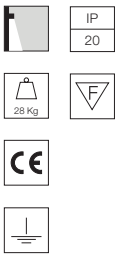
SA.5005.1

Soft Spun Halogen Large Designed By Sebastian Wrong

Light Source: LED QT-DE-12 1xR7s (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)







Recessed luminaire with main voltage source for LED Retrofit lamp. Electronic LED driver 220-240V / 50-60Hz integrated.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit. Conductor LED electrónico 220-24OV / 50-60 Hz integrado.

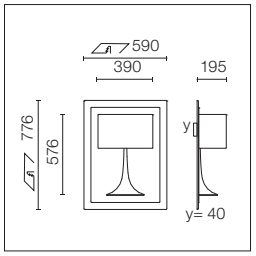
Ver catálogo FLOS Decorative Collection.

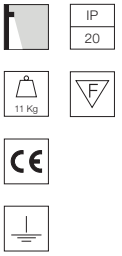
SA.5009.1

Soft Spun Fluorescent Small Designed By Sebastian Wrong

Light Source: TC-L 2x2G11 - 18W







Recessed luminaire for fluorescent lamp. Non-dimmable 220/240V ballasts included.

See Flos Decorative Collection catalogue.

Luminaria empotrable para lámpara fluorescente. Balastos 220/240V no dimables incluidos.

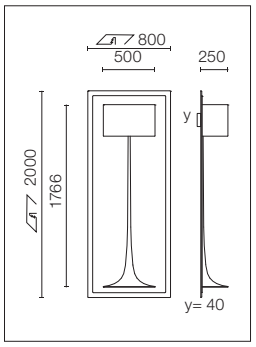
Ver catálogo FLOS Decorative Collection.

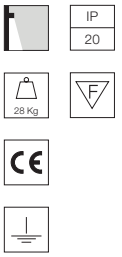
SA.5004.1

Soft Spun Fluorescent Large Designed By Sebastian Wrong

Light Source: TC-L 2x2G11 - 24W (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)







Recessed luminaire for fluorescent lamp. Non-dimmable 220/240V ballasts included.

See Flos Decorative Collection catalogue.

Luminaria empotrable para lámpara fluorescente. Balastos 220/240V no dimables incluidos.

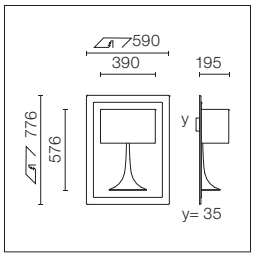
Ver catálogo FLOS Decorative Collection.

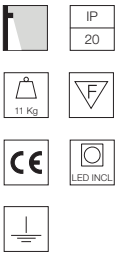
SA.5008.1

Soft Spun LED Small Designed By Sebastian Wrong

Light Source: LED White 35W - 1800 lm - 3000K/CRI 90







Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

See Flos Decorative Collection catalogue.

Luminaria empotrable para lámpara LED. Alimentador 220/240V no dimable incluido.

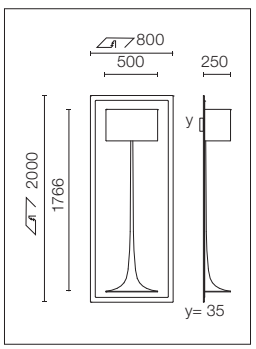
Ver catálogo FLOS Decorative Collection.

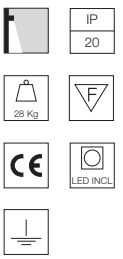
SA.5006.1F

Soft Spun LED Large Designed By Sebastian Wrong

Light Source: LED White 35W - 1800 lm - 3000K/CRI 90 (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)







Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

See Flos Decorative Collection catalogue.

Luminaria empotrable para lámpara LED. Alimentador 220/240V no dimable incluido.

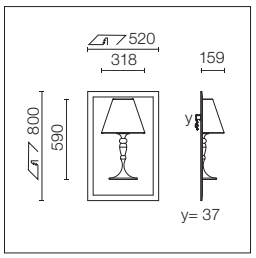
Ver catálogo FLOS Decorative Collection.

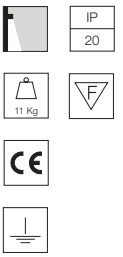
SA.5007.1F

Abajourd'hui Small Designed By Flos Soft Architecture

Light Source: QT-32 E27 - max 75W







Recessed luminaire with direct connection to mains. Excluded light source. To be ordered separately.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red. Fuente de luz no incluida. Se ha de pedir por separado.

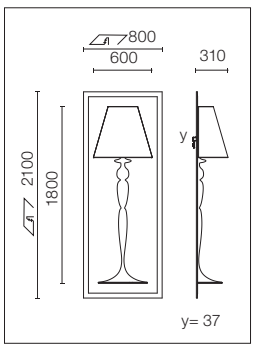
Ver catálogo FLOS Decorative Collection.

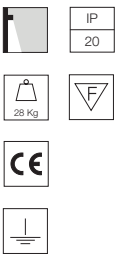
SA.5001.1

Abajourd'hui Large Designed By Flos Soft Architecture

Light Source: QT-32 E27 - max 150W







Recessed luminaire with direct connection to mains.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red.

Ver catálogo FLOS Decorative Collection.

SA.5000.1

Uso Boob

USO Boob 600 1L



USO Boob 600 for Modular Ceiling



USO Boob 600 2L



USO Boob 100 1L



USL Out

USL 6031



USL 6031 Recessed

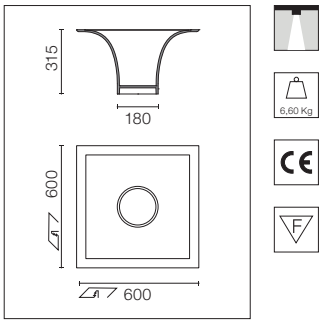


USL 6060 for Modular Ceiling



USO Boob 600 1L Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

SA.1014.3.001
SA.1014.3.102
SA.1014.3.003
SA.1014.3.004
SA.1014.3.009

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1014.3.014
SA.1014.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

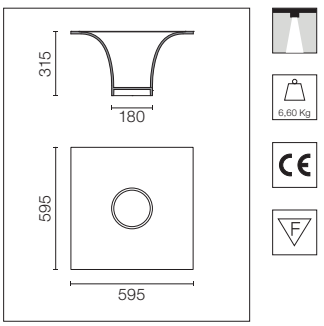
Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145*	Kap Ø105*
						
SA.1014.3.001	SA.1014.3.102	SA.1014.3.003	SA.1014.3.004	SA.1014.3.009	SA.1014.3.014	SA.1014.3.116

* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately /
Marco No Trim no incluido. Se ha de pedir por separado

USO Boob 600 For Modular Ceiling Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

SA.1019.3.001
SA.1019.3.102
SA.1019.3.003
SA.1019.3.004
SA.1019.3.009

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
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Las referencias no incluyen los productos de Flos architectural.

SA.1019.3.014
SA.1019.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

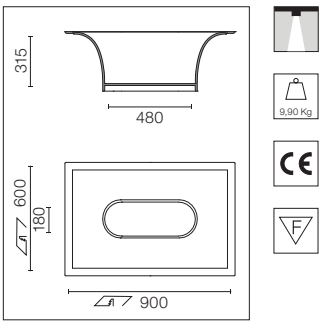
Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145*	Kap Ø105*
						
SA.1019.3.001	SA.1019.3.102	SA.1019.3.003	SA.1019.3.004	SA.1019.3.009	SA.1019.3.014	SA.1019.3.116

* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately /
Marco No Trim no incluido. Se ha de pedir por separado

USO Boob 600 2L Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1015.3.001
SA.1015.3.102
SA.1015.3.003
SA.1015.3.004
SA.1015.3.009

SA.1015.3.014
SA.1015.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145*	Kap Ø105*
						
SA.1015.3.001	SA.1015.3.102	SA.1015.3.003	SA.1015.3.004	SA.1015.3.009	SA.1015.3.014	SA.1015.3.116

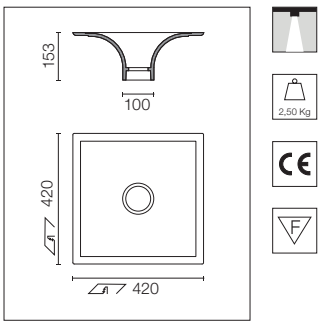
* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately /
Marco No Trim no incluido. Se ha de pedir por separado

Uso Boob 100 1L Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 1xGU5.3





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”.

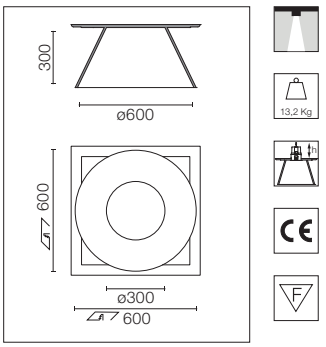
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido: transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente).

SA.1012.3.019

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USL 6031 Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

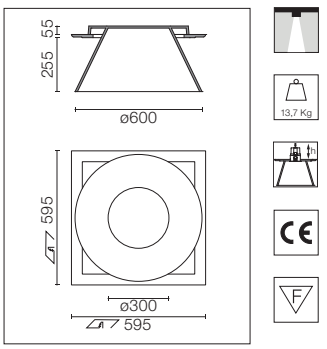
SA.4008.3.001
SA.4008.3.102
SA.4008.3.003
SA.4008.3.004
SA.4008.3.009
SA.4008.3.017

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145 165mm Hole
					
SA.4008.3.001 h=165	SA.4008.3.102 h=187	SA.4008.3.003 h=111	SA.4008.3.004 h=50	SA.4008.3.009 h=220	SA.4008.3.017 h=230

USL 6031 Recessed Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

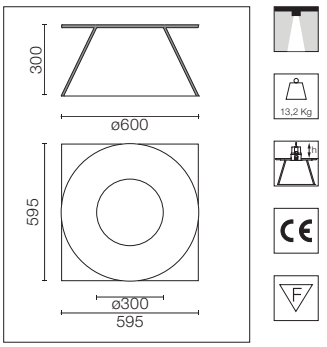
SA.4010.3.001
SA.4010.3.102
SA.4010.3.003
SA.4010.3.004
SA.4010.3.009
SA.4010.3.017

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145 165mm Hole
					
SA.4010.3.001 h=220	SA.4010.3.102 h=242	SA.4010.3.003 h=166	SA.4010.3.004 h=105	SA.4010.3.009 h=275	SA.4010.3.017 h=285

USL 6060 for Modular Ceiling Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

SA.4009.3.001
SA.4009.3.102
SA.4009.3.003

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.4009.3.004
SA.4009.3.009
SA.4009.3.017

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145 165mm Hole
					
SA.4009.3.001 h=165	SA.4009.3.102 h=187	SA.4009.3.003 h=111	SA.4009.3.004 h=50	SA.4009.3.009 h=220	SA.4009.3.017 h=230

Apps



G-O In



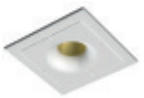
Teardrop

Small / Medium / Large



USO

USO Kap 105 / 145



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 / Medium / Large



Square Light

Small / Large



Vertical Light

Small / Large



USB Round

USB Round 1L



USB Round 1L W-W



USB Round 2L



USB Round 2L W-W



USB Square

USB Square 1L



USB Square 1L W-W



USB Square 2L



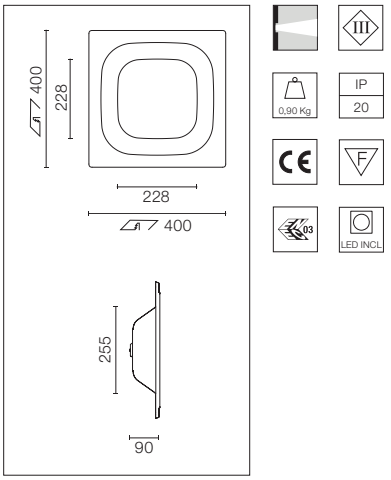
USB Square 2L W-W



Apps Designed By Jorge Herrera

Light Source: LED Array 4W - 350 lm - 4000K/CRI 80





Recessed sign luminaire for indoor application. Power supply source not included: continuous current power supply of 350mA. 220/240V, 50/60Hz.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación no incluida: fuente de alimentación de corriente constante 350mA. 220/240V, 50/60Hz.

90° DIR
- SA.5061.3.076
- SA.5061.3.0OG
- SA.5061.3.0V3

45° DIR
- SA.5062.3.076
- SA.5062.3.0OG
- SA.5062.3.0V3

WC Ladies
- SA.5063.3.076
- SA.5063.3.0OG
- SA.5063.3.0V3

WC Men
- SA.5064.3.076
- SA.5064.3.0OG
- SA.5064.3.0V3

WC
- SA.5065.3.076
- SA.5065.3.0OG
- SA.5065.3.0V3

Bar
- SA.5066.3.076
- SA.5066.3.0OG
- SA.5066.3.0V3

Restaurant
- SA.5067.3.076
- SA.5067.3.0OG
- SA.5067.3.0V3

Elevator
- SA.5068.3.076
- SA.5068.3.0OG
- SA.5068.3.0V3

Info
- SA.5069.3.076
- SA.5069.3.0OG
- SA.5069.3.0V3

Stairs
- SA.5070.3.076
- SA.5070.3.0OG
- SA.5070.3.0V3

Electrical / Equipos Electrónicos
60.8402

Signs
Señales

90° DIR



45° DIR



WC Ladies



WC Men



WC



Bar



Restaurant



Elevator



Info



Stairs



* Your Custom ID



Peripheral Lighting Colours
Color de la Luz Perimetral

- 76 White / 76 Blanco
- OG Orange / OG Naranja
- V3 Violet / V3 Violeta







* For a personal colour scheme and sign pictogram please ask the Flos architectural sales staff.
Para una configuración personal de color y pictograma de la señal, consultar al equipo de ventas de Flos architectural.

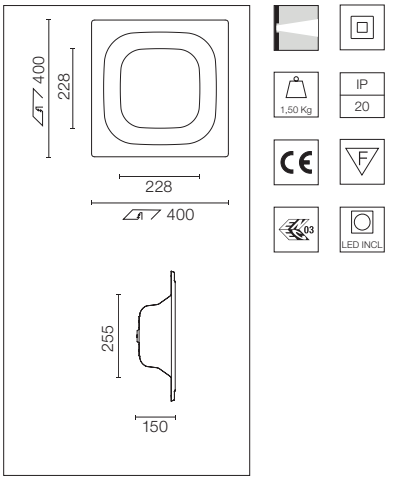
GOOD DESIGN

reddot design award
winner 2012

Apps Emergency Designed By Jorge Herrera

Light Source: LED Array 4W - 350 lm - 4000K/CRI 80





Recessed emergency sign luminaire for indoor application. Power supply source and emergency gear included. 4-hour autonomy, 80% Flow.

Luminaria empotrada de señalización de emergencia para aplicación interior. Fuente de alimentación y equipo de emergencia incluido. Autonomía 4 horas, flujo 80%.

- ☐ **90° DIR** SA.5071.3.076
- ☐ **45° DIR** SA.5072.3.076
- ☐ **Exit Right** SA.5073.3.076
- ☐ **Exit Left** SA.5074.3.076
- ☐ **Exit** SA.5075.3.076
- ☐ **Extinguisher** SA.5076.3.076
- ☐ **Fire Hose** SA.5077.3.076
- ☐ **Fire Alarm** SA.5078.3.076

Signs
Señales

90° DIR



45° DIR



Exit Right



Exit Left



Exit



Extinguisher



Fire Hose



Fire Alarm



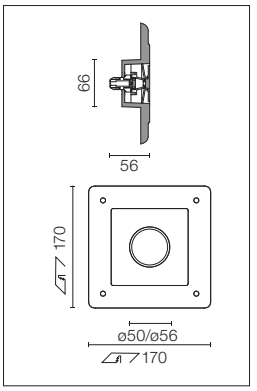
GOOD DESIGN

reddot design award
winner 2012

G-O In Designed By Jorge Herrera

Light Source: Top LED 1,2W - 24V - 105 lm - 3000K/CRI 90







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.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación no incluida: transformador electrónico de tensión constante (24V) para LED. 220/240V, 50/60Hz. Incluye cable de alimentación de 1000mm.

White Light / Luz Blanca
SA.5100.1A
Amber Light / Luz Ámbar
SA.5101.1A
Blue Light / Luz Azul
SA.5102.1A

Electrical / Equipos Electrónicos
8W
60.9157

Lighting Colours
Colores de la Luz

☐ White
Blanco

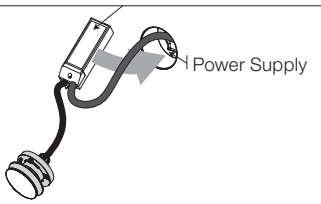
■ Amber
Ámbar

■ Blue
Azul



Ensure correct polarity (+-) Red +/ Black.

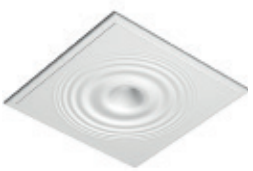
Asegure la correcta polaridad (+-) Rojo +/ Negro.

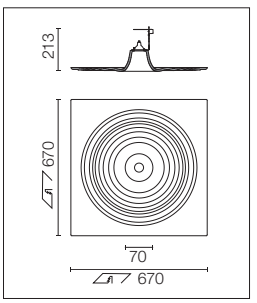


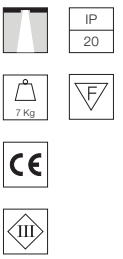
reddot design award
winner 2013

Teardrop Small Designed By Calvi Brambilla

Light Source: LED QR-CBC-51 1xGU5.3







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”.

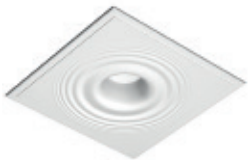
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido: transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge”.

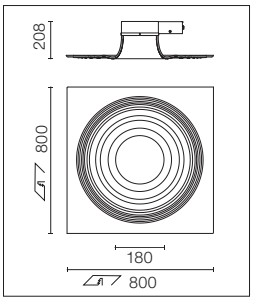
SA.1039.1

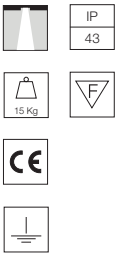
Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Teardrop Medium Designed By Calvi Brambilla

Light Source: TC-DEL 2xG24q - 26W







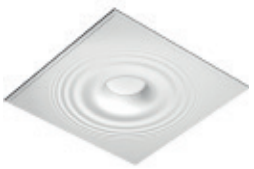
Recessed luminaire for fluorescent lamp. Non-dimmable ballasts 220-240V / 50-60Hz integrated.

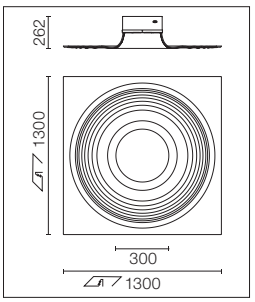
Luminaria empotrable para lámpara fluorescente. Balastos no dimables 220-240V / 50-60Hz integrado.

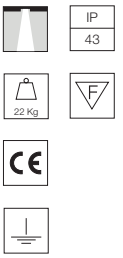
SA.1040.1

Teardrop Large Designed By Calvi Brambilla

Light Source: TC-L 4x2G11 - 18W







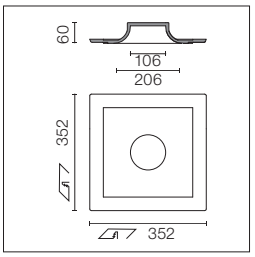
Recessed luminaire for fluorescent lamp. Non-dimmable ballasts 220-240V / 50-60Hz integrated.

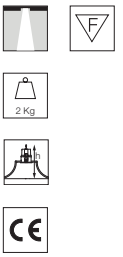
Luminaria empotrable para lámpara fluorescente. Balastos no dimables 220-240V / 50-60Hz integrado.

SA.1041.1

USO Kap 105 Designed By Flos Soft Architecture







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.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1034.3.001
SA.1034.3.116

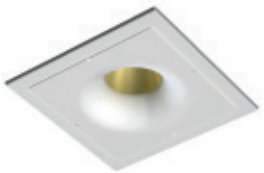
Flos architectural Recommended Products / Productos Flos architectural Recomendados

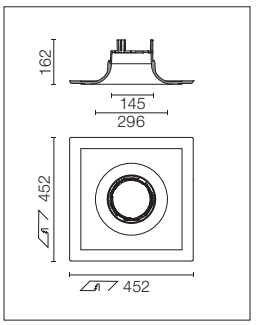
Light Sniper	Kap Ø105*
	
SA.1034.3.001 h=225	SA.1034.3.116 h=290

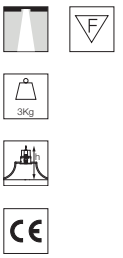
* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado

USO Kap 145 Designed By Flos Soft Architecture







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.

References do not include Flos architectural products.

SA.1035.1

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

Flos architectural Recommended Products / Productos Flos architectural Recomendados

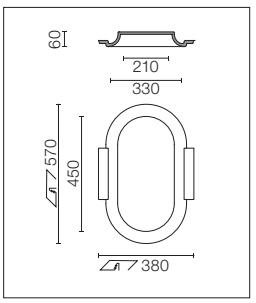
Kap Ø145*

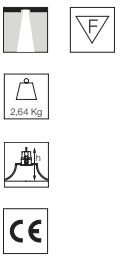
SA.1035.1 h=305

* Frame No Trim included / Marco No Trim incluido

USO 332 Designed By Flos Soft Architecture







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.

References do not include Flos architectural products.

SA.1001.3.001
SA.1001.3.102
SA.1001.3.003
SA.1001.3.004
SA.1001.3.009

Aplicación arquitectónica de tecnología Soft para techos modulares que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1001.3.014
SA.1001.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

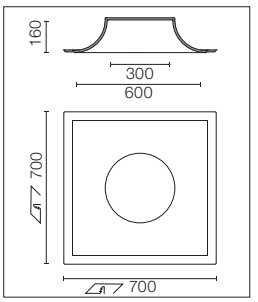
Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145*	Kap Ø105*
						
SA.1001.3.001 h=225	SA.1001.3.102 h=247	SA.1001.3.003 h=171	SA.1001.3.004 h=110	SA.1001.3.009 h=280	SA.1001.3.014 h=290	SA.1001.3.116 h=290

* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately /
Marco No Trim no incluido. Se ha de pedir por separado

USO 700 Designed By Flos Soft Architecture







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.

References do not include Flos architectural products.

SA.1002.3.001
SA.1002.3.102
SA.1002.3.003
SA.1002.3.004
SA.1002.3.009

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1002.3.014
SA.1002.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

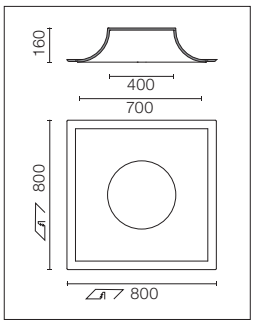
Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145*	Kap Ø105*
						
SA.1002.3.001 H=325	SA.1002.3.102 H=347	SA.1002.3.003 H=271	SA.1002.3.004 H=210	SA.1002.3.009 H=380	SA.1002.3.014 H=390	SA.1002.3.116 H=390

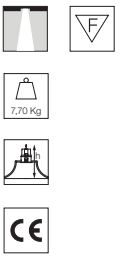
* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately /
Marco No Trim no incluido. Se ha de pedir por separado

USO 800 Designed By Flos Soft Architecture







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.

References do not include Flos architectural products.

SA.1003.3.001
SA.1003.3.102
SA.1003.3.003

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

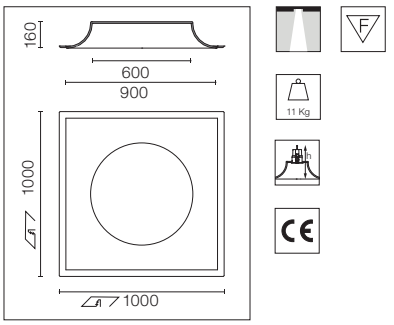
SA.1003.3.004
SA.1003.3.009
SA.1003.3.017

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145 165mm Hole
					
SA.1003.3.001 H=325	SA.1003.3.102 H=347	SA.1003.3.003 H=271	SA.1003.3.004 H=210	SA.1003.3.009 H=380	SA.1003.3.017 H=390

USO 1000 Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

SA.1004.3.001
SA.1004.3.102
SA.1004.3.003

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

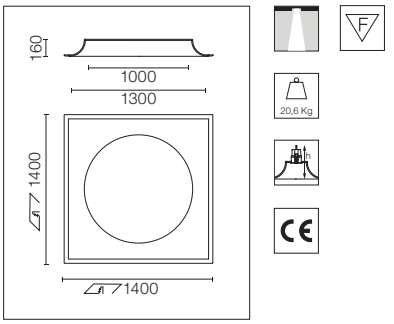
SA.1004.3.004
SA.1004.3.009
SA.1004.3.017

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145 165mm Hole
					
SA.1004.3.001 H=325	SA.1004.3.102 H=347	SA.1004.3.003 H=271	SA.1004.3.004 H=210	SA.1004.3.009 H=380	SA.1004.3.017 H=390

USO 1400 Designed By Flos Soft Architecture





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.

References do not include Flos architectural products.

SA.1005.3.001
SA.1005.3.102
SA.1005.3.003

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1005.3.004
SA.1005.3.009
SA.1005.3.017

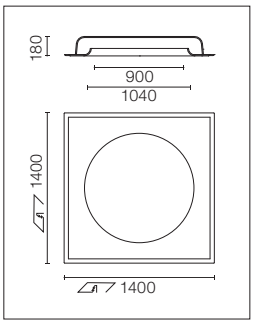
Flos architectural Recommended Products / Productos Flos architectural Recomendados

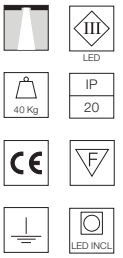
Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Kap Ø145 165mm Hole
					
SA.1005.3.001 H=325	SA.1005.3.102 H=347	SA.1005.3.003 H=271	SA.1005.3.004 H=210	SA.1005.3.009 H=380	SA.1005.3.017 H=390

USO 900 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 21W - 7600 lm / T5 FQ 4xG5 - 39W - 12400 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







Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

T5 FH
Dimmable 1-10V
SA.1006.4.11V
Dimmable Dali
SA.1006.4.1DA

Cold Cathode
SA.1006.4.300

***LED RGB**
SA.1006.6D100

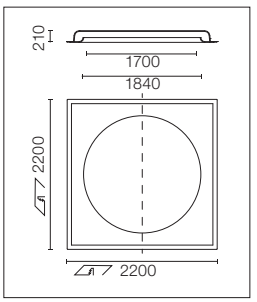
T5 FQ
Non Dimmable
SA.1006.4.200
Dimmable 1-10V
SA.1006.4.21V
Dimmable Dali
SA.1006.4.2DA

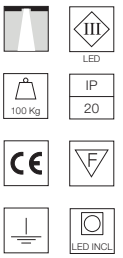
***LED White**
SA.1006.5D110

USO 1700 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 21W - 15200 lm / T5 FQ 8xG5 - 39W - 24800 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







Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

T5 FH
Dimmable 1-10V
SA.1007.4.11V
Dimmable Dali
SA.1007.4.1DA

Cold Cathode
SA.1007.4.300

***LED RGB**
SA.1007.6D100

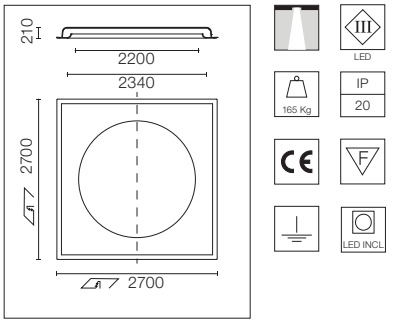
T5 FQ
Non Dimmable
SA.1007.4.200
Dimmable 1-10V
SA.1007.4.21V
Dimmable Dali
SA.1007.4.2DA

***LED White**
SA.1007.5D110

USO 2200 Cove Lighting Designed By Flos Soft Architecture

Light Source: 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





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

T5 FH
Dimmable 1-10V
SA.1008.4.11V
Dimmable Dali
SA.1008.4.1DA

Cold Cathode
SA.1008.4.300

***LED RGB**
SA.1008.6D100

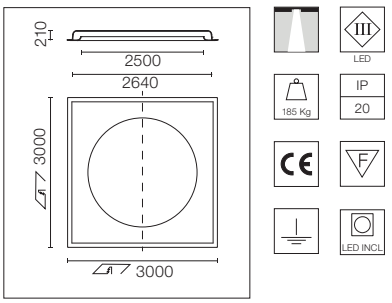
T5 FQ
Non Dimmable
SA.1008.4.200
Dimmable 1-10V
SA.1008.4.21V
Dimmable Dali
SA.1008.4.2DA

***LED White**
SA.1008.5D110

USO 2500 Cove Lighting Designed By Flos Soft Architecture

Light Source: 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





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

T5 FH
Dimmable 1-10V
SA.1009.4.11V
Dimmable Dali
SA.1009.4.1DA

Cold Cathode
SA.1009.4.300

***LED RGB**
SA.1009.6D100

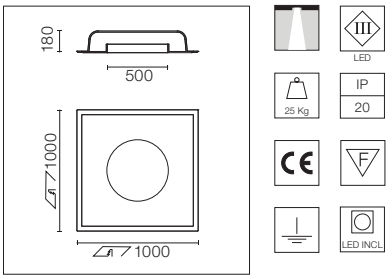
T5 FQ
Non Dimmable
SA.1009.4.200
Dimmable 1-10V
SA.1009.4.21V
Dimmable Dali
SA.1009.4.2DA

***LED White**
SA.1009.5D110

USO 100 50 Cove Lighting Designed By Flos Soft Architecture

Light Source: 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





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

T5 FH
Non Dimmable
SA.1010.4.100

T5 FQ
Non Dimmable
SA.1010.4.200

Cold Cathode
SA.1010.4.300

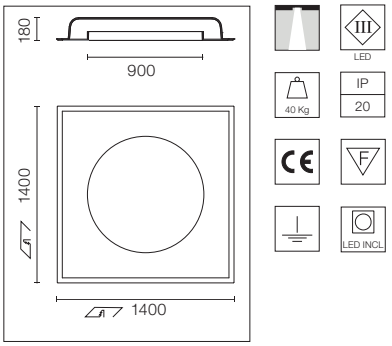
***LED White**
SA.1010.5D110

***LED RGB**
SA.1010.6D100

USO 140 90 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 21W - 7600 lm / T5 FQ 4xG5 - 39W - 12400 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





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

T5 FH
Dimmable 1-10V
SA.1011.4.11V
Dimmable Dali
SA.1011.4.1DA

T5 FQ
Non Dimmable
SA.1011.4.200
Dimmable 1-10V
SA.1011.4.21V
Dimmable Dali
SA.1011.4.2DA

Cold Cathode
SA.1011.4.300

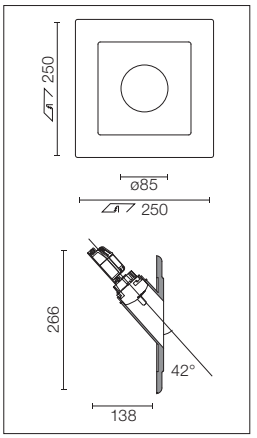
***LED RGB**
SA.1011.6D100

***LED White**
SA.1011.5D110

Round Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

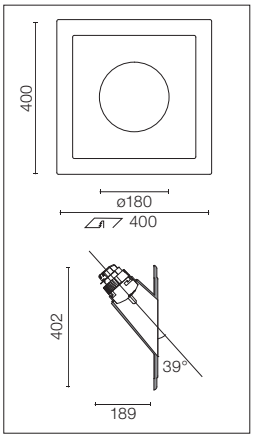
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

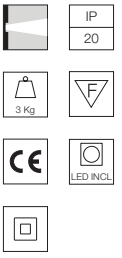
SA.3010.1C

Round Light Medium Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

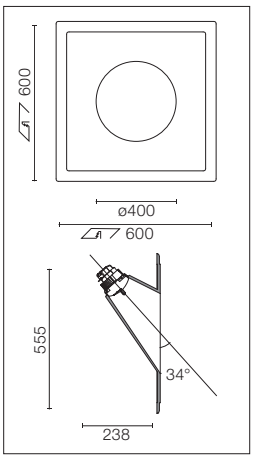
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

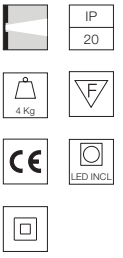
SA.3011.1B

Round Light Large Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

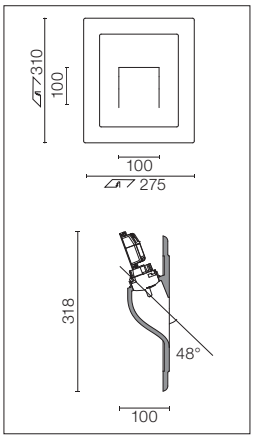
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

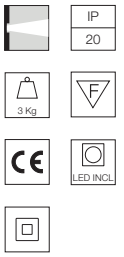
SA.3012.1B

Square Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

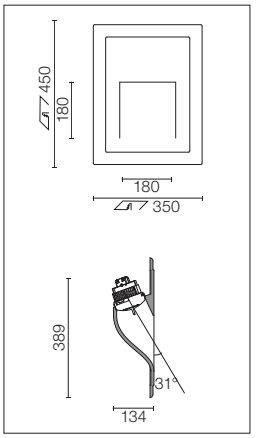
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

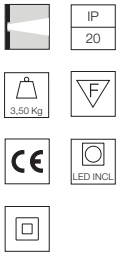
SA.3013.1C

Square Light Large Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 80







Recessed sign luminaire for indoor application. 100/240V power supply source included.

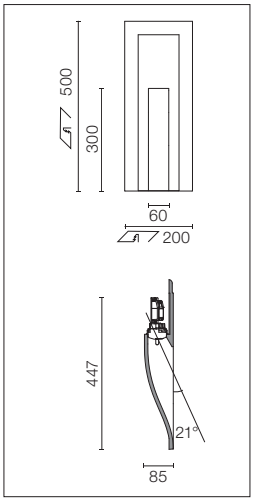
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

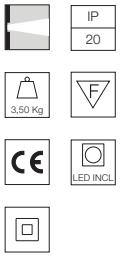
SA.3014.1B

Vertical Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

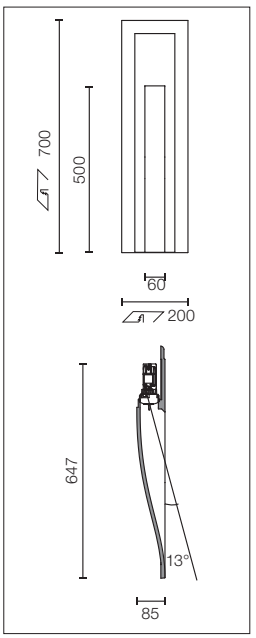
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

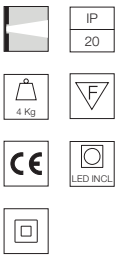
SA.3015.1C

Vertical Light Large Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

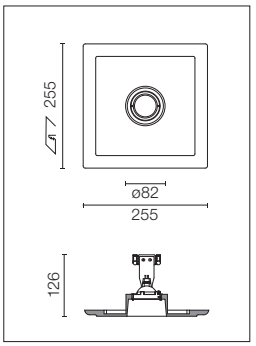
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

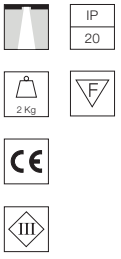
SA.3016.1C

USB Round 1L Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 1xGU5.3







Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

SA.3017.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accessorios

Anti-Glare.
40° cut-off accessory ring.

Antideslumbramiento.
Accesorio cut-off 40°.



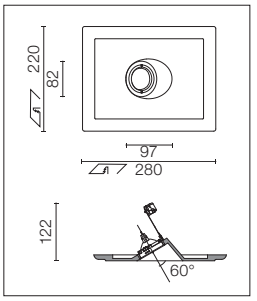


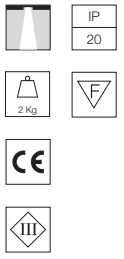
08.8270.00

USB Round 1L W-W Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 1xGU5.3







Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

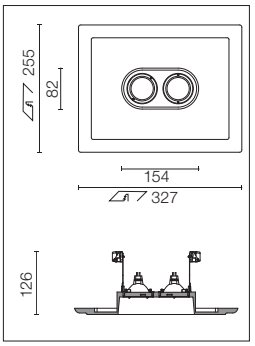
SA.3019.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USB Round 2L Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 2xGU5.3





IP 20 · 3 Kg · F · CE · III

Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

SA.3018.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accessorios

Anti-Glare.
40° cut-off accessory ring.

Antideslumbramiento.
Accesorio cut-off 40°.



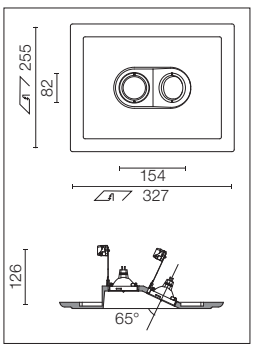


■ 08.8270.00

USB Round 2L W-W Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 2xGU5.3





IP 20 · 3 Kg · F · CE · III

Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

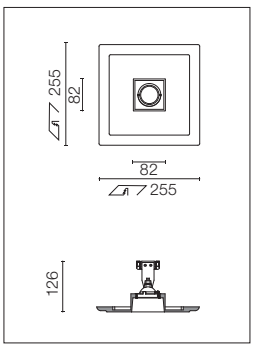
SA.3020.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USB Square 1L Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 1xGU5.3





IP 20 · 2 Kg · F · CE · III

Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

SA.3021.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accessorios

Anti-Glare.
40° cut-off accessory ring.

Antideslumbramiento.
Accesorio cut-off 40°.



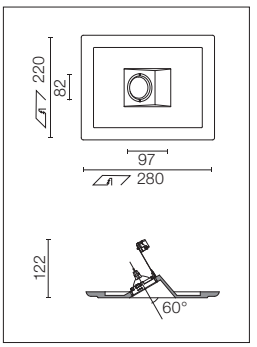


■ 08.8270.00

USB Square 1L W-W Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 1xGU5.3





IP 20 · 2 Kg · F · CE · III

Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

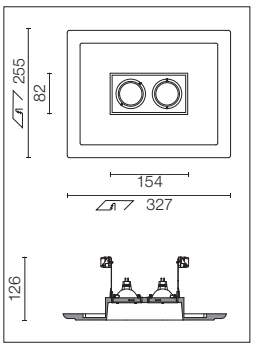
SA.3009.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USB Square 2L Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 2xGU5.3





IP 20 · 3 Kg · F · CE · III

Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

SA.3022.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accessorios

Anti-Glare.
40° cut-off accessory ring.

Antideslumbramiento.
Accesorio cut-off 40°.



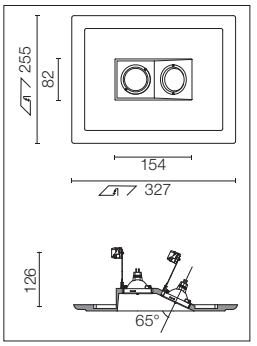


■ 08.8270.00

USB Square 2L W-W Designed By Flos Soft Architecture

Light Source: LED QR-CBC-51 2xGU5.3





IP 20 · 3 Kg · F · CE · III

Recessed luminaire for 12V LED Retrofit lamp. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”. Remote transformer not included.

Luminaria empotrable para lámpara LED Retrofit de 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge” (fase ascendente y descendente). Transformador remoto no incluido.

SA.3023.1

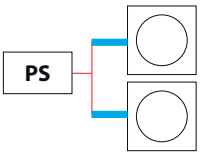
Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

SOFT ARCHITECTURE | IN

LED DRIVERS

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.

Non Dimmable



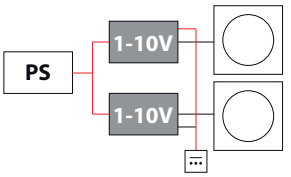
Wiring
Cableado

500mm feed cable for white LED modules with fast connection.
Electronic power supply not included.

500mm de cable de alimentación para módulos LED blancos con conexión rápida.
Unidad de alimentación electrónica no incluida.

White	RGB
06.1016.00	06.1049.00

Dimmable 1-10V



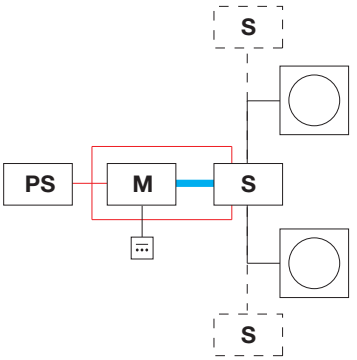
Dimmable Interface
Interfaz Regulable

1-10V dimmable interface with 500mm feed cable for white LED modules with fast connection. Electronic power supply not included.

Interfaz regulable de 1-10V con 500mm de cable de alimentación para módulos LED blancos con conexión rápida. Unidad de alimentación electrónica no incluida.

White
06.1022.00
1-10V

Dimmable Interfaces
Interfaces Regulables



DALI Master interface with one 5 pole distributor and one 500mm 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.

Interfaz "Master" DALI con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión.Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

White	RGB
06.1019.00	06.1012.00
M	M

DMX Master interface with one 5 pole distributor and one 500mm 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.

Interfaz "Master" DMX con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión.Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

RGB
06.1005.00
M

Radio Frequency (RF) RGB Master interface with one 5 pole distributor and one 500mm 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.

Interfaz "Master" RGB Radio Frecuencia (RF) con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión.Transmisor de pared integrado para crear cambios de color. Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

RGB
06.1013.00
M

Installer provides / El instalador lo suministra

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.

Dimmable Interfaces **Interfaces Regulables**	**White**	**RGB**
Slave interface to expand the control signal with two 500mm feed cables for easy connection. It's able to expand the Master signal in two USOs. Electronic power supply not included. Interfaz "Slave" para ampliar la señal de control con dos cables de alimentación de 500mm para una fácil conexión. Posibilidad de ampliar la señal "Master" en dos USO. Unidad de alimentación electrónica no incluida.	06.1022.00 S	06.1014.00 S
2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max. 2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.	08.8297.00	08.8298.00

Power Suply / Unidad de Alimentación	PS		PS
Electronic 100W / Electrónica 100W Power supply / Fuente de alimentación LED. 100W – 24V. 100-240V, 50-60Hz.	60.9443	**Electronic 200W / Electrónica 200W** Power supply / Fuente de alimentación LED. 200W – 24V. 100-240V, 50-60Hz.	60.9352
Electronic 120W / Electrónica 120W Power supply / Fuente de alimentación LED. 120W – 24V. 100-240V, 50-60Hz.	60.9407	**Electronic 240W / Electrónica 240W** Power supply / Fuente de alimentación LED. 240W – 24V. 100-240V, 50-60Hz.	60.8268

Installation Guidelines
Tablas de Instalación

REFERENCE	POWER (W)	LED MODULES	POWER SUPPLY UNITS	MAX. Distance			LED WHITE			RGB		
				PS–M/S	M–S	M/S–○○○○○	NO DIM	1-10V	DALI	DALI	DMX	RF
USO 100 50 Cove Lighting WHT: SA.1010.5D110 RGB: SA.1010.6D110	58	12 + 4 for corners (16)	100W **60.9443**	15m (0,75 mm²)	20m	20m	2x **(06.1016.00) FEED CABLE**	**06.1016.00 FEED CABLE + 06.1022.00 MASTER 1-10V**	**06.1016.00 FEED CABLE + 06.1019.00 DALI MASTER**	**06.1012.00 MASTER DALI + 06.1014.00 SLAVE**	**06.1005.00 MASTER DMX + 06.1014.00 SLAVE**	**06.1013.00 MASTER RF + 06.1014.00 SLAVE**
USO 140 90 Cove Lighting WHT: SA.1011.5D110 RGB: SA.1011.6D110	76	17 + 4 for corners (21)						2x **(06.1016.00) FEED CABLE + 06.1022.00 MASTER 1-10V**	2x **(06.1016.00) FEED CABLE + 06.1019.00 DALI MASTER**			
USO 900 Cove Lighting WHT: SA.1006.5D110 RGB: SA.1006.6D110												
USO 1700 Cove Lighting WHT: SA.1007.5D110 RGB: SA.1007.6D110	137	30 + 8 for corners (38)	200W **60.9352**	40m (1 mm²)			4x **(06.1016.00 FEED CABLE)**	3x **(06.1016.00) FEED CABLE + 2x (06.1022.00) MASTER 1-10V**	3x **(06.1016.00) FEED CABLE + 1x (06.1019.00) DALI MASTER + 1x (06.1020.00) SLAVE WHITE + 2x (06.1022.00) REPEATER PWM**	**06.1012.00 MASTER DALI + 2x (06.1014.00)* SLAVE**	**06.1005.00 MASTER DMX + 2x (06.1014.00)* SLAVE**	**06.1013.00 MASTER RF + 2x (06.1014.00)* SLAVE**
USO 2200 Cove Lighting WHT: SA.1008.5D110 RGB: SA.1008.6D110	180	38 + 12 for corners (50)	240W **60.8268**				5x **(06.1016.00) FEED CABLE**	5x **(06.1016.00) FEED CABLE + 2x (06.1022.00) MASTER 1-10V**	5x **(06.1016.00) FEED CABLE + 1x (06.1019.00) DALI MASTER + 1x (06.1020.00) SLAVE WHITE + 2x (06.1022.00) REPEATER PWM**			
USO 2500 Cove Lighting WHT: SA.1009.5D110 RGB: SA.1009.6D110	194	42 + 12 for corners (54)										

* For USO 2500 Cove Lighting RGB
1st Slave: 12 + 12 LED modules
2nd Slave: 10 + 10 +10 LED modules

For more detailed information, please refer to the instruction sheet. For a more complex installation, please consult the technical department. / Para información más detallada, consulte la hoja de instrucciones. Para una instalación más compleja, consulte al departamento técnico.

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.

CARACTERÍSTICAS FÍSICAS

Infiltración de Agua
El material es adecuado para todas las aplicaciones internas y no absorberá el vapor que se produzca por la excesiva humedad. El material no puede ser usado externamente.

Prueba de resistencia al Fuego para productos de construcción
El producto Soft Architecture está clasificado como A1 o A1fl, conforme a las normas UNE-EN 13501-1: 07, y los métodos de prueba UNE-EN ISO 1716:02 y UNE-EN ISO 1182:02.

Resistencia Química
El material no será expuesto a productos químicos líquidos ó cristales delicados.

Aislamiento Térmico
El material tiene un valor de conductividad térmica no superior a 0,47W/m2. deg K.

Densidad
El material tiene una densidad media de 1,65Kg/l.

Características Estructurales
El material tiene las siguientes características (según la norma EN 13279-2:2006).
Desviación máxima de carga: 139N a 7,2mm de espesor.
Compresión: la carga máxima de compresión es superior a 10000N.
Dureza: la dureza Shore C-80.

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.

CARACTERÍSTICAS DE LOS MATERIALES

Eco Rendimiento del Agua
El agua potable se utiliza en la proporción correcta para ofrecer una óptima utilidad. El agua es reutilizada cíclicamente a través de filtros especiales que previenen daños ecológicos antes de ser reutilizada en el medio ambiente.

Productos de desmolde
Productos de desmolde patentados son incorporados o aplicados externamente a la superficie del molde, para optimizar el tiempo del ciclo y añadir consistencia al acabado. Estos productos no tienen ningún efecto adverso en la superficie de los productos fabricados.

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.

DISEÑO & FABRICACIÓN

Diseño
Se ha aplicado la última tecnología 3D para desarrollar todos los componentes. Han sido fabricados y diseñados de acuerdo con un sistema de garantía de calidad totalmente documentado cumpliendo con la norma ISO 9001:2008.

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.

CONTROL DE CALIDAD

General
Todos los componentes son inspeccionados individualmente para prevenir defectos superficiales o de fabricación.
Normativa: UNE-EN 13815: 06; UNE-EN 14246: 07.

Área
Todos los componentes son inspeccionados individualmente para prevenir defectos de fabricación mayores de 0,5mm a 500mm desde el ángulo.

Uniformidad
Todos los componentes son inspeccionados individualmente para prevenir defectos de uniformidad de fabricación mayores de 1mm en 1m.

Espesor
Todos los componentes para techos continuos son individualmente inspeccionados para prevenir cambios superiores a 2mm de promedio como objetivo de espesor.

Tolerancia Dimensional
Todos los componentes son inspeccionados individualmente para prevenir la tolerancia dimensional por encima de +/- 3mm.
Más información en www.soft-architecture.com.

Eflorescencia
Todos los componentes con la superficie iluminada/visible son inspeccionados individualmente para prevenir la eflorescencia.

Hecho a mano
Este producto ha sido fabricado a mano. Cualquier posible imperfección es debida a su proceso de fabricación artesanal.

CRADLE TO CRADLE
Soft Architecture is designed to last and to minimize the harmful effects on the natural environment during production. sustainability, innovation and quality are our main goals, inspired by nature.

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
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
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
Dimmers are devices used to vary the brightness of a light.

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
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
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
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
A power supply is a device that supplies electrical energy to one or more electric loads.

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
The slave interface is used to reply the modulated signal of the master interface in installations where the master is overloaded.

CRADLE TO CRADLE
Soft Architecture está diseñado para resistir y minimizar los efectos nocivos sobre el medio ambiente durante la producción. Sostenibilidad, innovación y calidad son nuestros principales objetivos, inspirados por la naturaleza.

1-10V
1-10V es uno de los primeros y más simples controles de iluminación electrónica. La señal de control es una tensión de corriente continua que varía entre uno y diez voltios. La iluminación controlada debería aumentar su producción de manera que a 10 V. la luz controlada estaría al 100% de su potencial producción , y a 1 V. estaría al 0% de su producción (es decir “apagada”).

CRI
El índice de reproducción cromática (IRC) es una medida cuantitativa de la capacidad de una fuente de luz para reproducir fielmente los colores de varios objetos en comparación con una fuente de luz ideal o natural. Las fuentes de luz con un alto IRC son aconsejables en aplicaciones de color críticas.

DALI
Interfaz Digital de Iluminación Direccionable (DALI) es un estándar técnico para sistemas basados en la red que controlan la iluminación en los edificios. El estándar DALI abarca el protocolo de comunicaciones y la interfaz eléctrica para las redes de control de iluminación.

DIMMER (REGULADOR DE VOLTAJE)
Los Dimmers son dispositivos utilizados para variar la intensidad de la luz.

DMX
DMX es un estándar para redes de comunicación digital que son comúnmente utilizadas para controlar la iluminación de escenario. Permite programar la regulación de color y variación para RGB.

KELVIN
El kelvin se utiliza para medir la temperatura del color de fuentes de iluminación. La temperatura del color es una característica de la luz visible que tiene importantes aplicaciones en iluminación porque indica si la luz es cálida (temperaturas de color bajas) o fría (temperaturas de color altas).

LUMEN
El lumen (símbolo: lm) es la unidad SI de flujo luminoso, una medida de la potencia de la luz percibida por el ojo humano.

INTERFAZ MASTER
La interfaz Master es un dispositivo electrónico que recibe la señal (DALI/DMX/…) y devuelve una señal modulada para el LED. Es posible controlar la luz con una potencia máxima de carga.

UNIDAD DE ALIMENTACIÓN
Una unidad de alimentación es un dispositivo que suministra energía eléctrica a una o más cargas eléctricas.

RGB
El modelo a color RGB es un modelo a color añadido donde la luz roja, verde y azul son mezcladas juntas de varias formas para reproducir una amplia gama de colores. El nombre del modelo se da por las iniciales de los tres colores primarios, rojo, verde y azul.

INTERFAZ SLAVE
La interfaz slave se utiliza para responder a la señal modulada de la interfaz Master en instalaciones donde la interfaz Master está sobrecargada.

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.

Nota: Los datos técnicos están sujetos a cambios sin previo aviso. La información es consecuente con nuestras condiciones actuales de producción y refleja los valores típicos relativos a los parámetros específicos de fabricación y para los USOs para los que fueron creados. La empresa se exime expresamente de toda responsabilidad por cualquier daño causado por productos aplicados de modo incorrecto o no utilizados con la típica finalidad para lo que fueron creados.

QUICK SEARCH OF PRODUCT

Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
03.0700.14A	458	03.0723.TKA	461	03.0805.14	464	03.1232.ERA	553	03.1256.ERA	552	03.2237.40A	80
03.0700.14ANT	458	03.0730.14A	462	03.0805.40	464	03.1232.ESA	553	03.1256.ESA	552	03.2238.14A	80
03.0700.40A	458	03.0730.40A	462	03.1060.14	574	03.1233.DRA	553	03.1257.DRA	552	03.2238.40A	80
03.0700.40ANT	458	03.0730.CEA	462	03.1060.29	574	03.1233.DYA	553	03.1257.DYA	552	03.2240.14	81
03.0701.14A	458	03.0730.TKA	462	03.1060.30	574	03.1233.EQA	553	03.1257.EQA	552	03.2240.40	81
03.0701.14ANT	458	03.0731.14A	462	03.1060.TK	574	03.1233.ERA	553	03.1257.ERA	552	03.2241.14	81
03.0701.40A	458	03.0731.40A	462	03.1060.WG	574	03.1233.ESA	553	03.1257.ESA	552	03.2241.40	81
03.0701.40ANT	458	03.0731.CEA	462	03.1061.14	575	03.1235.DRA	553	03.1258.DRA	552	03.2242.14	81
03.0702.14A	459	03.0731.TKA	462	03.1061.29	575	03.1235.DYA	553	03.1258.DYA	552	03.2242.40	81
03.0702.14ANT	459	03.0732.14A	462	03.1061.30	575	03.1235.EQA	553	03.1258.EQA	552	03.2243.14	81
03.0702.40A	459	03.0732.40A	462	03.1061.TK	575	03.1235.ERA	553	03.1258.ERA	552	03.2243.40	81
03.0702.40ANT	459	03.0732.CEA	462	03.1061.WG	575	03.1235.ESA	553	03.1258.ESA	552	03.2245.14	81
03.0703.14A	459	03.0732.TKA	462	03.1063.14	575	03.1236.DRA	553	03.2001.01	403	03.2245.40	81
03.0703.14ANT	459	03.0733.14A	462	03.1063.29	575	03.1236.DYA	553	03.2001.01.DA	403	03.2246.14	81
03.0703.40A	459	03.0733.40A	462	03.1063.30	575	03.1236.EQA	553	03.2001.14	403	03.2246.40	81
03.0703.40ANT	459	03.0733.CEA	462	03.1063.TK	575	03.1236.ERA	553	03.2001.14.DA	403	03.2247.14	81
03.0704.14A	458	03.0733.TKA	462	03.1063.WG	575	03.1236.ESA	553	03.2001.CU	403	03.2247.40	81
03.0704.14ANT	458	03.0734.14A	462	03.1064.14	575	03.1237.DRA	553	03.2001.CU.DA	403	03.2248.14	81
03.0704.40A	458	03.0734.40A	462	03.1064.29	575	03.1237.DYA	553	03.2003.01	403	03.2248.40	81
03.0704.40ANT	458	03.0734.CEA	462	03.1064.30	575	03.1237.EQA	553	03.2003.01.DA	403	03.2250.14	81
03.0705.14A	458	03.0734.TKA	462	03.1064.TK	575	03.1237.ERA	553	03.2003.14	403	03.2250.40	81
03.0705.14ANT	458	03.0735.14A	462	03.1064.WG	575	03.1237.ESA	553	03.2003.14.DA	403	03.2251.14	81
03.0705.40A	458	03.0735.40A	462	03.1200.DR	550	03.1238.DRA	553	03.2003.CU	403	03.2251.40	81
03.0705.40ANT	458	03.0735.CEA	462	03.1200.DY	550	03.1238.DYA	553	03.2003.CU.DA	403	03.2252.14	81
03.0706.14A	459	03.0735.TKA	462	03.1200.EQ	550	03.1238.EQA	553	03.2005.01	404	03.2252.40	81
03.0706.14ANT	459	03.0740.14	464	03.1200.ER	550	03.1238.ERA	553	03.2005.01.DA	404	03.2253.14	81
03.0706.40A	459	03.0740.40	464	03.1200.ES	550	03.1238.ESA	553	03.2005.14	404	03.2253.40	81
03.0706.40ANT	459	03.0741.14	464	03.1201.DR	550	03.1240.DRA	554	03.2005.14.DA	404	03.2255.14	81
03.0707.14A	459	03.0741.40	464	03.1201.DY	550	03.1240.DYA	554	03.2005.CU	404	03.2255.40	81
03.0707.14ANT	459	03.0742.14	464	03.1201.EQ	550	03.1240.EQA	554	03.2005.CU.DA	404	03.2256.14	81
03.0707.40A	459	03.0742.40	464	03.1201.ER	550	03.1240.ERA	554	03.2006.01	403	03.2256.40	81
03.0707.40ANT	459	03.0743.14	464	03.1201.ES	550	03.1240.ESA	554	03.2006.01.DA	403	03.2257.14	81
03.0708.14A	458	03.0743.40	464	03.1205.DR	550	03.1241.DRA	554	03.2006.14	403	03.2257.40	81
03.0708.14ANT	458	03.0744.14	464	03.1205.DY	550	03.1241.DYA	554	03.2006.14.DA	403	03.2258.14	81
03.0708.40A	458	03.0744.40	464	03.1205.EQ	550	03.1241.EQA	554	03.2006.CU	403	03.2258.40	81
03.0708.40ANT	458	03.0745.14	464	03.1205.ER	550	03.1241.ERA	554	03.2006.CU.DA	403	03.2260.14	76
03.0709.14A	458	03.0745.40	464	03.1205.ES	550	03.1241.ESA	554	03.2007.01	403	03.2261.14	76
03.0709.14ANT	458	03.0760.14A	461	03.1206.DR	550	03.1242.DRA	554	03.2007.01.DA	403	03.2262.14	76
03.0709.40A	458	03.0760.40A	461	03.1206.DY	550	03.1242.DYA	554	03.2007.14	403	03.2263.14	76
03.0709.40ANT	458	03.0760.CEA	461	03.1206.EQ	550	03.1242.EQA	554	03.2007.14.DA	403	03.2264.14	76
03.0710.14A	459	03.0760.TKA	461	03.1206.ER	550	03.1242.ERA	554	03.2007.CU	403	03.2265.14	76
03.0710.14ANT	459	03.0761.14A	461	03.1206.ES	550	03.1242.ESA	554	03.2007.CU.DA	403	03.2266.14	76
03.0710.40A	459	03.0761.40A	461	03.1210.DR	551	03.1243.DRA	554	03.2008.01	404	03.2267.14	76
03.0710.40ANT	459	03.0761.CEA	461	03.1210.DY	551	03.1243.DYA	554	03.2008.01.DA	404	03.2268.14	76
03.0711.14A	459	03.0761.TKA	461	03.1210.EQ	551	03.1243.EQA	554	03.2008.14	404	03.2269.14	76
03.0711.14ANT	459	03.0762.14A	461	03.1210.ER	551	03.1243.ERA	554	03.2008.14.DA	404	03.2270.14	76
03.0711.40A	459	03.0762.40A	461	03.1210.ES	551	03.1243.ESA	554	03.2008.CU	404	03.2271.14	76
03.0711.40ANT	459	03.0762.CEA	461	03.1211.DR	551	03.1245.DRA	554	03.2008.CU.DA	404	03.2272.14	76
03.0712.14A	460	03.0762.TKA	461	03.1211.DY	551	03.1245.DYA	554	03.2152.40ACB	261	03.2273.14	76
03.0712.14ANT	460	03.0763.14A	461	03.1211.EQ	551	03.1245.EQA	554	03.2152.40ADA	261	03.2274.14	76
03.0712.40A	460	03.0763.40A	461	03.1211.ER	551	03.1245.ERA	554	03.2210.14A	78	03.2275.14	76
03.0712.40ANT	460	03.0763.CEA	461	03.1211.ES	551	03.1245.ESA	554	03.2210.40A	78	03.2280.14	77
03.0713.14A	460	03.0763.TKA	461	03.1215.DR	551	03.1246.DRA	554	03.2211.14A	78	03.2281.14	77
03.0713.14ANT	460	03.0764.14A	461	03.1215.DY	551	03.1246.DYA	554	03.2211.40A	78	03.2282.14	77
03.0713.40A	460	03.0764.40A	461	03.1215.EQ	551	03.1246.EQA	554	03.2212.14A	78	03.2283.14	77
03.0713.40ANT	460	03.0764.CEA	461	03.1215.ER	551	03.1246.ERA	554	03.2212.40A	78	03.2284.14	77
03.0714.14A	460	03.0764.TKA	461	03.1215.ES	551	03.1246.ESA	554	03.2213.14A	78	03.2285.14	77
03.0714.14ANT	460	03.0765.14A	461	03.1216.DR	551	03.1247.DRA	554	03.2213.40A	78	03.2286.14	77
03.0714.40A	460	03.0765.40A	461	03.1216.DY	551	03.1247.DYA	554	03.2215.14A	78	03.2287.14	77
03.0714.40ANT	460	03.0765.CEA	461	03.1216.EQ	551	03.1247.EQA	554	03.2215.40A	78	03.2288.14	77
03.0715.14A	460	03.0765.TKA	461	03.1216.ER	551	03.1247.ERA	554	03.2216.14A	78	03.2289.14	77
03.0715.14ANT	460	03.0770.14A	462	03.1216.ES	551	03.1247.ESA	554	03.2216.40A	78	03.2290.14	77
03.0715.40A	460	03.0770.40A	462	03.1220.DR	550	03.1248.DRA	554	03.2217.14A	78	03.2291.14	77
03.0715.40ANT	460	03.0770.CEA	462	03.1220.DY	550	03.1248.DYA	554	03.2217.40A	78	03.2292.14	77
03.0716.14A	460	03.0770.TKA	462	03.1220.EQ	550	03.1248.EQA	554	03.2218.14A	78	03.2293.14	77
03.0716.14ANT	460	03.0771.14A	462	03.1220.ER	550	03.1248.ERA	554	03.2218.40A	78	03.2294.14	77
03.0716.40A	460	03.0771.40A	462	03.1220.ES	550	03.1248.ESA	554	03.2220.14A	79	03.2295.14	77
03.0716.40ANT	460	03.0771.CEA	462	03.1221.DR	550	03.1250.DRA	552	03.2220.40A	79	03.2300.14A	79
03.0717.14A	460	03.0771.TKA	462	03.1221.DY	550	03.1250.DYA	552	03.2221.14A	79	03.2300.40A	79
03.0717.14ANT	460	03.0772.14A	462	03.1221.EQ	550	03.1250.EQA	552	03.2221.40A	79	03.2301.14A	79
03.0717.40A	460	03.0772.40A	462	03.1221.ER	550	03.1250.ERA	552	03.2222.14A	79	03.2301.40A	79
03.0717.40ANT	460	03.0772.CEA	462	03.1221.ES	550	03.1250.ESA	552	03.2222.40A	79	03.2302.14A	79
03.0718.14A	461	03.0772.TKA	462	03.1225.DR	550	03.1251.DRA	552	03.2223.14A	79	03.2302.40A	79
03.0718.40A	461	03.0773.14A	462	03.1225.DY	550	03.1251.DYA	552	03.2223.40A	79	03.2303.14A	79
03.0718.CEA	461	03.0773.40A	462	03.1225.EQ	550	03.1251.EQA	552	03.2225.14A	79	03.2303.40A	79
03.0718.TKA	461	03.0773.CEA	462	03.1225.ER	550	03.1251.ERA	552	03.2225.40A	79	03.2520.14	470
03.0719.14A	461	03.0773.TKA	462	03.1225.ES	550	03.1251.ESA	552	03.2226.14A	79	03.2520.30	470
03.0719.40A	461	03.0774.14A	462	03.1226.DR	550	03.1252.DRA	552	03.2226.40A	79	03.2521.14	470
03.0719.CEA	461	03.0774.40A	462	03.1226.DY	550	03.1252.DYA	552	03.2227.14A	79	03.2521.30	470
03.0719.TKA	461	03.0774.CEA	462	03.1226.EQ	550	03.1252.EQA	552	03.2227.40A	79	03.2600.14	574
03.0720.14A	461	03.0774.TKA	462	03.1226.ER	550	03.1252.ERA	552	03.2228.14A	79	03.2600.29	574
03.0720.40A	461	03.0775.14A	462	03.1226.ES	550	03.1252.ESA	552	03.2228.40A	79	03.2600.30	574
03.0720.CEA	461	03.0775.40A	462	03.1230.DRA	553	03.1253.DRA	552	03.2230.14A	80	03.2600.TK	574
03.0720.TKA	461	03.0775.CEA	462	03.1230.DYA	553	03.1253.DYA	552	03.2230.40A	80	03.2600.WG	574
03.0721.14A	461	03.0775.TKA	462	03.1230.EQA	553	03.1253.EQA	552	03.2231.14A	80	03.2601.14	574
03.0721.40A	461	03.0800.14	464	03.1230.ERA	553	03.1253.ERA	552	03.2231.40A	80	03.2601.29	574
03.0721.CEA	461	03.0800.40	464	03.1230.ESA	553	03.1253.ESA	552	03.2232.14A	80	03.2601.30	574
03.0721.TKA	461	03.0801.14	464	03.1231.DRA	553	03.1255.DRA	552	03.2232.40A	80	03.2601.TK	574
03.0722.14A	461	03.0801.40	464	03.1231.DYA	553	03.1255.DYA	552	03.2233.14A	80	03.2601.WG	574
03.0722.40A	461	03.0802.14	464	03.1231.EQA	553	03.1255.EQA	552	03.2233.40A	80	03.2603.14	574
03.0722.CEA	461	03.0802.40	464	03.1231.ERA	553	03.1255.ERA	552	03.2235.14A	80	03.2603.29	574
03.0722.TKA	461	03.0803.14	464	03.1231.ESA	553	03.1255.ESA	552	03.2235.40A	80	03.2603.30	574
03.0723.14A	461	03.0803.40	464	03.1232.DRA	553	03.1256.DRA	552	03.2236.14A	80	03.2603.TK	574
03.0723.40A	461	03.0804.14	464	03.1232.DYA	553	03.1256.DYA	552	03.2236.40A	80	03.2603.WG	574
03.0723.CEA	461	03.0804.40	464	03.1232.EQA	553	03.1256.EQA	552	03.2237.14A	80	03.2630.14A	572

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03.2630.29A	572	03.3538.30	448	03.4172.B1.LE	377	03.4187.CU	322	03.4200.B1.LE	381	03.4236.CU	326
03.2630.30A	572	03.3539.02	448	03.4172.BU	376	03.4187.GL	322	03.4200.BU	380	03.4236.GL	326
03.2630.TKA	572	03.3539.14	448	03.4172.BU.LE	377	03.4188.74	327	03.4200.BU.LE	381	03.4237.74	326
03.2630.WGA	572	03.3539.30	448	03.4172.CU	376	03.4188.74.LE	328	03.4200.CU	380	03.4237.B1	326
03.2631.14A	572	03.3902.30C	288	03.4172.CU.LE	377	03.4188.B1	327	03.4200.CU.LE	381	03.4237.BU	326
03.2631.29A	572	03.3903.30C	288	03.4172.GL	376	03.4188.B1.LE	328	03.4200.GL	380	03.4237.CU	326
03.2631.30A	572	03.3904.30C	288	03.4172.GL.LE	377	03.4188.BU	327	03.4200.GL.LE	381	03.4237.GL	326
03.2631.TKA	572	03.3922.30C	288	03.4176.74	365	03.4188.BU.LE	328	03.4201.74	380	03.4242.74	331
03.2631.WGA	572	03.3923.30C	288	03.4176.74.LE	366	03.4188.CU	327	03.4201.B1	380	03.4242.B1	331
03.2632.14A	572	03.3924.30C	288	03.4176.B1	365	03.4188.CU.LE	328	03.4201.BU	380	03.4242.BU	331
03.2632.29A	572	03.3960.29B	166	03.4176.B1.LE	366	03.4188.GL	327	03.4201.CU	380	03.4242.CU	331
03.2632.30A	572	03.3960.ANB	166	03.4176.BU	365	03.4188.GL.LE	328	03.4201.GL	380	03.4242.GL	331
03.2632.TKA	572	03.3962.29B	166	03.4176.BU.LE	366	03.4189.74	327	03.4208.74	371	03.4243.74	331
03.2632.WGA	572	03.3962.ANB	166	03.4176.CU	365	03.4189.B1	327	03.4208.B1	371	03.4243.B1	331
03.2635.14A	572	03.3963.29B	166	03.4176.CU.LE	366	03.4189.BU	327	03.4208.BU	371	03.4243.BU	331
03.2635.29A	572	03.3963.ANB	166	03.4176.GL	365	03.4189.CU	327	03.4208.CU	371	03.4243.CU	331
03.2635.30A	572	03.3970.02A	167	03.4176.GL.LE	366	03.4189.GL	327	03.4208.GL	371	03.4243.GL	331
03.2635.TKA	572	03.3970.14A	167	03.4177.74	365	03.4190.74	329	03.4209.74	371	03.4244.74	331
03.2635.WGA	572	03.3970.30A	167	03.4177.B1	365	03.4190.74.LE	330	03.4209.B1	371	03.4244.B1	331
03.2636.14A	572	03.3971.02A	167	03.4177.BU	365	03.4190.B1	329	03.4209.BU	371	03.4244.BU	331
03.2636.29A	572	03.3971.14A	167	03.4177.CU	365	03.4190.B1.LE	330	03.4209.CU	371	03.4244.CU	331
03.2636.30A	572	03.3971.30A	167	03.4177.GL	365	03.4190.BU	329	03.4209.GL	371	03.4244.GL	331
03.2636.TKA	572	03.3972.02A	167	03.4178.74	369	03.4190.BU.LE	330	03.4210.74	371	03.4245.74	331
03.2636.WGA	572	03.3972.14A	167	03.4178.74.LE	370	03.4190.CU	329	03.4210.B1	371	03.4245.B1	331
03.2637.14A	572	03.3972.30A	167	03.4178.B1	369	03.4190.CU.LE	330	03.4210.BU	371	03.4245.BU	331
03.2637.29A	572	03.3975.02A	167	03.4178.B1.LE	370	03.4190.GL	329	03.4210.CU	371	03.4245.CU	331
03.2637.30A	572	03.3975.14A	167	03.4178.BU	369	03.4190.GL.LE	330	03.4210.GL	371	03.4245.GL	331
03.2637.TKA	572	03.3975.30A	167	03.4178.BU.LE	370	03.4191.74	329	03.4211.74	371	03.4287.74	359
03.2637.WGA	572	03.3976.02A	167	03.4178.CU	369	03.4191.B1	329	03.4211.B1	371	03.4287.74.LE	360
03.2640.14A	573	03.3976.14A	167	03.4178.CU.LE	370	03.4191.BU	329	03.4211.BU	371	03.4287.B1	359
03.2640.29A	573	03.3976.30A	167	03.4178.GL	369	03.4191.CU	329	03.4211.CU	371	03.4287.B1.LE	360
03.2640.30A	573	03.3977.02A	167	03.4178.GL.LE	370	03.4191.GL	329	03.4211.GL	371	03.4287.BU	359
03.2640.TKA	573	03.3977.14A	167	03.4179.74	369	03.4192.74	361	03.4212.74	384	03.4287.BU.LE	360
03.2640.WGA	573	03.3977.30A	167	03.4179.B1	369	03.4192.74.LE	362	03.4212.B1	384	03.4287.CU	359
03.2641.14A	573	03.4060.29	166	03.4179.BU	369	03.4192.B1	361	03.4212.BU	384	03.4287.CU.LE	360
03.2641.29A	573	03.4060.29.1Y	166	03.4179.CU	369	03.4192.B1.LE	362	03.4212.CU	384	03.4287.GL	359
03.2641.30A	573	03.4061.29	166	03.4179.GL	369	03.4192.BU	361	03.4212.GL	384	03.4287.GL.LE	360
03.2641.TKA	573	03.4061.29.1Y	166	03.4180.74	303	03.4192.BU.LE	362	03.4213.74	384	03.4288.74	359
03.2641.WGA	573	03.4062.29	166	03.4180.74.LE	304	03.4192.CU	361	03.4213.B1	384	03.4288.B1	359
03.2642.14A	573	03.4062.29.1Y	166	03.4180.B1	303	03.4192.CU.LE	362	03.4213.BU	384	03.4288.BU	359
03.2642.29A	573	03.4063.29	166	03.4180.B1.LE	304	03.4192.GL	361	03.4213.CU	384	03.4288.CU	359
03.2642.30A	573	03.4063.29.1Y	166	03.4180.BU	303	03.4192.GL.LE	362	03.4213.GL	384	03.4288.GL	359
03.2642.TKA	573	03.4064.29	166	03.4180.BU.LE	304	03.4193.74	361	03.4218.74	389	03.4293.74	378
03.2642.WGA	573	03.4064.29.1Y	166	03.4180.CU	303	03.4193.B1	361	03.4218.B1	389	03.4293.74.LE	379
03.2645.14A	573	03.4065.29	166	03.4180.CU.LE	304	03.4193.BU	361	03.4218.BU	389	03.4293.B1	378
03.2645.29A	573	03.4065.29.1Y	166	03.4180.GL	303	03.4193.CU	361	03.4218.CU	389	03.4293.B1.LE	379
03.2645.30A	573	03.4065.29.5Y	166	03.4180.GL.LE	304	03.4193.GL	361	03.4218.GL	389	03.4293.BU	378
03.2645.TKA	573	03.4153.74	372	03.4181.74	303	03.4194.74	367	03.4219.74	389	03.4293.BU.LE	379
03.2645.WGA	573	03.4153.B1	372	03.4181.B1	303	03.4194.74.LE	368	03.4219.B1	389	03.4293.CU	378
03.2646.14A	573	03.4153.BU	372	03.4181.BU	303	03.4194.B1	367	03.4219.BU	389	03.4293.CU.LE	379
03.2646.29A	573	03.4153.CU	372	03.4181.CU	303	03.4194.B1.LE	368	03.4219.CU	389	03.4293.GL	378
03.2646.30A	573	03.4153.GL	372	03.4181.GL	303	03.4194.BU	367	03.4219.GL	389	03.4293.GL.LE	379
03.2646.TKA	573	03.4155.74	374	03.4182.74	309	03.4194.BU.LE	368	03.4220.74	389	03.4294.74	378
03.2646.WGA	573	03.4155.B1	374	03.4182.74.LE	310	03.4194.CU	367	03.4220.B1	389	03.4294.B1	378
03.2647.14A	573	03.4155.BU	374	03.4182.B1	309	03.4194.CU.LE	368	03.4220.BU	389	03.4294.BU	378
03.2647.29A	573	03.4155.CU	374	03.4182.B1.LE	310	03.4194.GL	367	03.4220.CU	389	03.4294.CU	378
03.2647.30A	573	03.4155.GL	374	03.4182.BU	309	03.4194.GL.LE	368	03.4220.GL	389	03.4294.GL	378
03.2647.TKA	573	03.4157.74	376	03.4182.BU.LE	310	03.4195.74	367	03.4221.74	389	03.4295.74	382
03.2647.WGA	573	03.4157.B1	376	03.4182.CU	309	03.4195.B1	367	03.4221.B1	389	03.4295.74.LE	383
03.2650.14	470	03.4157.BU	376	03.4182.CU.LE	310	03.4195.BU	367	03.4221.BU	389	03.4295.B1	382
03.2650.30	470	03.4157.CU	376	03.4182.GL	309	03.4195.CU	367	03.4221.CU	389	03.4295.B1.LE	383
03.2651.14	470	03.4157.GL	376	03.4182.GL.LE	310	03.4195.GL	367	03.4221.GL	389	03.4295.BU	382
03.2651.30	470	03.4160.74	384	03.4183.74	309	03.4196.74	385	03.4226.74	313	03.4295.BU.LE	383
03.2675.14A	469	03.4160.B1	384	03.4183.B1	309	03.4196.74.LE	386	03.4226.B1	313	03.4295.CU	382
03.2675.30A	469	03.4160.BU	384	03.4183.BU	309	03.4196.B1	385	03.4226.BU	313	03.4295.CU.LE	383
03.2676.14A	469	03.4160.CU	384	03.4183.CU	309	03.4196.B1.LE	386	03.4226.CU	313	03.4295.GL	382
03.2676.30A	469	03.4160.GL	384	03.4183.GL	309	03.4196.BU	385	03.4226.GL	313	03.4295.GL.LE	383
03.2677.14A	469	03.4162.74	384	03.4184.74	316	03.4196.BU.LE	386	03.4227.74	313	03.4296.74	382
03.2677.30A	469	03.4162.B1	384	03.4184.74.LE	317	03.4196.CU	385	03.4227.B1	313	03.4296.B1	382
03.2680.14A	469	03.4162.BU	384	03.4184.B1	316	03.4196.CU.LE	386	03.4227.BU	313	03.4296.BU	382
03.2680.30A	469	03.4162.CU	384	03.4184.B1.LE	317	03.4196.GL	385	03.4227.CU	313	03.4296.CU	382
03.2681.14A	469	03.4162.GL	384	03.4184.BU	316	03.4196.GL.LE	386	03.4227.GL	313	03.4296.GL	382
03.2681.30A	469	03.4170.74	372	03.4184.BU.LE	317	03.4197.74	385	03.4228.74	313	03.4297.74	363
03.2682.14A	469	03.4170.74.LE	373	03.4184.CU	316	03.4197.B1	385	03.4228.B1	313	03.4297.74.LE	364
03.2682.30A	469	03.4170.B1	372	03.4184.CU.LE	317	03.4197.BU	385	03.4228.BU	313	03.4297.B1	363
03.3502.02	450	03.4170.B1.LE	373	03.4184.GL	316	03.4197.CU	385	03.4228.CU	313	03.4297.B1.LE	364
03.3502.14	450	03.4170.BU	372	03.4184.GL.LE	317	03.4197.GL	385	03.4228.GL	313	03.4297.BU	363
03.3502.30	450	03.4170.BU.LE	373	03.4185.74	316	03.4198.74	387	03.4229.74	313	03.4297.BU.LE	364
03.3505.02	449	03.4170.CU	372	03.4185.B1	316	03.4198.74.LE	388	03.4229.B1	313	03.4297.CU	363
03.3505.14	449	03.4170.CU.LE	373	03.4185.BU	316	03.4198.B1	387	03.4229.BU	313	03.4297.CU.LE	364
03.3505.30	449	03.4170.GL	372	03.4185.CU	316	03.4198.B1.LE	388	03.4229.CU	313	03.4297.GL	363
03.3506.02	448	03.4170.GL.LE	373	03.4185.GL	316	03.4198.BU	387	03.4229.GL	313	03.4297.GL.LE	364
03.3506.14	448	03.4171.74	374	03.4186.74	322	03.4198.BU.LE	388	03.4234.74	326	03.4298.74	363
03.3506.30	448	03.4171.74.LE	375	03.4186.74.LE	323	03.4198.CU	387	03.4234.B1	326	03.4298.B1	363
03.3507.02	449	03.4171.B1	374	03.4186.B1	322	03.4198.CU.LE	388	03.4234.BU	326	03.4298.BU	363
03.3507.14	449	03.4171.B1.LE	375	03.4186.B1.LE	323	03.4198.GL	387	03.4234.CU	326	03.4298.CU	363
03.3507.30	449	03.4171.BU	374	03.4186.BU	322	03.4198.GL.LE	388	03.4234.GL	326	03.4298.GL	363
03.3508.02	449	03.4171.BU.LE	375	03.4186.BU.LE	323	03.4199.74	387	03.4235.74	326	03.4420.74C	347
03.3508.14	449	03.4171.CU	374	03.4186.CU	322	03.4199.B1	387	03.4235.B1	326	03.4420.74C1V	347
03.3508.30	449	03.4171.CU.LE	375	03.4186.CU.LE	323	03.4199.BU	387	03.4235.BU	326	03.4420.74CDA	347
03.3520.02	450	03.4171.GL	374	03.4186.GL	322	03.4199.CU	387	03.4235.CU	326	03.4420.B1C	347
03.3520.14	450	03.4171.GL.LE	375	03.4186.GL.LE	323	03.4199.GL	387	03.4235.GL	326	03.4420.B1C1V	347
03.3520.30	450	03.4172.74	376	03.4187.74	322	03.4200.74	380	03.4236.74	326	03.4420.B1CDA	347
03.3538.02	448	03.4172.74.LE	377	03.4187.B1	322	03.4200.74.LE	381	03.4236.B1	326	03.4420.BUC	347
03.3538.14	448	03.4172.B1	376	03.4187.BU	322	03.4200.B1	380	03.4236.BU	326	03.4420.BUC1V	347

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03.4420.BUCDA	347	03.4523.ANB	568	03.4542.B1	320	03.4585.74.DA	348	03.4981.06.DA	416	03.4999.GL	417
03.4420.CUC	347	03.4523.ASB	568	03.4542.B1.LE	321	03.4585.B1	348	03.4981.14	416	03.4999.GL.DA	417
03.4420.CUC1V	347	03.4523.B3B	568	03.4542.BU	320	03.4585.B1.1V	348	03.4981.14.DA	416	03.5730.11B	568
03.4420.CUCDA	347	03.4530.74	301	03.4542.BU.LE	321	03.4585.B1.DA	348	03.4981.GL	416	03.5730.ANB	568
03.4420.GLC	347	03.4530.74.LE	302	03.4542.CU	320	03.4585.BU	348	03.4981.GL.DA	416	03.5730.ASB	568
03.4420.GLC1V	347	03.4530.B1	301	03.4542.CU.LE	321	03.4585.BU.1V	348	03.4982.06A	416	03.5730.B3B	568
03.4420.GLCDA	347	03.4530.B1.LE	302	03.4542.GL	320	03.4585.BU.DA	348	03.4982.06ADA	416	03.5731.11B	568
03.4475.74C	351	03.4530.BU	301	03.4542.GL.LE	321	03.4585.CU	348	03.4982.14A	416	03.5731.ANB	568
03.4475.74C1V	351	03.4530.BU.LE	302	03.4543.74	320	03.4585.CU.1V	348	03.4982.14ADA	416	03.5731.ASB	568
03.4475.74CDA	351	03.4530.CU	301	03.4543.B1	320	03.4585.CU.DA	348	03.4982.GLA	416	03.5731.B3B	568
03.4475.B1C	351	03.4530.CU.LE	302	03.4543.BU	320	03.4585.GL	348	03.4982.GLADA	416	03.5732.11B	568
03.4475.B1C1V	351	03.4530.GL	301	03.4543.CU	320	03.4585.GL.1V	348	03.4983.06	416	03.5732.ANB	568
03.4475.B1CDA	351	03.4530.GL.LE	302	03.4543.GL	320	03.4585.GL.DA	348	03.4983.06.DA	416	03.5732.ASB	568
03.4475.BUC	351	03.4531.74	301	03.4544.74	324	03.4586.74	350	03.4983.14	416	03.5732.B3B	568
03.4475.BUC1V	351	03.4531.B1	301	03.4544.74.LE	325	03.4586.74.1V	350	03.4983.14.DA	416	03.5733.11B	568
03.4475.BUCDA	351	03.4531.BU	301	03.4544.B1	324	03.4586.74.DA	350	03.4983.GL	416	03.5733.ANB	568
03.4475.CUC	351	03.4531.CU	301	03.4544.B1.LE	325	03.4586.B1	350	03.4983.GL.DA	416	03.5733.ASB	568
03.4475.CUC1V	351	03.4531.GL	301	03.4544.BU	324	03.4586.B1.1V	350	03.4984.06A	417	03.5733.B3B	568
03.4475.CUCDA	351	03.4532.74	305	03.4544.BU.LE	325	03.4586.B1.DA	350	03.4984.06ADA	417	03.5810.11B	569
03.4475.GLC	351	03.4532.74.LE	306	03.4544.CU	324	03.4586.BU	350	03.4984.14A	417	03.5810.ANB	569
03.4475.GLC1V	351	03.4532.B1	305	03.4544.CU.LE	325	03.4586.BU.1V	350	03.4984.14ADA	417	03.5810.ASB	569
03.4475.GLCDA	351	03.4532.B1.LE	306	03.4544.GL	324	03.4586.BU.DA	350	03.4984.GLA	417	03.5810.B3B	569
03.4482.74C	349	03.4532.BU	305	03.4544.GL.LE	325	03.4586.CU	350	03.4984.GLADA	417	03.5811.11B	569
03.4482.74C1V	349	03.4532.BU.LE	306	03.4545.74	324	03.4586.CU.1V	350	03.4985.06	417	03.5811.ANB	569
03.4482.74CDA	349	03.4532.CU	305	03.4545.B1	324	03.4586.CU.DA	350	03.4985.06.DA	417	03.5811.ASB	569
03.4482.B1C	349	03.4532.CU.LE	306	03.4545.BU	324	03.4586.GL	350	03.4985.14	417	03.5811.B3B	569
03.4482.B1C1V	349	03.4532.GL	305	03.4545.CU	324	03.4586.GL.1V	350	03.4985.14.DA	417	03.5812.11B	569
03.4482.B1CDA	349	03.4532.GL.LE	306	03.4545.GL	324	03.4586.GL.DA	350	03.4985.GL	417	03.5812.ANB	569
03.4482.BUC	349	03.4533.74	305	03.4570.74C	332	03.4587.74	350	03.4985.GL.DA	417	03.5812.ASB	569
03.4482.BUC1V	349	03.4533.B1	305	03.4570.74C1V	332	03.4587.74.1V	350	03.4986.06A	417	03.5812.B3B	569
03.4482.BUCDA	349	03.4533.BU	305	03.4570.74CDA	332	03.4587.74.DA	350	03.4986.06ADA	417	03.5813.11B	569
03.4482.CUC	349	03.4533.CU	305	03.4570.B1C	332	03.4587.B1	350	03.4986.14A	417	03.5813.ANB	569
03.4482.CUC1V	349	03.4533.GL	305	03.4570.B1C1V	332	03.4587.B1.1V	350	03.4986.14ADA	417	03.5813.ASB	569
03.4482.CUCDA	349	03.4534.74	307	03.4570.B1CDA	332	03.4587.B1.DA	350	03.4986.GLA	417	03.5813.B3B	569
03.4482.GLC	349	03.4534.74.LE	308	03.4570.BUC	332	03.4587.BU	350	03.4986.GLADA	417	03.5900.14	563
03.4482.GLC1V	349	03.4534.B1	307	03.4570.BUC1V	332	03.4587.BU.1V	350	03.4987.06	417	03.5900.18	563
03.4482.GLCDA	349	03.4534.B1.LE	308	03.4570.BUCDA	332	03.4587.BU.DA	350	03.4987.06.DA	417	03.5900.B1	563
03.4496.74B	347	03.4534.BU	307	03.4570.CUC	332	03.4587.CU	350	03.4987.14	417	03.5901.14	563
03.4496.74B1V	347	03.4534.BU.LE	308	03.4570.CUC1V	332	03.4587.CU.1V	350	03.4987.14.DA	417	03.5901.18	563
03.4496.74BDA	347	03.4534.CU	307	03.4570.CUCDA	332	03.4587.CU.DA	350	03.4987.GL	417	03.5901.B1	563
03.4496.B1B	347	03.4534.CU.LE	308	03.4570.GLC	332	03.4587.GL	350	03.4987.GL.DA	417	03.5902.14	563
03.4496.B1B1V	347	03.4534.GL	307	03.4570.GLC1V	332	03.4587.GL.1V	350	03.4988.06A	418	03.5902.18	563
03.4496.B1BDA	347	03.4534.GL.LE	308	03.4570.GLCDA	332	03.4587.GL.DA	350	03.4988.06ADA	418	03.5902.B1	563
03.4496.BUB	347	03.4535.74	307	03.4572.74	337	03.4588.74	352	03.4989.06	418	03.5903.14	563
03.4496.BUB1V	347	03.4535.B1	307	03.4572.B1	337	03.4588.74.1V	352	03.4989.06.DA	418	03.5903.18	563
03.4496.BUBDA	347	03.4535.BU	307	03.4572.BU	337	03.4588.74.DA	352	03.4990.06A	418	03.5903.B1	563
03.4496.CUB	347	03.4535.CU	307	03.4572.CU	337	03.4588.B1	352	03.4990.06ADA	418	03.5904.14	563
03.4496.CUB1V	347	03.4535.GL	307	03.4572.GL	337	03.4588.B1.1V	352	03.4991.06	418	03.5904.18	563
03.4496.CUBDA	347	03.4536.74	311	03.4582.74	336	03.4588.B1.DA	352	03.4991.06.DA	418	03.5904.B1	563
03.4496.GLB	347	03.4536.74.LE	312	03.4582.74.1V	336	03.4588.BU	352	03.4992.06A	416	03.5905.14	563
03.4496.GLB1V	347	03.4536.B1	311	03.4582.74.DA	336	03.4588.BU.1V	352	03.4992.06ADA	416	03.5905.18	563
03.4496.GLBDA	347	03.4536.B1.LE	312	03.4582.B1	336	03.4588.BU.DA	352	03.4992.14A	416	03.5905.B1	563
03.4497.74B	349	03.4536.BU	311	03.4582.B1.1V	336	03.4588.CU	352	03.4992.14ADA	416	03.5906.14	563
03.4497.74B1V	349	03.4536.BU.LE	312	03.4582.B1.DA	336	03.4588.CU.1V	352	03.4992.GLA	416	03.5906.18	563
03.4497.74BDA	349	03.4536.CU	311	03.4582.BU	336	03.4588.CU.DA	352	03.4992.GLADA	416	03.5906.B1	563
03.4497.B1B	349	03.4536.CU.LE	312	03.4582.BU.1V	336	03.4588.GL	352	03.4993.06	416	03.5907.14	563
03.4497.B1B1V	349	03.4536.GL	311	03.4582.BU.DA	336	03.4588.GL.1V	352	03.4993.06.DA	416	03.5907.18	563
03.4497.B1BDA	349	03.4536.GL.LE	312	03.4582.CU	336	03.4588.GL.DA	352	03.4993.14	416	03.5907.B1	563
03.4497.BUB	349	03.4537.74	311	03.4582.CU.1V	336	03.4589.74	352	03.4993.14.DA	416	03.5910.14	566
03.4497.BUB1V	349	03.4537.B1	311	03.4582.CU.DA	336	03.4589.74.1V	352	03.4993.GL	416	03.5910.18	566
03.4497.BUBDA	349	03.4537.BU	311	03.4582.GL	336	03.4589.74.DA	352	03.4993.GL.DA	416	03.5910.B1	566
03.4497.CUB	349	03.4537.CU	311	03.4582.GL.1V	336	03.4589.B1	352	03.4994.06A	416	03.5911.14	566
03.4497.CUB1V	349	03.4537.GL	311	03.4582.GL.DA	336	03.4589.B1.1V	352	03.4994.06ADA	416	03.5911.18	566
03.4497.CUBDA	349	03.4538.74	314	03.4583.74	336	03.4589.B1.DA	352	03.4994.14A	416	03.5911.B1	566
03.4497.GLB	349	03.4538.74.LE	315	03.4583.74.1V	336	03.4589.BU	352	03.4994.14ADA	416	03.5912.14	566
03.4497.GLB1V	349	03.4538.B1	314	03.4583.74.DA	336	03.4589.BU.1V	352	03.4994.GLA	416	03.5912.18	566
03.4497.GLBDA	349	03.4538.B1.LE	315	03.4583.B1	336	03.4589.BU.DA	352	03.4994.GLADA	416	03.5912.B1	566
03.4498.74B	351	03.4538.BU	314	03.4583.B1.1V	336	03.4589.CU	352	03.4995.06	416	03.5913.14	566
03.4498.74B1V	351	03.4538.BU.LE	315	03.4583.B1.DA	336	03.4589.CU.1V	352	03.4995.06.DA	416	03.5913.18	566
03.4498.74BDA	351	03.4538.CU	314	03.4583.BU	336	03.4589.CU.DA	352	03.4995.14	416	03.5913.B1	566
03.4498.B1B	351	03.4538.CU.LE	315	03.4583.BU.1V	336	03.4589.GL	352	03.4995.14.DA	416	03.5914.14	566
03.4498.B1B1V	351	03.4538.GL	314	03.4583.BU.DA	336	03.4589.GL.1V	352	03.4995.GL	416	03.5914.18	566
03.4498.B1BDA	351	03.4538.GL.LE	315	03.4583.CU	336	03.4589.GL.DA	352	03.4995.GL.DA	416	03.5914.B1	566
03.4498.BUB	351	03.4539.74	314	03.4583.CU.1V	336	03.4595.74C	332	03.4996.06A	417	03.5915.14	566
03.4498.BUB1V	351	03.4539.B1	314	03.4583.CU.DA	336	03.4595.74C1V	332	03.4996.06ADA	417	03.5915.18	566
03.4498.BUBDA	351	03.4539.BU	314	03.4583.GL	336	03.4595.74CDA	332	03.4996.14A	417	03.5915.B1	566
03.4498.CUB	351	03.4539.CU	314	03.4583.GL.1V	336	03.4595.B1C	332	03.4996.14ADA	417	03.5916.14	566
03.4498.CUB1V	351	03.4539.GL	314	03.4583.GL.DA	336	03.4595.B1C1V	332	03.4996.GLA	417	03.5916.18	566
03.4498.CUBDA	351	03.4540.74	318	03.4584.74	348	03.4595.B1CDA	332	03.4996.GLADA	417	03.5916.B1	566
03.4498.GLB	351	03.4540.74.LE	319	03.4584.74.1V	348	03.4595.BUC	332	03.4997.06	417	03.5917.14	566
03.4498.GLB1V	351	03.4540.B1	318	03.4584.74.DA	348	03.4595.BUC1V	332	03.4997.06.DA	417	03.5917.18	566
03.4498.GLBDA	351	03.4540.B1.LE	319	03.4584.B1	348	03.4595.BUCDA	332	03.4997.14	417	03.5917.B1	566
03.4520.11B	568	03.4540.BU	318	03.4584.B1.1V	348	03.4595.CUC	332	03.4997.14.DA	417	03.5920.14	562
03.4520.ANB	568	03.4540.BU.LE	319	03.4584.B1.DA	348	03.4595.CUC1V	332	03.4997.GL	417	03.5920.18	562
03.4520.ASB	568	03.4540.CU	318	03.4584.BU	348	03.4595.CUCDA	332	03.4997.GL.DA	417	03.5920.B1	562
03.4520.B3B	568	03.4540.CU.LE	319	03.4584.BU.1V	348	03.4595.GLC	332	03.4998.06A	417	03.5921.14	562
03.4521.11B	568	03.4540.GL	318	03.4584.BU.DA	348	03.4595.GLC1V	332	03.4998.06ADA	417	03.5921.18	562
03.4521.ANB	568	03.4540.GL.LE	319	03.4584.CU	348	03.4595.GLCDA	332	03.4998.14A	417	03.5921.B1	562
03.4521.ASB	568	03.4541.74	318	03.4584.CU.1V	348	03.4980.06A	416	03.4998.14ADA	417	03.5922.14	562
03.4521.B3B	568	03.4541.B1	318	03.4584.CU.DA	348	03.4980.06ADA	416	03.4998.GLA	417	03.5922.18	562
03.4522.11B	568	03.4541.BU	318	03.4584.GL	348	03.4980.14A	416	03.4998.GLADA	417	03.5922.B1	562
03.4522.ANB	568	03.4541.CU	318	03.4584.GL.1V	348	03.4980.14ADA	416	03.4999.06	417	03.5923.14	562
03.4522.ASB	568	03.4541.GL	318	03.4584.GL.DA	348	03.4980.GLA	416	03.4999.06.DA	417	03.5923.18	562
03.4522.B3B	568	03.4542.74	320	03.4585.74	348	03.4980.GLADA	416	03.4999.14	417	03.5923.B1	562
03.4523.11B	568	03.4542.74.LE	321	03.4585.74.1V	348	03.4981.06	416	03.4999.14.DA	417	03.5924.14	562

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03.5924.18	562	03.6002.14	563	03.6021.B1.DA	562	03.6041.B1	564	03.6170.14	541	03.6298.14.CB	104
03.5924.B1	562	03.6002.14.DA	563	03.6022.14	562	03.6041.B1.DA	564	03.6170.30	541	03.6298.14.DA	104
03.5925.14	562	03.6002.18	563	03.6022.14.DA	562	03.6042.14	564	03.6170.GN	541	03.6302.14B	97
03.5925.18	562	03.6002.18.DA	563	03.6022.18	562	03.6042.14.DA	564	03.6174.05A	541	03.6302.14BCB	97
03.5925.B1	562	03.6002.B1	563	03.6022.18.DA	562	03.6042.18	564	03.6174.14A	541	03.6302.14CDA	97
03.5926.14	562	03.6002.B1.DA	563	03.6022.B1	562	03.6042.18.DA	564	03.6174.30A	541	03.6303.14B	97
03.5926.18	562	03.6003.14	563	03.6022.B1.DA	562	03.6042.B1	564	03.6174.GNA	541	03.6303.14BCB	97
03.5926.B1	562	03.6003.14.DA	563	03.6023.14	562	03.6042.B1.DA	564	03.6260.14.CB	105	03.6303.14CDA	97
03.5927.14	562	03.6003.18	563	03.6023.14.DA	562	03.6043.14	564	03.6260.14ADA	105	03.6305.14	98
03.5927.18	562	03.6003.18.DA	563	03.6023.18	562	03.6043.14.DA	564	03.6260.14B	105	03.6305.14.CB	98
03.5927.B1	562	03.6003.B1	563	03.6023.18.DA	562	03.6043.18	564	03.6261.14.CB	105	03.6305.14ADA	98
03.5930.14	565	03.6003.B1.DA	563	03.6023.B1	562	03.6043.18.DA	564	03.6261.14ADA	105	03.6306.14	98
03.5930.18	565	03.6004.14	563	03.6023.B1.DA	562	03.6043.B1	564	03.6261.14B	105	03.6306.14.CB	98
03.5930.B1	565	03.6004.14.DA	563	03.6024.14	562	03.6043.B1.DA	564	03.6262.14.CB	105	03.6306.14ADA	98
03.5931.14	565	03.6004.18	563	03.6024.14.DA	562	03.6044.14	564	03.6262.14ADA	105	03.6415.05B	453
03.5931.18	565	03.6004.18.DA	563	03.6024.18	562	03.6044.14.DA	564	03.6262.14B	105	03.6415.14B	453
03.5931.B1	565	03.6004.B1	563	03.6024.18.DA	562	03.6044.18	564	03.6263.14.CB	105	03.6415.40B	453
03.5932.14	565	03.6004.B1.DA	563	03.6024.B1	562	03.6044.18.DA	564	03.6263.14ADA	105	03.6416.05B	453
03.5932.18	565	03.6005.14	563	03.6024.B1.DA	562	03.6044.B1	564	03.6263.14B	105	03.6416.14B	453
03.5932.B1	565	03.6005.14.DA	563	03.6025.14	562	03.6044.B1.DA	564	03.6272.06D	106	03.6416.40B	453
03.5933.14	565	03.6005.18	563	03.6025.14.DA	562	03.6045.14	564	03.6272.06DCB	106	03.6417.05B	453
03.5933.18	565	03.6005.18.DA	563	03.6025.18	562	03.6045.14.DA	564	03.6272.06EDA	106	03.6417.14B	453
03.5933.B1	565	03.6005.B1	563	03.6025.18.DA	562	03.6045.18	564	03.6272.14D	106	03.6417.40B	453
03.5934.14	565	03.6005.B1.DA	563	03.6025.B1	562	03.6045.18.DA	564	03.6272.14DCB	106	03.6418.05B	453
03.5934.18	565	03.6006.14	563	03.6025.B1.DA	562	03.6045.B1	564	03.6272.14EDA	106	03.6418.14B	453
03.5934.B1	565	03.6006.14.DA	563	03.6026.14	562	03.6045.B1.DA	564	03.6272.30D	106	03.6418.40B	453
03.5935.14	565	03.6006.18	563	03.6026.14.DA	562	03.6046.14	564	03.6272.30DCB	106	03.6500.14A	409
03.5935.18	565	03.6006.18.DA	563	03.6026.18	562	03.6046.14.DA	564	03.6272.30EDA	106	03.6500.14ADA	409
03.5935.B1	565	03.6006.B1	563	03.6026.18.DA	562	03.6046.18	564	03.6273.06D	106	03.6500.40A	409
03.5936.14	565	03.6006.B1.DA	563	03.6026.B1	562	03.6046.18.DA	564	03.6273.06DCB	106	03.6500.40ADA	409
03.5936.18	565	03.6007.14	563	03.6026.B1.DA	562	03.6046.B1	564	03.6273.06EDA	106	03.6501.14A	409
03.5936.B1	565	03.6007.14.DA	563	03.6027.14	562	03.6046.B1.DA	564	03.6273.14D	106	03.6501.14ADA	409
03.5937.14	565	03.6007.18	563	03.6027.14.DA	562	03.6047.14	564	03.6273.14DCB	106	03.6501.40A	409
03.5937.18	565	03.6007.18.DA	563	03.6027.18	562	03.6047.14.DA	564	03.6273.14EDA	106	03.6501.40ADA	409
03.5937.B1	565	03.6007.B1	563	03.6027.18.DA	562	03.6047.18	564	03.6273.30D	106	03.6503.14A	409
03.5940.14	564	03.6007.B1.DA	563	03.6027.B1	562	03.6047.18.DA	564	03.6273.30DCB	106	03.6503.14ADA	409
03.5940.18	564	03.6010.14	566	03.6027.B1.DA	562	03.6047.B1	564	03.6273.30EDA	106	03.6503.40A	409
03.5940.B1	564	03.6010.14.DA	566	03.6030.14	565	03.6047.B1.DA	564	03.6274.14A	106	03.6503.40ADA	409
03.5941.14	564	03.6010.18	566	03.6030.14.DA	565	03.6050.14	567	03.6274.14ACB	106	03.6504.14A	409
03.5941.18	564	03.6010.18.DA	566	03.6030.18	565	03.6050.14.DA	567	03.6274.14ADA	106	03.6504.14ADA	409
03.5941.B1	564	03.6010.B1	566	03.6030.18.DA	565	03.6050.18	567	03.6274.40A	106	03.6504.40A	409
03.5942.14	564	03.6010.B1.DA	566	03.6030.B1	565	03.6050.18.DA	567	03.6274.40ACB	106	03.6504.40ADA	409
03.5942.18	564	03.6011.14	566	03.6030.B1.DA	565	03.6050.B1	567	03.6274.40ADA	106	03.6506.14A	408
03.5942.B1	564	03.6011.14.DA	566	03.6031.14	565	03.6050.B1.DA	567	03.6275.14A	106	03.6506.14ADA	408
03.5943.14	564	03.6011.18	566	03.6031.14.DA	565	03.6051.14	567	03.6275.14ACB	106	03.6506.40A	408
03.5943.18	564	03.6011.18.DA	566	03.6031.18	565	03.6051.14.DA	567	03.6275.14ADA	106	03.6506.40ADA	408
03.5943.B1	564	03.6011.B1	566	03.6031.18.DA	565	03.6051.18	567	03.6275.40A	106	03.6507.14A	408
03.5944.14	564	03.6011.B1.DA	566	03.6031.B1	565	03.6051.18.DA	567	03.6275.40ACB	106	03.6507.14ADA	408
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03.5944.B1	564	03.6012.14.DA	566	03.6032.14	565	03.6051.B1.DA	567	03.6277.14A	106	03.6507.40ADA	408
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03.5945.18	564	03.6012.18.DA	566	03.6032.18	565	03.6052.14.DA	567	03.6277.14ADA	106	03.6509.14ADA	408
03.5945.B1	564	03.6012.B1	566	03.6032.18.DA	565	03.6052.18	567	03.6277.40A	106	03.6509.40A	408
03.5946.14	564	03.6012.B1.DA	566	03.6032.B1	565	03.6052.18.DA	567	03.6277.40ACB	106	03.6509.40ADA	408
03.5946.18	564	03.6013.14	566	03.6032.B1.DA	565	03.6052.B1	567	03.6277.40ADA	106	03.6510.14A	408
03.5946.B1	564	03.6013.14.DA	566	03.6033.14	565	03.6052.B1.DA	567	03.6278.14A	106	03.6510.14ADA	408
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03.5947.18	564	03.6013.18.DA	566	03.6033.18	565	03.6053.14.DA	567	03.6278.14ADA	106	03.6510.40ADA	408
03.5947.B1	564	03.6013.B1	566	03.6033.18.DA	565	03.6053.18	567	03.6278.40A	106	03.6512.14A	410
03.5950.14	567	03.6013.B1.DA	566	03.6033.B1	565	03.6053.18.DA	567	03.6278.40ACB	106	03.6512.14ADA	410
03.5950.18	567	03.6014.14	566	03.6033.B1.DA	565	03.6053.B1	567	03.6278.40ADA	106	03.6512.40A	410
03.5950.B1	567	03.6014.14.DA	566	03.6034.14	565	03.6053.B1.DA	567	03.6284.14	99	03.6512.40ADA	410
03.5951.14	567	03.6014.18	566	03.6034.14.DA	565	03.6054.14	567	03.6284.14.CB	99	03.6514.14A	410
03.5951.18	567	03.6014.18.DA	566	03.6034.18	565	03.6054.14.DA	567	03.6284.14ADA	99	03.6514.14ADA	410
03.5951.B1	567	03.6014.B1	566	03.6034.18.DA	565	03.6054.18	567	03.6284.40	99	03.6514.40A	410
03.5952.14	567	03.6014.B1.DA	566	03.6034.B1	565	03.6054.18.DA	567	03.6284.40.CB	99	03.6514.40ADA	410
03.5952.18	567	03.6015.14	566	03.6034.B1.DA	565	03.6054.B1	567	03.6284.40ADA	99	03.6520.14A	409
03.5952.B1	567	03.6015.14.DA	566	03.6035.14	565	03.6054.B1.DA	567	03.6285.14	99	03.6520.14ADA	409
03.5953.14	567	03.6015.18	566	03.6035.14.DA	565	03.6055.14	567	03.6285.14.CB	99	03.6520.40A	409
03.5953.18	567	03.6015.18.DA	566	03.6035.18	565	03.6055.14.DA	567	03.6285.14ADA	99	03.6520.40ADA	409
03.5953.B1	567	03.6015.B1	566	03.6035.18.DA	565	03.6055.18	567	03.6285.40	99	03.6521.14A	409
03.5954.14	567	03.6015.B1.DA	566	03.6035.B1	565	03.6055.18.DA	567	03.6285.40.CB	99	03.6521.14ADA	409
03.5954.18	567	03.6016.14	566	03.6035.B1.DA	565	03.6055.B1	567	03.6285.40ADA	99	03.6521.40A	409
03.5954.B1	567	03.6016.14.DA	566	03.6036.14	565	03.6055.B1.DA	567	03.6286.14	99	03.6521.40ADA	409
03.5955.14	567	03.6016.18	566	03.6036.14.DA	565	03.6056.14	567	03.6286.14.CB	99	03.6523.14A	409
03.5955.18	567	03.6016.18.DA	566	03.6036.18	565	03.6056.14.DA	567	03.6286.14ADA	99	03.6523.14ADA	409
03.5955.B1	567	03.6016.B1	566	03.6036.18.DA	565	03.6056.18	567	03.6286.40	99	03.6523.40A	409
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03.5956.18	567	03.6017.14	566	03.6036.B1.DA	565	03.6056.B1	567	03.6286.40ADA	99	03.6524.14A	409
03.5956.B1	567	03.6017.14.DA	566	03.6037.14	565	03.6056.B1.DA	567	03.6287.14	99	03.6524.14ADA	409
03.5957.14	567	03.6017.18	566	03.6037.14.DA	565	03.6057.14	567	03.6287.14.CB	99	03.6524.40A	409
03.5957.18	567	03.6017.18.DA	566	03.6037.18	565	03.6057.14.DA	567	03.6287.14ADA	99	03.6524.40ADA	409
03.5957.B1	567	03.6017.B1	566	03.6037.18.DA	565	03.6057.18	567	03.6287.40	99	03.6526.14A	408
03.6000.14	563	03.6017.B1.DA	566	03.6037.B1	565	03.6057.18.DA	567	03.6287.40.CB	99	03.6526.14ADA	408
03.6000.14.DA	563	03.6020.14	562	03.6037.B1.DA	565	03.6057.B1	567	03.6287.40ADA	99	03.6526.40A	408
03.6000.18	563	03.6020.14.DA	562	03.6040.14	564	03.6057.B1.DA	567	03.6295.14	104	03.6526.40ADA	408
03.6000.18.DA	563	03.6020.18	562	03.6040.14.DA	564	03.6150.05	455	03.6295.14.CB	104	03.6527.14A	408
03.6000.B1	563	03.6020.18.DA	562	03.6040.18	564	03.6150.14	455	03.6295.14.DA	104	03.6527.14ADA	408
03.6000.B1.DA	563	03.6020.B1	562	03.6040.18.DA	564	03.6150.30	455	03.6296.14	104	03.6527.40A	408
03.6001.14	563	03.6020.B1.DA	562	03.6040.B1	564	03.6150.GN	455	03.6296.14.CB	104	03.6527.40ADA	408
03.6001.14.DA	563	03.6021.14	562	03.6040.B1.DA	564	03.6154.05A	455	03.6296.14.DA	104	03.6529.14A	408
03.6001.18	563	03.6021.14.DA	562	03.6041.14	564	03.6154.14A	455	03.6297.14	104	03.6529.14ADA	408
03.6001.18.DA	563	03.6021.18	562	03.6041.14.DA	564	03.6154.30A	455	03.6297.14.CB	104	03.6529.40A	408
03.6001.B1	563	03.6021.18.DA	562	03.6041.18	564	03.6154.GNA	455	03.6297.14.DA	104	03.6529.40ADA	408
03.6001.B1.DA	563	03.6021.B1	562	03.6041.18.DA	564	03.6170.05	541	03.6298.14	104	03.6530.14A	408

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03.6530.40A	408	03.6604.14.DA	432	03.6801.14A	436	03.6818.40ADA	435	03.7305.14ADA	229	03.7329.14ACB	241
03.6530.40ADA	408	03.6604.40	432	03.6801.14ADA	436	03.6819.14A	435	03.7305.14ANI	229	03.7329.14ADA	241
03.6532.14A	410	03.6604.40.DA	432	03.6801.40A	436	03.6819.14ADA	435	03.7305.40A	229	03.7329.14ANI	241
03.6532.14ADA	410	03.6605.14	432	03.6801.40ADA	436	03.6819.40A	435	03.7305.40ACB	229	03.7329.40A	241
03.6532.40A	410	03.6605.14.DA	432	03.6802.14A	436	03.6819.40ADA	435	03.7305.40ADA	229	03.7329.40ACB	241
03.6532.40ADA	410	03.6605.40	432	03.6802.14ADA	436	03.6820.14A	435	03.7305.40ANI	229	03.7329.40ADA	241
03.6534.14A	410	03.6605.40.DA	432	03.6802.40A	436	03.6820.14ADA	435	03.7308.14A	233	03.7329.40ANI	241
03.6534.14ADA	410	03.6606.14	432	03.6802.40ADA	436	03.6820.40A	435	03.7308.14ACB	233	03.7350.14A	245
03.6534.40A	410	03.6606.14.DA	432	03.6803.14A	435	03.6820.40ADA	435	03.7308.14ADA	233	03.7350.14ACB	245
03.6534.40ADA	410	03.6606.40	432	03.6803.14ADA	435	03.6821.14A	435	03.7308.14ANI	233	03.7350.14ADA	245
03.6560.14A	412	03.6606.40.DA	432	03.6803.40A	435	03.6821.14ADA	435	03.7308.40A	233	03.7350.14ANI	245
03.6560.14ADA	412	03.6607.14	432	03.6803.40ADA	435	03.6821.40A	435	03.7308.40ACB	233	03.7350.40A	245
03.6560.40A	412	03.6607.14.DA	432	03.6804.14A	435	03.6821.40ADA	435	03.7308.40ADA	233	03.7350.40ACB	245
03.6560.40ADA	412	03.6607.40	432	03.6804.14ADA	435	03.6822.14A	435	03.7308.40ANI	233	03.7350.40ADA	245
03.6561.14A	412	03.6607.40.DA	432	03.6804.40A	435	03.6822.14ADA	435	03.7309.14A	233	03.7350.40ANI	245
03.6561.14ADA	412	03.6608.14	432	03.6804.40ADA	435	03.6822.40A	435	03.7309.14ACB	233	03.7351.14A	245
03.6561.40A	412	03.6608.14.DA	432	03.6805.14A	435	03.6822.40ADA	435	03.7309.14ADA	233	03.7351.14ACB	245
03.6561.40ADA	412	03.6608.40	432	03.6805.14ADA	435	03.6823.14A	435	03.7309.14ANI	233	03.7351.14ADA	245
03.6562.14	412	03.6608.40.DA	432	03.6805.40A	435	03.6823.14ADA	435	03.7309.40A	233	03.7351.14ANI	245
03.6562.14.DA	412	03.6610.1B	431	03.6805.40ADA	435	03.6823.40A	435	03.7309.40ACB	233	03.7351.40A	245
03.6562.40	412	03.6610.1B.DA	431	03.6806.14A	435	03.6823.40ADA	435	03.7309.40ADA	233	03.7351.40ACB	245
03.6562.40.DA	412	03.6610.1C	431	03.6806.14ADA	435	03.6824.06A	434	03.7309.40ANI	233	03.7351.40ADA	245
03.6563.14	412	03.6610.1C.DA	431	03.6806.40A	435	03.6824.06ADA	434	03.7312.14A	233	03.7351.40ANI	245
03.6563.14.DA	412	03.6610.3B	431	03.6806.40ADA	435	03.6824.40A	434	03.7312.14ACB	233	03.7354.14A	245
03.6563.40	412	03.6610.3B.DA	431	03.6807.14A	435	03.6824.40ADA	434	03.7312.14ADA	233	03.7354.14ACB	245
03.6563.40.DA	412	03.6610.3C	431	03.6807.14ADA	435	03.6825.06A	434	03.7312.14ANI	233	03.7354.14ADA	245
03.6564.14A	411	03.6610.3C.DA	431	03.6807.40A	435	03.6825.06ADA	434	03.7312.40A	233	03.7354.14ANI	245
03.6564.14ADA	411	03.6611.1B	431	03.6807.40ADA	435	03.6825.40A	434	03.7312.40ACB	233	03.7354.40A	245
03.6564.40A	411	03.6611.1B.DA	431	03.6808.14A	435	03.6825.40ADA	434	03.7312.40ADA	233	03.7354.40ACB	245
03.6564.40ADA	411	03.6611.1C	431	03.6808.14ADA	435	03.6826.06A	434	03.7312.40ANI	233	03.7354.40ADA	245
03.6565.14A	411	03.6611.1C.DA	431	03.6808.40A	435	03.6826.06ADA	434	03.7313.14A	233	03.7354.40ANI	245
03.6565.14ADA	411	03.6611.3B	431	03.6808.40ADA	435	03.6826.40A	434	03.7313.14ACB	233	03.7355.14A	245
03.6565.40A	411	03.6611.3B.DA	431	03.6809.1BA	434	03.6826.40ADA	434	03.7313.14ADA	233	03.7355.14ACB	245
03.6565.40ADA	411	03.6611.3C	431	03.6809.1BADA	434	03.6827.06A	437	03.7313.14ANI	233	03.7355.14ADA	245
03.6566.14	411	03.6611.3C.DA	431	03.6809.1CA	434	03.6827.06ADA	437	03.7313.40A	233	03.7355.14ANI	245
03.6566.14.DA	411	03.6613.1B	433	03.6809.1CADA	434	03.6827.40A	437	03.7313.40ACB	233	03.7355.40A	245
03.6566.40	411	03.6613.1B.DA	433	03.6809.3BA	434	03.6827.40ADA	437	03.7313.40ADA	233	03.7355.40ACB	245
03.6566.40.DA	411	03.6613.1C	433	03.6809.3BADA	434	03.6828.06A	437	03.7313.40ANI	233	03.7355.40ADA	245
03.6567.14	411	03.6613.1C.DA	433	03.6809.3CA	434	03.6828.06ADA	437	03.7316.14A	237	03.7355.40ANI	245
03.6567.14.DA	411	03.6613.3B	433	03.6809.3CADA	434	03.6828.40A	437	03.7316.14ACB	237	03.7358.14A	249
03.6567.40	411	03.6613.3B.DA	433	03.6810.1BA	434	03.6828.40ADA	437	03.7316.14ADA	237	03.7358.14ACB	249
03.6567.40.DA	411	03.6613.3C	433	03.6810.1BADA	434	03.6829.06A	437	03.7316.14ANI	237	03.7358.14ADA	249
03.6568.14A	413	03.6613.3C.DA	433	03.6810.1CA	434	03.6829.06ADA	437	03.7316.40A	237	03.7358.14ANI	249
03.6568.14ADA	413	03.6614.1B	433	03.6810.1CADA	434	03.6829.40A	437	03.7316.40ACB	237	03.7358.40A	249
03.6568.40A	413	03.6614.1B.DA	433	03.6810.3BA	434	03.6829.40ADA	437	03.7316.40ADA	237	03.7358.40ACB	249
03.6568.40ADA	413	03.6614.1C	433	03.6810.3BADA	434	03.7000.14	96	03.7316.40ANI	237	03.7358.40ADA	249
03.6569.14	413	03.6614.1C.DA	433	03.6810.3CA	434	03.7000.14.CB	96	03.7317.14A	237	03.7358.40ANI	249
03.6569.14.DA	413	03.6614.3B	433	03.6810.3CADA	434	03.7000.14ADA	96	03.7317.14ACB	237	03.7359.14A	249
03.6569.40	413	03.6614.3B.DA	433	03.6811.1BA	434	03.7001.14	96	03.7317.14ADA	237	03.7359.14ACB	249
03.6569.40.DA	413	03.6614.3C	433	03.6811.1BADA	434	03.7001.14.CB	96	03.7317.14ANI	237	03.7359.14ADA	249
03.6570.14A	412	03.6614.3C.DA	433	03.6811.1CA	434	03.7001.14ADA	96	03.7317.40A	237	03.7359.14ANI	249
03.6570.14ADA	412	03.6618.14	432	03.6811.1CADA	434	03.7002.14	96	03.7317.40ACB	237	03.7359.40A	249
03.6570.40A	412	03.6618.14.DA	432	03.6811.3BA	434	03.7002.14.CB	96	03.7317.40ADA	237	03.7359.40ACB	249
03.6570.40ADA	412	03.6618.40	432	03.6811.3BADA	434	03.7002.14ADA	96	03.7317.40ANI	237	03.7359.40ADA	249
03.6571.14A	412	03.6618.40.DA	432	03.6811.3CA	434	03.7003.14	96	03.7320.14A	237	03.7359.40ANI	249
03.6571.14ADA	412	03.6619.14	432	03.6811.3CADA	434	03.7003.14.CB	96	03.7320.14ACB	237	03.7362.14A	249
03.6571.40A	412	03.6619.14.DA	432	03.6812.1BA	437	03.7003.14ADA	96	03.7320.14ADA	237	03.7362.14ACB	249
03.6571.40ADA	412	03.6619.40	432	03.6812.1BADA	437	03.7004.14	96	03.7320.14ANI	237	03.7362.14ADA	249
03.6572.14	412	03.6619.40.DA	432	03.6812.1CA	437	03.7004.14.CB	96	03.7320.40A	237	03.7362.14ANI	249
03.6572.14.DA	412	03.6620.14	432	03.6812.1CADA	437	03.7004.14ADA	96	03.7320.40ACB	237	03.7362.40A	249
03.6572.40	412	03.6620.14.DA	432	03.6812.3BA	437	03.7005.14	96	03.7320.40ADA	237	03.7362.40ACB	249
03.6572.40.DA	412	03.6620.40	432	03.6812.3BADA	437	03.7005.14.CB	96	03.7320.40ANI	237	03.7362.40ADA	249
03.6573.14	412	03.6620.40.DA	432	03.6812.3CA	437	03.7005.14ADA	96	03.7321.14A	237	03.7362.40ANI	249
03.6573.14.DA	412	03.6621.14	432	03.6812.3CADA	437	03.7006.14	96	03.7321.14ACB	237	03.7363.14A	249
03.6573.40	412	03.6621.14.DA	432	03.6813.1BA	437	03.7006.14.CB	96	03.7321.14ADA	237	03.7363.14ACB	249
03.6573.40.DA	412	03.6621.40	432	03.6813.1BADA	437	03.7006.14ADA	96	03.7321.14ANI	237	03.7363.14ADA	249
03.6574.14A	411	03.6621.40.DA	432	03.6813.1CA	437	03.7007.14	96	03.7321.40A	237	03.7363.14ANI	249
03.6574.14ADA	411	03.6622.14	432	03.6813.1CADA	437	03.7007.14.CB	96	03.7321.40ACB	237	03.7363.40A	249
03.6574.40A	411	03.6622.14.DA	432	03.6813.3BA	437	03.7007.14ADA	96	03.7321.40ADA	237	03.7363.40ACB	249
03.6574.40ADA	411	03.6622.40	432	03.6813.3BADA	437	03.7300.14A	229	03.7321.40ANI	237	03.7363.40ADA	249
03.6575.14A	411	03.6622.40.DA	432	03.6813.3CA	437	03.7300.14ACB	229	03.7324.14A	241	03.7363.40ANI	249
03.6575.14ADA	411	03.6623.14	432	03.6813.3CADA	437	03.7300.14ADA	229	03.7324.14ACB	241	03.7366.14A	253
03.6575.40A	411	03.6623.14.DA	432	03.6814.1BA	437	03.7300.14ANI	229	03.7324.14ADA	241	03.7366.14ACB	253
03.6575.40ADA	411	03.6623.40	432	03.6814.1BADA	437	03.7300.40A	229	03.7324.14ANI	241	03.7366.14ADA	253
03.6576.14	411	03.6623.40.DA	432	03.6814.1CA	437	03.7300.40ACB	229	03.7324.40A	241	03.7366.14ANI	253
03.6576.14.DA	411	03.6625.06	431	03.6814.1CADA	437	03.7300.40ADA	229	03.7324.40ACB	241	03.7366.40A	253
03.6576.40	411	03.6625.06.DA	431	03.6814.3BA	437	03.7300.40ANI	229	03.7324.40ADA	241	03.7366.40ACB	253
03.6576.40.DA	411	03.6625.40	431	03.6814.3BADA	437	03.7301.14A	229	03.7324.40ANI	241	03.7366.40ADA	253
03.6577.14	411	03.6625.40.DA	431	03.6814.3CA	437	03.7301.14ACB	229	03.7325.14A	241	03.7366.40ANI	253
03.6577.14.DA	411	03.6626.06	431	03.6814.3CADA	437	03.7301.14ADA	229	03.7325.14ACB	241	03.7367.14A	253
03.6577.40	411	03.6626.06.DA	431	03.6815.14A	436	03.7301.14ANI	229	03.7325.14ADA	241	03.7367.14ACB	253
03.6577.40.DA	411	03.6626.40	431	03.6815.14ADA	436	03.7301.40A	229	03.7325.14ANI	241	03.7367.14ADA	253
03.6578.14A	413	03.6626.40.DA	431	03.6815.40A	436	03.7301.40ACB	229	03.7325.40A	241	03.7367.14ANI	253
03.6578.14ADA	413	03.6628.06	433	03.6815.40ADA	436	03.7301.40ADA	229	03.7325.40ACB	241	03.7367.40A	253
03.6578.40A	413	03.6628.06.DA	433	03.6816.14A	436	03.7301.40ANI	229	03.7325.40ADA	241	03.7367.40ACB	253
03.6578.40ADA	413	03.6628.40	433	03.6816.14ADA	436	03.7304.14A	229	03.7325.40ANI	241	03.7367.40ADA	253
03.6579.14	413	03.6628.40.DA	433	03.6816.40A	436	03.7304.14ACB	229	03.7328.14A	241	03.7367.40ANI	253
03.6579.14.DA	413	03.6629.06	433	03.6816.40ADA	436	03.7304.14ADA	229	03.7328.14ACB	241	03.7370.14A	253
03.6579.40	413	03.6629.06.DA	433	03.6817.14A	436	03.7304.14ANI	229	03.7328.14ADA	241	03.7370.14ACB	253
03.6579.40.DA	413	03.6629.40	433	03.6817.14ADA	436	03.7304.40A	229	03.7328.14ANI	241	03.7370.14ADA	253
03.6603.14	432	03.6629.40.DA	433	03.6817.40A	436	03.7304.40ACB	229	03.7328.40A	241	03.7370.14ANI	253
03.6603.14.DA	432	03.6800.14A	436	03.6817.40ADA	436	03.7304.40ADA	229	03.7328.40ACB	241	03.7370.40A	253
03.6603.40	432	03.6800.14ADA	436	03.6818.14A	435	03.7304.40ANI	229	03.7328.40ADA	241	03.7370.40ACB	253
03.6603.40.DA	432	03.6800.40A	436	03.6818.14ADA	435	03.7305.14A	229	03.7328.40ANI	241	03.7370.40ADA	253

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03.7370.40ANI	253	03.8026.05.CB	127	03.8042.14ACB	123	03.8052.14ACB	24	03.8072.14.1V	126	03.8076.14.1V	26
03.7371.14A	253	03.8026.05ADA	127	03.8042.14ADA	23	03.8052.14ACB	124	03.8072.14.CB	26	03.8076.14.1V	126
03.7371.14ACB	253	03.8026.14	127	03.8042.14ADA	123	03.8052.14ADA	24	03.8072.14.CB	126	03.8076.14.CB	26
03.7371.14ADA	253	03.8026.14.1V	127	03.8042.40A	23	03.8052.14ADA	124	03.8072.14.DA	26	03.8076.14.CB	126
03.7371.14ANI	253	03.8026.14.CB	127	03.8042.40A	123	03.8052.40A	24	03.8072.14ADA	126	03.8076.14.DA	26
03.7371.40A	253	03.8026.14ADA	127	03.8042.40A1V	23	03.8052.40A	124	03.8072.40	26	03.8076.14ADA	126
03.7371.40ACB	253	03.8026.40	127	03.8042.40A1V	123	03.8052.40A1V	24	03.8072.40	126	03.8076.40	26
03.7371.40ADA	253	03.8026.40.1V	127	03.8042.40ACB	23	03.8052.40A1V	124	03.8072.40.1V	26	03.8076.40	126
03.7371.40ANI	253	03.8026.40.CB	127	03.8042.40ACB	123	03.8052.40ACB	24	03.8072.40.1V	126	03.8076.40.1V	26
03.7374.14A	257	03.8026.40ADA	127	03.8042.40ADA	23	03.8052.40ACB	124	03.8072.40.CB	26	03.8076.40.1V	126
03.7374.14ACB	257	03.8027.05	127	03.8042.40ADA	123	03.8052.40ADA	24	03.8072.40.CB	126	03.8076.40.CB	26
03.7374.14ADA	257	03.8027.05.1V	127	03.8043.05A	23	03.8052.40ADA	124	03.8072.40.DA	26	03.8076.40.CB	126
03.7374.14ANI	257	03.8027.05.CB	127	03.8043.05A	123	03.8053.05A	24	03.8072.40ADA	126	03.8076.40.DA	26
03.7374.40A	257	03.8027.05ADA	127	03.8043.05A1V	23	03.8053.05A	124	03.8073.05	26	03.8076.40ADA	126
03.7374.40ACB	257	03.8027.14	127	03.8043.05A1V	123	03.8053.05A1V	24	03.8073.05	126	03.8077.05	26
03.7374.40ADA	257	03.8027.14.1V	127	03.8043.05ACB	23	03.8053.05A1V	124	03.8073.05.1V	26	03.8077.05	126
03.7374.40ANI	257	03.8027.14.CB	127	03.8043.05ACB	123	03.8053.05ACB	24	03.8073.05.1V	126	03.8077.05.1V	26
03.7375.14A	257	03.8027.14ADA	127	03.8043.05ADA	23	03.8053.05ACB	124	03.8073.05.CB	26	03.8077.05.1V	126
03.7375.14ACB	257	03.8027.40	127	03.8043.05ADA	123	03.8053.05ADA	24	03.8073.05.CB	126	03.8077.05.CB	26
03.7375.14ADA	257	03.8027.40.1V	127	03.8043.14A	23	03.8053.05ADA	124	03.8073.05.DA	26	03.8077.05.CB	126
03.7375.14ANI	257	03.8027.40.CB	127	03.8043.14A	123	03.8053.14A	24	03.8073.05ADA	126	03.8077.05.DA	26
03.7375.40A	257	03.8027.40ADA	127	03.8043.14A1V	23	03.8053.14A	124	03.8073.14	26	03.8077.05ADA	126
03.7375.40ACB	257	03.8028.05	127	03.8043.14A1V	123	03.8053.14A1V	24	03.8073.14	126	03.8077.14	26
03.7375.40ADA	257	03.8028.05.1V	127	03.8043.14ACB	23	03.8053.14A1V	124	03.8073.14.1V	26	03.8077.14	126
03.7375.40ANI	257	03.8028.05.CB	127	03.8043.14ACB	123	03.8053.14ACB	24	03.8073.14.1V	126	03.8077.14.1V	26
03.7378.14A	257	03.8028.05ADA	127	03.8043.14ADA	23	03.8053.14ACB	124	03.8073.14.CB	26	03.8077.14.1V	126
03.7378.14ACB	257	03.8028.14	127	03.8043.14ADA	123	03.8053.14ADA	24	03.8073.14.CB	126	03.8077.14.CB	26
03.7378.14ADA	257	03.8028.14.1V	127	03.8043.40A	23	03.8053.14ADA	124	03.8073.14.DA	26	03.8077.14.CB	126
03.7378.14ANI	257	03.8028.14.CB	127	03.8043.40A	123	03.8053.40A	24	03.8073.14ADA	126	03.8077.14.DA	26
03.7378.40A	257	03.8028.14ADA	127	03.8043.40A1V	23	03.8053.40A	124	03.8073.40	26	03.8077.14ADA	126
03.7378.40ACB	257	03.8028.40	127	03.8043.40A1V	123	03.8053.40A1V	24	03.8073.40	126	03.8077.40	26
03.7378.40ADA	257	03.8028.40.1V	127	03.8043.40ACB	23	03.8053.40A1V	124	03.8073.40.1V	26	03.8077.40	126
03.7378.40ANI	257	03.8028.40.CB	127	03.8043.40ACB	123	03.8053.40ACB	24	03.8073.40.1V	126	03.8077.40.1V	26
03.7379.14A	257	03.8028.40ADA	127	03.8043.40ADA	23	03.8053.40ACB	124	03.8073.40.CB	26	03.8077.40.1V	126
03.7379.14ACB	257	03.8032.05A	22	03.8043.40ADA	123	03.8053.40ADA	24	03.8073.40.CB	126	03.8077.40.CB	26
03.7379.14ADA	257	03.8032.05A	122	03.8044.05A	23	03.8053.40ADA	124	03.8073.40.DA	26	03.8077.40.CB	126
03.7379.14ANI	257	03.8032.05A1V	22	03.8044.05A	123	03.8054.05A	24	03.8073.40ADA	126	03.8077.40.DA	26
03.7379.40A	257	03.8032.05A1V	122	03.8044.05A1V	23	03.8054.05A	124	03.8074.05	26	03.8077.40ADA	126
03.7379.40ACB	257	03.8032.05ACB	22	03.8044.05A1V	123	03.8054.05A1V	24	03.8074.05	126	03.8090.14	128
03.7379.40ADA	257	03.8032.05ACB	122	03.8044.05ACB	23	03.8054.05A1V	124	03.8074.05.1V	26	03.8090.14.1V	128
03.7379.40ANI	257	03.8032.05ADA	22	03.8044.05ACB	123	03.8054.05ACB	24	03.8074.05.1V	126	03.8090.14.CB	128
03.8000.14	121	03.8032.05ADA	122	03.8044.05ADA	23	03.8054.05ACB	124	03.8074.05.CB	26	03.8090.14ADA	128
03.8000.14.1V	121	03.8032.14A	22	03.8044.05ADA	123	03.8054.05ADA	24	03.8074.05.CB	126	03.8090.40	128
03.8000.14.CB	121	03.8032.14A	122	03.8044.14A	23	03.8054.05ADA	124	03.8074.05.DA	26	03.8090.40.1V	128
03.8000.14ADA	121	03.8032.14A1V	22	03.8044.14A	123	03.8054.14A	24	03.8074.05ADA	126	03.8090.40.CB	128
03.8001.14	121	03.8032.14A1V	122	03.8044.14A1V	23	03.8054.14A	124	03.8074.14	26	03.8090.40ADA	128
03.8001.14.1V	121	03.8032.14ACB	22	03.8044.14A1V	123	03.8054.14A1V	24	03.8074.14	126	03.8091.14	128
03.8001.14.CB	121	03.8032.14ACB	122	03.8044.14ACB	23	03.8054.14A1V	124	03.8074.14.1V	26	03.8091.14.1V	128
03.8001.14ADA	121	03.8032.14ADA	22	03.8044.14ACB	123	03.8054.14ACB	24	03.8074.14.1V	126	03.8091.14.CB	128
03.8002.14	121	03.8032.14ADA	122	03.8044.14ADA	23	03.8054.14ACB	124	03.8074.14.CB	26	03.8091.14ADA	128
03.8002.14.1V	121	03.8032.40A	22	03.8044.14ADA	123	03.8054.14ADA	24	03.8074.14.CB	126	03.8091.40	128
03.8002.14.CB	121	03.8032.40A	122	03.8044.40A	23	03.8054.14ADA	124	03.8074.14.DA	26	03.8091.40.1V	128
03.8002.14ADA	121	03.8032.40A1V	22	03.8044.40A	123	03.8054.40A	24	03.8074.14ADA	126	03.8091.40.CB	128
03.8003.14	121	03.8032.40A1V	122	03.8044.40A1V	23	03.8054.40A	124	03.8074.40	26	03.8091.40ADA	128
03.8003.14.1V	121	03.8032.40ACB	22	03.8044.40A1V	123	03.8054.40A1V	24	03.8074.40	126	03.8100.14	20
03.8003.14.CB	121	03.8032.40ACB	122	03.8044.40ACB	23	03.8054.40A1V	124	03.8074.40.1V	26	03.8100.14.1V	20
03.8003.14ADA	121	03.8032.40ADA	22	03.8044.40ACB	123	03.8054.40ACB	24	03.8074.40.1V	126	03.8100.14.CB	20
03.8004.14	121	03.8032.40ADA	122	03.8044.40ADA	23	03.8054.40ACB	124	03.8074.40.CB	26	03.8100.14.DA	20
03.8004.14.1V	121	03.8033.05A	22	03.8044.40ADA	123	03.8054.40ADA	24	03.8074.40.CB	126	03.8100.40	20
03.8004.14.CB	121	03.8033.05A	122	03.8045.05A	23	03.8054.40ADA	124	03.8074.40.DA	26	03.8100.40.1V	20
03.8004.14ADA	121	03.8033.05A1V	22	03.8045.05A	123	03.8055.05A	24	03.8074.40ADA	126	03.8100.40.CB	20
03.8005.14	121	03.8033.05A1V	122	03.8045.05A1V	23	03.8055.05A	124	03.8075.05	26	03.8100.40.DA	20
03.8005.14.1V	121	03.8033.05ACB	22	03.8045.05A1V	123	03.8055.05A1V	24	03.8075.05	126	03.8101.14	20
03.8005.14.CB	121	03.8033.05ACB	122	03.8045.05ACB	23	03.8055.05A1V	124	03.8075.05.1V	26	03.8101.14.1V	20
03.8005.14ADA	121	03.8033.05ADA	22	03.8045.05ACB	123	03.8055.05ACB	24	03.8075.05.1V	126	03.8101.14.CB	20
03.8006.14	121	03.8033.05ADA	122	03.8045.05ADA	23	03.8055.05ACB	124	03.8075.05.CB	26	03.8101.14.DA	20
03.8006.14.1V	121	03.8033.14A	22	03.8045.05ADA	123	03.8055.05ADA	24	03.8075.05.CB	126	03.8101.40	20
03.8006.14.CB	121	03.8033.14A	122	03.8045.14A	23	03.8055.05ADA	124	03.8075.05.DA	26	03.8101.40.1V	20
03.8006.14ADA	121	03.8033.14A1V	22	03.8045.14A	123	03.8055.14A	24	03.8075.05ADA	126	03.8101.40.CB	20
03.8007.14	121	03.8033.14A1V	122	03.8045.14A1V	23	03.8055.14A	124	03.8075.14	26	03.8101.40.DA	20
03.8007.14.1V	121	03.8033.14ACB	22	03.8045.14A1V	123	03.8055.14A1V	24	03.8075.14	126	03.8102.14	20
03.8007.14.CB	121	03.8033.14ACB	122	03.8045.14ACB	23	03.8055.14A1V	124	03.8075.14.1V	26	03.8102.14.1V	20
03.8007.14ADA	121	03.8033.14ADA	22	03.8045.14ACB	123	03.8055.14ACB	24	03.8075.14.1V	126	03.8102.14.CB	20
03.8008.14	121	03.8033.14ADA	122	03.8045.14ADA	23	03.8055.14ACB	124	03.8075.14.CB	26	03.8102.14.DA	20
03.8008.14.1V	121	03.8033.40A	22	03.8045.14ADA	123	03.8055.14ADA	24	03.8075.14.CB	126	03.8102.40	20
03.8008.14.CB	121	03.8033.40A	122	03.8045.40A	23	03.8055.14ADA	124	03.8075.14.DA	26	03.8102.40.1V	20
03.8008.14ADA	121	03.8033.40A1V	22	03.8045.40A	123	03.8055.40A	24	03.8075.14ADA	126	03.8102.40.CB	20
03.8009.14	121	03.8033.40A1V	122	03.8045.40A1V	23	03.8055.40A	124	03.8075.40	26	03.8102.40.DA	20
03.8009.14.1V	121	03.8033.40ACB	22	03.8045.40A1V	123	03.8055.40A1V	24	03.8075.40	126	03.8105.14	20
03.8009.14.CB	121	03.8033.40ACB	122	03.8045.40ACB	23	03.8055.40A1V	124	03.8075.40.1V	26	03.8105.14.1V	20
03.8009.14ADA	121	03.8033.40ADA	22	03.8045.40ACB	123	03.8055.40ACB	24	03.8075.40.1V	126	03.8105.14.CB	20
03.8025.05	127	03.8033.40ADA	122	03.8045.40ADA	23	03.8055.40ACB	124	03.8075.40.CB	26	03.8105.14.DA	20
03.8025.05.1V	127	03.8042.05A	23	03.8045.40ADA	123	03.8055.40ADA	24	03.8075.40.CB	126	03.8105.40	20
03.8025.05.CB	127	03.8042.05A	123	03.8052.05A	24	03.8055.40ADA	124	03.8075.40.DA	26	03.8105.40.1V	20
03.8025.05ADA	127	03.8042.05A1V	23	03.8052.05A	124	03.8072.05	26	03.8075.40ADA	126	03.8105.40.CB	20
03.8025.14	127	03.8042.05A1V	123	03.8052.05A1V	24	03.8072.05	126	03.8076.05	26	03.8105.40.DA	20
03.8025.14.1V	127	03.8042.05ACB	23	03.8052.05A1V	124	03.8072.05.1V	26	03.8076.05	126	03.8106.14	20
03.8025.14.CB	127	03.8042.05ACB	123	03.8052.05ACB	24	03.8072.05.1V	126	03.8076.05.1V	26	03.8106.14.1V	20
03.8025.14ADA	127	03.8042.05ADA	23	03.8052.05ACB	124	03.8072.05.CB	26	03.8076.05.1V	126	03.8106.14.CB	20
03.8025.40	127	03.8042.05ADA	123	03.8052.05ADA	24	03.8072.05.CB	126	03.8076.05.CB	26	03.8106.14.DA	20
03.8025.40.1V	127	03.8042.14A	23	03.8052.05ADA	124	03.8072.05.DA	26	03.8076.05.CB	126	03.8106.40	20
03.8025.40.CB	127	03.8042.14A	123	03.8052.14A	24	03.8072.05ADA	126	03.8076.05.DA	26	03.8106.40.1V	20
03.8025.40ADA	127	03.8042.14A1V	23	03.8052.14A	124	03.8072.14	26	03.8076.05ADA	126	03.8106.40.CB	20
03.8026.05	127	03.8042.14A1V	123	03.8052.14A1V	24	03.8072.14	126	03.8076.14	26	03.8106.40.DA	20
03.8026.05.1V	127	03.8042.14ACB	23	03.8052.14A1V	124	03.8072.14.1V	26	03.8076.14	126	03.8107.14	20

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03.8107.14.1V	20	03.8132.RC.CB	28	03.8154.05	125	03.8300.14A	189	03.8321.40ANI	201	03.8363.40ADA	213
03.8107.14.CB	20	03.8132.RC.DA	28	03.8154.05.1V	25	03.8300.14ACB	189	03.8324.14A	205	03.8363.40ANI	213
03.8107.14.DA	20	03.8133.00	28	03.8154.05.1V	125	03.8300.14ADA	189	03.8324.14ACB	205	03.8366.14A	221
03.8107.40	20	03.8133.00.1V	28	03.8154.05.CB	25	03.8300.14ANI	189	03.8324.14ADA	205	03.8366.14ACB	221
03.8107.40.1V	20	03.8133.00.CB	28	03.8154.05.CB	125	03.8300.40A	189	03.8324.14ANI	205	03.8366.14ADA	221
03.8107.40.CB	20	03.8133.00.DA	28	03.8154.05.DA	25	03.8300.40ACB	189	03.8324.40A	205	03.8366.14ANI	221
03.8107.40.DA	20	03.8133.FU	28	03.8154.05ADA	125	03.8300.40ADA	189	03.8324.40ACB	205	03.8366.40A	221
03.8110.14	21	03.8133.FU.1V	28	03.8154.14	25	03.8300.40ANI	189	03.8324.40ADA	205	03.8366.40ACB	221
03.8110.14.1V	21	03.8133.FU.CB	28	03.8154.14	125	03.8301.14A	189	03.8324.40ANI	205	03.8366.40ADA	221
03.8110.14.CB	21	03.8133.FU.DA	28	03.8154.14.1V	25	03.8301.14ACB	189	03.8325.14A	205	03.8366.40ANI	221
03.8110.14.DA	21	03.8133.RC	28	03.8154.14.1V	125	03.8301.14ADA	189	03.8325.14ACB	205	03.8367.14A	221
03.8110.40	21	03.8133.RC.1V	28	03.8154.14.CB	25	03.8301.14ANI	189	03.8325.14ADA	205	03.8367.14ACB	221
03.8110.40.1V	21	03.8133.RC.CB	28	03.8154.14.CB	125	03.8301.40A	189	03.8325.14ANI	205	03.8367.14ADA	221
03.8110.40.CB	21	03.8133.RC.DA	28	03.8154.14.DA	25	03.8301.40ACB	189	03.8325.40A	205	03.8367.14ANI	221
03.8110.40.DA	21	03.8135.00	28	03.8154.14ADA	125	03.8301.40ADA	189	03.8325.40ACB	205	03.8367.40A	221
03.8111.14	21	03.8135.00.1V	28	03.8154.40	25	03.8301.40ANI	189	03.8325.40ADA	205	03.8367.40ACB	221
03.8111.14.1V	21	03.8135.00.CB	28	03.8154.40	125	03.8304.14A	189	03.8325.40ANI	205	03.8367.40ADA	221
03.8111.14.CB	21	03.8135.00.DA	28	03.8154.40.1V	25	03.8304.14ACB	189	03.8328.14A	205	03.8367.40ANI	221
03.8111.14.DA	21	03.8135.FU	28	03.8154.40.1V	125	03.8304.14ADA	189	03.8328.14ACB	205	03.8370.14A	221
03.8111.40	21	03.8135.FU.1V	28	03.8154.40.CB	25	03.8304.14ANI	189	03.8328.14ADA	205	03.8370.14ACB	221
03.8111.40.1V	21	03.8135.FU.CB	28	03.8154.40.CB	125	03.8304.40A	189	03.8328.14ANI	205	03.8370.14ADA	221
03.8111.40.CB	21	03.8135.FU.DA	28	03.8154.40.DA	25	03.8304.40ACB	189	03.8328.40A	205	03.8370.14ANI	221
03.8111.40.DA	21	03.8135.RC	28	03.8154.40ADA	125	03.8304.40ADA	189	03.8328.40ACB	205	03.8370.40A	221
03.8112.14	21	03.8135.RC.1V	28	03.8155.05	25	03.8304.40ANI	189	03.8328.40ADA	205	03.8370.40ACB	221
03.8112.14.1V	21	03.8135.RC.CB	28	03.8155.05	125	03.8305.14A	189	03.8328.40ANI	205	03.8370.40ADA	221
03.8112.14.CB	21	03.8135.RC.DA	28	03.8155.05.1V	25	03.8305.14ACB	189	03.8329.14A	205	03.8370.40ANI	221
03.8112.14.DA	21	03.8136.00	29	03.8155.05.1V	125	03.8305.14ADA	189	03.8329.14ACB	205	03.8371.14A	221
03.8112.40	21	03.8136.00.1V	29	03.8155.05.CB	25	03.8305.14ANI	189	03.8329.14ADA	205	03.8371.14ACB	221
03.8112.40.1V	21	03.8136.00.CB	29	03.8155.05.CB	125	03.8305.40A	189	03.8329.14ANI	205	03.8371.14ADA	221
03.8112.40.CB	21	03.8136.00.DA	29	03.8155.05.DA	25	03.8305.40ACB	189	03.8329.40A	205	03.8371.14ANI	221
03.8112.40.DA	21	03.8136.FU	29	03.8155.05ADA	125	03.8305.40ADA	189	03.8329.40ACB	205	03.8371.40A	221
03.8115.14	21	03.8136.FU.1V	29	03.8155.14	25	03.8305.40ANI	189	03.8329.40ADA	205	03.8371.40ACB	221
03.8115.14.1V	21	03.8136.FU.CB	29	03.8155.14	125	03.8308.14A	193	03.8329.40ANI	205	03.8371.40ADA	221
03.8115.14.CB	21	03.8136.FU.DA	29	03.8155.14.1V	25	03.8308.14ACB	193	03.8350.14A	209	03.8371.40ANI	221
03.8115.14.DA	21	03.8136.RC	29	03.8155.14.1V	125	03.8308.14ADA	193	03.8350.14ACB	209	03.8374.14A	225
03.8115.40	21	03.8136.RC.1V	29	03.8155.14.CB	25	03.8308.14ANI	193	03.8350.14ADA	209	03.8374.14ACB	225
03.8115.40.1V	21	03.8136.RC.CB	29	03.8155.14.CB	125	03.8308.40A	193	03.8350.14ANI	209	03.8374.14ADA	225
03.8115.40.CB	21	03.8136.RC.DA	29	03.8155.14.DA	25	03.8308.40ACB	193	03.8350.40A	209	03.8374.14ANI	225
03.8115.40.DA	21	03.8137.00	28	03.8155.14ADA	125	03.8308.40ADA	193	03.8350.40ACB	209	03.8374.40A	225
03.8116.14	21	03.8137.00.1V	28	03.8155.40	25	03.8308.40ANI	193	03.8350.40ADA	209	03.8374.40ACB	225
03.8116.14.1V	21	03.8137.00.CB	28	03.8155.40	125	03.8309.14A	193	03.8350.40ANI	209	03.8374.40ADA	225
03.8116.14.CB	21	03.8137.00.DA	28	03.8155.40.1V	25	03.8309.14ACB	193	03.8351.14A	209	03.8374.40ANI	225
03.8116.14.DA	21	03.8137.FU	28	03.8155.40.1V	125	03.8309.14ADA	193	03.8351.14ACB	209	03.8375.14A	225
03.8116.40	21	03.8137.FU.1V	28	03.8155.40.CB	25	03.8309.14ANI	193	03.8351.14ADA	209	03.8375.14ACB	225
03.8116.40.1V	21	03.8137.FU.CB	28	03.8155.40.CB	125	03.8309.40A	193	03.8351.14ANI	209	03.8375.14ADA	225
03.8116.40.CB	21	03.8137.FU.DA	28	03.8155.40.DA	25	03.8309.40ACB	193	03.8351.40A	209	03.8375.14ANI	225
03.8116.40.DA	21	03.8137.RC	28	03.8155.40ADA	125	03.8309.40ADA	193	03.8351.40ACB	209	03.8375.40A	225
03.8117.14	21	03.8137.RC.1V	28	03.8156.05	25	03.8309.40ANI	193	03.8351.40ADA	209	03.8375.40ACB	225
03.8117.14.1V	21	03.8137.RC.CB	28	03.8156.05	125	03.8312.14A	193	03.8351.40ANI	209	03.8375.40ADA	225
03.8117.14.CB	21	03.8137.RC.DA	28	03.8156.05.1V	25	03.8312.14ACB	193	03.8354.14A	209	03.8375.40ANI	225
03.8117.14.DA	21	03.8138.00	29	03.8156.05.1V	125	03.8312.14ADA	193	03.8354.14ACB	209	03.8378.14A	225
03.8117.40	21	03.8138.00.1V	29	03.8156.05.CB	25	03.8312.14ANI	193	03.8354.14ADA	209	03.8378.14ACB	225
03.8117.40.1V	21	03.8138.00.CB	29	03.8156.05.CB	125	03.8312.40A	193	03.8354.14ANI	209	03.8378.14ADA	225
03.8117.40.CB	21	03.8138.00.DA	29	03.8156.05.DA	25	03.8312.40ACB	193	03.8354.40A	209	03.8378.14ANI	225
03.8117.40.DA	21	03.8138.FU	29	03.8156.05ADA	125	03.8312.40ADA	193	03.8354.40ACB	209	03.8378.40A	225
03.8120.14	19	03.8138.FU.1V	29	03.8156.14	25	03.8312.40ANI	193	03.8354.40ADA	209	03.8378.40ACB	225
03.8120.40	19	03.8138.FU.CB	29	03.8156.14	125	03.8313.14A	193	03.8354.40ANI	209	03.8378.40ADA	225
03.8121.14	19	03.8138.FU.DA	29	03.8156.14.1V	25	03.8313.14ACB	193	03.8355.14A	209	03.8378.40ANI	225
03.8121.40	19	03.8138.RC	29	03.8156.14.1V	125	03.8313.14ADA	193	03.8355.14ACB	209	03.8379.14A	225
03.8122.14	19	03.8138.RC.1V	29	03.8156.14.CB	25	03.8313.14ANI	193	03.8355.14ADA	209	03.8379.14ACB	225
03.8122.40	19	03.8138.RC.CB	29	03.8156.14.CB	125	03.8313.40A	193	03.8355.14ANI	209	03.8379.14ADA	225
03.8130.00	28	03.8138.RC.DA	29	03.8156.14.DA	25	03.8313.40ACB	193	03.8355.40A	209	03.8379.14ANI	225
03.8130.00.1V	28	03.8140.14	27	03.8156.14ADA	125	03.8313.40ADA	193	03.8355.40ACB	209	03.8379.40A	225
03.8130.00.CB	28	03.8140.14.1V	27	03.8156.40	25	03.8313.40ANI	193	03.8355.40ADA	209	03.8379.40ACB	225
03.8130.00.DA	28	03.8140.14.CB	27	03.8156.40	125	03.8316.14A	201	03.8355.40ANI	209	03.8379.40ADA	225
03.8130.FU	28	03.8140.14.DA	27	03.8156.40.1V	25	03.8316.14ACB	201	03.8358.14A	213	03.8379.40ANI	225
03.8130.FU.1V	28	03.8140.40	27	03.8156.40.1V	125	03.8316.14ADA	201	03.8358.14ACB	213	03.8400.14	35
03.8130.FU.CB	28	03.8140.40.1V	27	03.8156.40.CB	25	03.8316.14ANI	201	03.8358.14ADA	213	03.8400.40	35
03.8130.FU.DA	28	03.8140.40.CB	27	03.8156.40.CB	125	03.8316.40A	201	03.8358.14ANI	213	03.8401.14	35
03.8130.RC	28	03.8140.40.DA	27	03.8156.40.DA	25	03.8316.40ACB	201	03.8358.40A	213	03.8401.40	35
03.8130.RC.1V	28	03.8141.14	27	03.8156.40ADA	125	03.8316.40ADA	201	03.8358.40ACB	213	03.8402.14	35
03.8130.RC.CB	28	03.8141.14.1V	27	03.8157.05	25	03.8316.40ANI	201	03.8358.40ADA	213	03.8402.40	35
03.8130.RC.DA	28	03.8141.14.CB	27	03.8157.05	125	03.8317.14A	201	03.8358.40ANI	213	03.8403.14	35
03.8131.00	28	03.8141.14.DA	27	03.8157.05.1V	25	03.8317.14ACB	201	03.8359.14A	213	03.8403.40	35
03.8131.00.1V	28	03.8141.40	27	03.8157.05.1V	125	03.8317.14ADA	201	03.8359.14ACB	213	03.8404.14	35
03.8131.00.CB	28	03.8141.40.1V	27	03.8157.05.CB	25	03.8317.14ANI	201	03.8359.14ADA	213	03.8404.40	35
03.8131.00.DA	28	03.8141.40.CB	27	03.8157.05.CB	125	03.8317.40A	201	03.8359.14ANI	213	03.8405.14	35
03.8131.FU	28	03.8141.40.DA	27	03.8157.05.DA	25	03.8317.40ACB	201	03.8359.40A	213	03.8405.40	35
03.8131.FU.1V	28	03.8142.14	27	03.8157.05ADA	125	03.8317.40ADA	201	03.8359.40ACB	213	03.8410.14	36
03.8131.FU.CB	28	03.8142.14.1V	27	03.8157.14	25	03.8317.40ANI	201	03.8359.40ADA	213	03.8410.40	36
03.8131.FU.DA	28	03.8142.14.CB	27	03.8157.14	125	03.8320.14A	201	03.8359.40ANI	213	03.8411.14	36
03.8131.RC	28	03.8142.14.DA	27	03.8157.14.1V	25	03.8320.14ACB	201	03.8362.14A	213	03.8411.40	36
03.8131.RC.1V	28	03.8142.40	27	03.8157.14.1V	125	03.8320.14ADA	201	03.8362.14ACB	213	03.8412.14	36
03.8131.RC.CB	28	03.8142.40.1V	27	03.8157.14.CB	25	03.8320.14ANI	201	03.8362.14ADA	213	03.8412.40	36
03.8131.RC.DA	28	03.8142.40.CB	27	03.8157.14.CB	125	03.8320.40A	201	03.8362.14ANI	213	03.8413.14	36
03.8132.00	28	03.8142.40.DA	27	03.8157.14.DA	25	03.8320.40ACB	201	03.8362.40A	213	03.8413.40	36
03.8132.00.1V	28	03.8143.14	27	03.8157.14ADA	125	03.8320.40ADA	201	03.8362.40ACB	213	03.8414.14	36
03.8132.00.CB	28	03.8143.14.1V	27	03.8157.40	25	03.8320.40ANI	201	03.8362.40ADA	213	03.8414.40	36
03.8132.00.DA	28	03.8143.14.CB	27	03.8157.40	125	03.8321.14A	201	03.8362.40ANI	213	03.8415.14	36
03.8132.FU	28	03.8143.14.DA	27	03.8157.40.1V	25	03.8321.14ACB	201	03.8363.14A	213	03.8415.40	36
03.8132.FU.1V	28	03.8143.40	27	03.8157.40.1V	125	03.8321.14ADA	201	03.8363.14ACB	213	03.8420.14	38
03.8132.FU.CB	28	03.8143.40.1V	27	03.8157.40.CB	25	03.8321.14ANI	201	03.8363.14ADA	213	03.8420.40	38
03.8132.FU.DA	28	03.8143.40.CB	27	03.8157.40.CB	125	03.8321.40A	201	03.8363.14ANI	213	03.8421.14	38
03.8132.RC	28	03.8143.40.DA	27	03.8157.40.DA	25	03.8321.40ACB	201	03.8363.40A	213	03.8421.40	38
03.8132.RC.1V	28	03.8154.05	25	03.8157.40ADA	125	03.8321.40ADA	201	03.8363.40ACB	213	03.8422.14	38

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03.8423.14	38	03.8602.40A	271	03.8645.40A	271	03.8840.14ACB	198	03.8864.14A	210	03.8885.40ANI	226
03.8423.40	38	03.8602.EQA	271	03.8645.EQA	271	03.8840.14ADA	198	03.8864.14ACB	210	03.8888.14A	226
03.8424.14	38	03.8602.ERA	271	03.8645.ERA	271	03.8840.14ANI	198	03.8864.14ADA	210	03.8888.14ACB	226
03.8424.40	38	03.8602.ESA	271	03.8645.ESA	271	03.8840.40A	198	03.8864.14ANI	210	03.8888.14ADA	226
03.8425.14	38	03.8603.14A	270	03.8646.14A	271	03.8840.40ACB	198	03.8864.40A	210	03.8888.14ANI	226
03.8425.40	38	03.8603.40A	270	03.8646.40A	271	03.8840.40ADA	198	03.8864.40ACB	210	03.8888.40A	226
03.8430.14	33	03.8603.EQA	270	03.8646.EQA	271	03.8840.40ANI	198	03.8864.40ADA	210	03.8888.40ACB	226
03.8430.40	33	03.8603.ERA	270	03.8646.ERA	271	03.8841.14A	198	03.8864.40ANI	210	03.8888.40ADA	226
03.8431.14	33	03.8603.ESA	270	03.8646.ESA	271	03.8841.14ACB	198	03.8865.14A	210	03.8888.40ANI	226
03.8431.40	33	03.8604.14A	270	03.8647.14A	271	03.8841.14ADA	198	03.8865.14ACB	210	03.8889.14A	226
03.8432.14	33	03.8604.40A	270	03.8647.40A	271	03.8841.14ANI	198	03.8865.14ADA	210	03.8889.14ACB	226
03.8432.40	33	03.8604.EQA	270	03.8647.EQA	271	03.8841.40A	198	03.8865.14ANI	210	03.8889.14ADA	226
03.8440.14	36	03.8604.ERA	270	03.8647.ERA	271	03.8841.40ACB	198	03.8865.40A	210	03.8889.14ANI	226
03.8440.40	36	03.8604.ESA	270	03.8647.ESA	271	03.8841.40ADA	198	03.8865.40ACB	210	03.8889.40A	226
03.8441.14	37	03.8605.14A	271	03.8820.14A	186	03.8841.40ANI	198	03.8865.40ADA	210	03.8889.40ACB	226
03.8441.40	37	03.8605.40A	271	03.8820.14ACB	186	03.8844.14A	202	03.8865.40ANI	210	03.8889.40ADA	226
03.8442.14	36	03.8605.EQA	271	03.8820.14ADA	186	03.8844.14ACB	202	03.8868.14A	218	03.8889.40ANI	226
03.8442.40	36	03.8605.ERA	271	03.8820.14ANI	186	03.8844.14ADA	202	03.8868.14ACB	218	03.8892.14A	230
03.8443.14	37	03.8605.ESA	271	03.8820.40A	186	03.8844.14ANI	202	03.8868.14ADA	218	03.8892.14ACB	230
03.8443.40	37	03.8610.14A	270	03.8820.40ACB	186	03.8844.40A	202	03.8868.14ANI	218	03.8892.14ADA	230
03.8450.14	37	03.8610.40A	270	03.8820.40ADA	186	03.8844.40ACB	202	03.8868.40A	218	03.8892.14ANI	230
03.8450.40	37	03.8610.EQA	270	03.8820.40ANI	186	03.8844.40ADA	202	03.8868.40ACB	218	03.8892.40A	230
03.8451.14	37	03.8610.ERA	270	03.8821.14A	186	03.8844.40ANI	202	03.8868.40ADA	218	03.8892.40ACB	230
03.8451.40	37	03.8610.ESA	270	03.8821.14ACB	186	03.8845.14A	202	03.8868.40ANI	218	03.8892.40ADA	230
03.8500.14.1V	13	03.8611.14A	270	03.8821.14ADA	186	03.8845.14ACB	202	03.8869.14A	218	03.8892.40ANI	230
03.8500.14.CB	13	03.8611.40A	270	03.8821.14ANI	186	03.8845.14ADA	202	03.8869.14ACB	218	03.8893.14A	230
03.8500.14.DA	13	03.8611.EQA	270	03.8821.40A	186	03.8845.14ANI	202	03.8869.14ADA	218	03.8893.14ACB	230
03.8500.18.1V	13	03.8611.ERA	270	03.8821.40ACB	186	03.8845.40A	202	03.8869.14ANI	218	03.8893.14ADA	230
03.8500.18.CB	13	03.8611.ESA	270	03.8821.40ADA	186	03.8845.40ACB	202	03.8869.40A	218	03.8893.14ANI	230
03.8500.18.DA	13	03.8612.14A	271	03.8821.40ANI	186	03.8845.40ADA	202	03.8869.40ACB	218	03.8893.40A	230
03.8500.GN.1V	13	03.8612.40A	271	03.8824.14A	186	03.8845.40ANI	202	03.8869.40ADA	218	03.8893.40ACB	230
03.8500.GN.CB	13	03.8612.EQA	271	03.8824.14ACB	186	03.8848.14A	202	03.8869.40ANI	218	03.8893.40ADA	230
03.8500.GN.DA	13	03.8612.ERA	271	03.8824.14ADA	186	03.8848.14ACB	202	03.8872.14A	218	03.8893.40ANI	230
03.8501.14.1V	13	03.8612.ESA	271	03.8824.14ANI	186	03.8848.14ADA	202	03.8872.14ACB	218	03.8896.14A	230
03.8501.14.CB	13	03.8613.14A	270	03.8824.40A	186	03.8848.14ANI	202	03.8872.14ADA	218	03.8896.14ACB	230
03.8501.14.DA	13	03.8613.40A	270	03.8824.40ACB	186	03.8848.40A	202	03.8872.14ANI	218	03.8896.14ADA	230
03.8501.18.1V	13	03.8613.EQA	270	03.8824.40ADA	186	03.8848.40ACB	202	03.8872.40A	218	03.8896.14ANI	230
03.8501.18.CB	13	03.8613.ERA	270	03.8824.40ANI	186	03.8848.40ADA	202	03.8872.40ACB	218	03.8896.40A	230
03.8501.18.DA	13	03.8613.ESA	270	03.8825.14A	186	03.8848.40ANI	202	03.8872.40ADA	218	03.8896.40ACB	230
03.8501.GN.1V	13	03.8614.14A	270	03.8825.14ACB	186	03.8849.14A	202	03.8872.40ANI	218	03.8896.40ADA	230
03.8501.GN.CB	13	03.8614.40A	270	03.8825.14ADA	186	03.8849.14ACB	202	03.8873.14A	218	03.8896.40ANI	230
03.8501.GN.DA	13	03.8614.EQA	270	03.8825.14ANI	186	03.8849.14ADA	202	03.8873.14ACB	218	03.8897.14A	230
03.8505.14.1V	13	03.8614.ERA	270	03.8825.40A	186	03.8849.14ANI	202	03.8873.14ADA	218	03.8897.14ACB	230
03.8505.14.CB	13	03.8614.ESA	270	03.8825.40ACB	186	03.8849.40A	202	03.8873.14ANI	218	03.8897.14ADA	230
03.8505.14.DA	13	03.8615.14A	271	03.8825.40ADA	186	03.8849.40ACB	202	03.8873.40A	218	03.8897.14ANI	230
03.8505.18.1V	13	03.8615.40A	271	03.8825.40ANI	186	03.8849.40ADA	202	03.8873.40ACB	218	03.8897.40A	230
03.8505.18.CB	13	03.8615.EQA	271	03.8828.14A	190	03.8849.40ANI	202	03.8873.40ADA	218	03.8897.40ACB	230
03.8505.18.DA	13	03.8615.ERA	271	03.8828.14ACB	190	03.8852.14A	206	03.8873.40ANI	218	03.8897.40ADA	230
03.8505.GN.1V	13	03.8615.ESA	271	03.8828.14ADA	190	03.8852.14ACB	206	03.8876.14A	222	03.8897.40ANI	230
03.8505.GN.CB	13	03.8630.14A	271	03.8828.14ANI	190	03.8852.14ADA	206	03.8876.14ACB	222	03.8900.14A	234
03.8505.GN.DA	13	03.8630.40A	271	03.8828.40A	190	03.8852.14ANI	206	03.8876.14ADA	222	03.8900.14ACB	234
03.8506.14.1V	13	03.8630.EQA	271	03.8828.40ACB	190	03.8852.40A	206	03.8876.14ANI	222	03.8900.14ADA	234
03.8506.14.CB	13	03.8630.ERA	271	03.8828.40ADA	190	03.8852.40ACB	206	03.8876.40A	222	03.8900.14ANI	234
03.8506.14.DA	13	03.8630.ESA	271	03.8828.40ANI	190	03.8852.40ADA	206	03.8876.40ACB	222	03.8900.40A	234
03.8506.18.1V	13	03.8631.14A	271	03.8829.14A	190	03.8852.40ANI	206	03.8876.40ADA	222	03.8900.40ACB	234
03.8506.18.CB	13	03.8631.40A	271	03.8829.14ACB	190	03.8853.14A	206	03.8876.40ANI	222	03.8900.40ADA	234
03.8506.18.DA	13	03.8631.EQA	271	03.8829.14ADA	190	03.8853.14ACB	206	03.8877.14A	222	03.8900.40ANI	234
03.8506.GN.1V	13	03.8631.ERA	271	03.8829.14ANI	190	03.8853.14ADA	206	03.8877.14ACB	222	03.8901.14A	234
03.8506.GN.CB	13	03.8631.ESA	271	03.8829.40A	190	03.8853.14ANI	206	03.8877.14ADA	222	03.8901.14ACB	234
03.8506.GN.DA	13	03.8635.14A	271	03.8829.40ACB	190	03.8853.40A	206	03.8877.14ANI	222	03.8901.14ADA	234
03.8510.14	14	03.8635.40A	271	03.8829.40ADA	190	03.8853.40ACB	206	03.8877.40A	222	03.8901.14ANI	234
03.8510.18	14	03.8635.EQA	271	03.8829.40ANI	190	03.8853.40ADA	206	03.8877.40ACB	222	03.8901.40A	234
03.8510.GN	14	03.8635.ERA	271	03.8832.14A	190	03.8853.40ANI	206	03.8877.40ADA	222	03.8901.40ACB	234
03.8511.14	14	03.8635.ESA	271	03.8832.14ACB	190	03.8856.14A	206	03.8877.40ANI	222	03.8901.40ADA	234
03.8511.18	14	03.8636.14A	271	03.8832.14ADA	190	03.8856.14ACB	206	03.8880.14A	222	03.8901.40ANI	234
03.8511.GN	14	03.8636.40A	271	03.8832.14ANI	190	03.8856.14ADA	206	03.8880.14ACB	222	03.8904.14A	234
03.8512.14	14	03.8636.EQA	271	03.8832.40A	190	03.8856.14ANI	206	03.8880.14ADA	222	03.8904.14ACB	234
03.8512.18	14	03.8636.ERA	271	03.8832.40ACB	190	03.8856.40A	206	03.8880.14ANI	222	03.8904.14ADA	234
03.8512.GN	14	03.8636.ESA	271	03.8832.40ADA	190	03.8856.40ACB	206	03.8880.40A	222	03.8904.14ANI	234
03.8513.14	14	03.8640.14A	270	03.8832.40ANI	190	03.8856.40ADA	206	03.8880.40ACB	222	03.8904.40A	234
03.8513.18	14	03.8640.40A	270	03.8833.14A	190	03.8856.40ANI	206	03.8880.40ADA	222	03.8904.40ACB	234
03.8513.GN	14	03.8640.EQA	270	03.8833.14ACB	190	03.8857.14A	206	03.8880.40ANI	222	03.8904.40ADA	234
03.8514.14	14	03.8640.ERA	270	03.8833.14ADA	190	03.8857.14ACB	206	03.8881.14A	222	03.8904.40ANI	234
03.8514.18	14	03.8640.ESA	270	03.8833.14ANI	190	03.8857.14ADA	206	03.8881.14ACB	222	03.8905.14A	234
03.8514.GN	14	03.8641.14A	270	03.8833.40A	190	03.8857.14ANI	206	03.8881.14ADA	222	03.8905.14ACB	234
03.8520.14	14	03.8641.40A	270	03.8833.40ACB	190	03.8857.40A	206	03.8881.14ANI	222	03.8905.14ADA	234
03.8520.18	14	03.8641.EQA	270	03.8833.40ADA	190	03.8857.40ACB	206	03.8881.40A	222	03.8905.14ANI	234
03.8520.GN	14	03.8641.ERA	270	03.8833.40ANI	190	03.8857.40ADA	206	03.8881.40ACB	222	03.8905.40A	234
03.8521.14	14	03.8641.ESA	270	03.8836.14A	198	03.8857.40ANI	206	03.8881.40ADA	222	03.8905.40ACB	234
03.8521.18	14	03.8642.14A	271	03.8836.14ACB	198	03.8860.14A	210	03.8881.40ANI	222	03.8905.40ADA	234
03.8521.GN	14	03.8642.40A	271	03.8836.14ADA	198	03.8860.14ACB	210	03.8884.14A	226	03.8905.40ANI	234
03.8522.14	14	03.8642.EQA	271	03.8836.14ANI	198	03.8860.14ADA	210	03.8884.14ACB	226	03.8908.14A	238
03.8522.18	14	03.8642.ERA	271	03.8836.40A	198	03.8860.14ANI	210	03.8884.14ADA	226	03.8908.14ACB	238
03.8522.GN	14	03.8642.ESA	271	03.8836.40ACB	198	03.8860.40A	210	03.8884.14ANI	226	03.8908.14ADA	238
03.8600.14A	270	03.8643.14A	270	03.8836.40ADA	198	03.8860.40ACB	210	03.8884.40A	226	03.8908.14ANI	238
03.8600.40A	270	03.8643.40A	270	03.8836.40ANI	198	03.8860.40ADA	210	03.8884.40ACB	226	03.8908.40A	238
03.8600.EQA	270	03.8643.EQA	270	03.8837.14A	198	03.8860.40ANI	210	03.8884.40ADA	226	03.8908.40ACB	238
03.8600.ERA	270	03.8643.ERA	270	03.8837.14ACB	198	03.8861.14A	210	03.8884.40ANI	226	03.8908.40ADA	238
03.8600.ESA	270	03.8643.ESA	270	03.8837.14ADA	198	03.8861.14ACB	210	03.8885.14A	226	03.8908.40ANI	238
03.8601.14A	270	03.8644.14A	270	03.8837.14ANI	198	03.8861.14ADA	210	03.8885.14ACB	226	03.8909.14A	238
03.8601.40A	270	03.8644.40A	270	03.8837.40A	198	03.8861.14ANI	210	03.8885.14ADA	226	03.8909.14ACB	238
03.8601.EQA	270	03.8644.EQA	270	03.8837.40ACB	198	03.8861.40A	210	03.8885.14ANI	226	03.8909.14ADA	238
03.8601.ERA	270	03.8644.ERA	270	03.8837.40ADA	198	03.8861.40ACB	210	03.8885.40A	226	03.8909.14ANI	238
03.8601.ESA	270	03.8644.ESA	270	03.8837.40ANI	198	03.8861.40ADA	210	03.8885.40ACB	226	03.8909.40A	238

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03.8909.40ADA	238	03.8933.40ACB	250	03.8961.14ADA	260	03.9120.14ANI	191	03.9150.14ADA	199	03.9200.14ACB	207
03.8909.40ANI	238	03.8933.40ADA	250	03.8961.40A	260	03.9120.40A	191	03.9150.14ANI	199	03.9200.14ADA	207
03.8912.14A	238	03.8933.40ANI	250	03.8961.40ACB	260	03.9120.40ACB	191	03.9150.40A	199	03.9200.14ANI	207
03.8912.14ACB	238	03.8936.14A	250	03.8961.40ADA	260	03.9120.40ADA	191	03.9150.40ACB	199	03.9200.40A	207
03.8912.14ADA	238	03.8936.14ACB	250	03.8964.14A	260	03.9120.40ANI	191	03.9150.40ADA	199	03.9200.40ACB	207
03.8912.14ANI	238	03.8936.14ADA	250	03.8964.14ACB	260	03.9121.14A	191	03.9150.40ANI	199	03.9200.40ADA	207
03.8912.40A	238	03.8936.14ANI	250	03.8964.14ADA	260	03.9121.14ACB	191	03.9151.14A	199	03.9200.40ANI	207
03.8912.40ACB	238	03.8936.40A	250	03.8964.40A	260	03.9121.14ADA	191	03.9151.14ACB	199	03.9201.14A	207
03.8912.40ADA	238	03.8936.40ACB	250	03.8964.40ACB	260	03.9121.14ANI	191	03.9151.14ADA	199	03.9201.14ACB	207
03.8912.40ANI	238	03.8936.40ADA	250	03.8964.40ADA	260	03.9121.40A	191	03.9151.14ANI	199	03.9201.14ADA	207
03.8913.14A	238	03.8936.40ANI	250	03.8965.14A	260	03.9121.40ACB	191	03.9151.40A	199	03.9201.14ANI	207
03.8913.14ACB	238	03.8937.14A	250	03.8965.14ACB	260	03.9121.40ADA	191	03.9151.40ACB	199	03.9201.40A	207
03.8913.14ADA	238	03.8937.14ACB	250	03.8965.14ADA	260	03.9121.40ANI	191	03.9151.40ADA	199	03.9201.40ACB	207
03.8913.14ANI	238	03.8937.14ADA	250	03.8965.40A	260	03.9125.14A	192	03.9151.40ANI	199	03.9201.40ADA	207
03.8913.40A	238	03.8937.14ANI	250	03.8965.40ACB	260	03.9125.14ACB	192	03.9155.14A	200	03.9201.40ANI	207
03.8913.40ACB	238	03.8937.40A	250	03.8965.40ADA	260	03.9125.14ADA	192	03.9155.14ACB	200	03.9205.14A	208
03.8913.40ADA	238	03.8937.40ACB	250	03.8968.14A	260	03.9125.14ANI	192	03.9155.14ADA	200	03.9205.14ACB	208
03.8913.40ANI	238	03.8937.40ADA	250	03.8968.14ACB	260	03.9125.40A	192	03.9155.14ANI	200	03.9205.14ADA	208
03.8916.14A	242	03.8937.40ANI	250	03.8968.14ADA	260	03.9125.40ACB	192	03.9155.40A	200	03.9205.14ANI	208
03.8916.14ACB	242	03.8940.14A	254	03.8968.40A	260	03.9125.40ADA	192	03.9155.40ACB	200	03.9205.40A	208
03.8916.14ADA	242	03.8940.14ACB	254	03.8968.40ACB	260	03.9125.40ANI	192	03.9155.40ADA	200	03.9205.40ACB	208
03.8916.14ANI	242	03.8940.14ADA	254	03.8968.40ADA	260	03.9126.14A	192	03.9155.40ANI	200	03.9205.40ADA	208
03.8916.40A	242	03.8940.14ANI	254	03.8969.14A	260	03.9126.14ACB	192	03.9156.14A	200	03.9205.40ANI	208
03.8916.40ACB	242	03.8940.40A	254	03.8969.14ACB	260	03.9126.14ADA	192	03.9156.14ACB	200	03.9206.14A	208
03.8916.40ADA	242	03.8940.40ACB	254	03.8969.14ADA	260	03.9126.14ANI	192	03.9156.14ADA	200	03.9206.14ACB	208
03.8916.40ANI	242	03.8940.40ADA	254	03.8969.40A	260	03.9126.40A	192	03.9156.14ANI	200	03.9206.14ADA	208
03.8917.14A	242	03.8940.40ANI	254	03.8969.40ACB	260	03.9126.40ACB	192	03.9156.40A	200	03.9206.14ANI	208
03.8917.14ACB	242	03.8941.14A	254	03.8969.40ADA	260	03.9126.40ADA	192	03.9156.40ACB	200	03.9206.40A	208
03.8917.14ADA	242	03.8941.14ACB	254	03.9100.14A	187	03.9126.40ANI	192	03.9156.40ADA	200	03.9206.40ACB	208
03.8917.14ANI	242	03.8941.14ADA	254	03.9100.14ACB	187	03.9130.14A	191	03.9156.40ANI	200	03.9206.40ADA	208
03.8917.40A	242	03.8941.14ANI	254	03.9100.14ADA	187	03.9130.14ACB	191	03.9160.14A	203	03.9206.40ANI	208
03.8917.40ACB	242	03.8941.40A	254	03.9100.14ANI	187	03.9130.14ADA	191	03.9160.14ACB	203	03.9210.14A	207
03.8917.40ADA	242	03.8941.40ACB	254	03.9100.40A	187	03.9130.14ANI	191	03.9160.14ADA	203	03.9210.14ACB	207
03.8917.40ANI	242	03.8941.40ADA	254	03.9100.40ACB	187	03.9130.40A	191	03.9160.14ANI	203	03.9210.14ADA	207
03.8920.14A	242	03.8941.40ANI	254	03.9100.40ADA	187	03.9130.40ACB	191	03.9160.40A	203	03.9210.14ANI	207
03.8920.14ACB	242	03.8944.14A	254	03.9100.40ANI	187	03.9130.40ADA	191	03.9160.40ACB	203	03.9210.40A	207
03.8920.14ADA	242	03.8944.14ACB	254	03.9101.14A	187	03.9130.40ANI	191	03.9160.40ADA	203	03.9210.40ACB	207
03.8920.14ANI	242	03.8944.14ADA	254	03.9101.14ACB	187	03.9131.14A	191	03.9160.40ANI	203	03.9210.40ADA	207
03.8920.40A	242	03.8944.14ANI	254	03.9101.14ADA	187	03.9131.14ACB	191	03.9161.14A	203	03.9210.40ANI	207
03.8920.40ACB	242	03.8944.40A	254	03.9101.14ANI	187	03.9131.14ADA	191	03.9161.14ACB	203	03.9211.14A	207
03.8920.40ADA	242	03.8944.40ACB	254	03.9101.40A	187	03.9131.14ANI	191	03.9161.14ADA	203	03.9211.14ACB	207
03.8920.40ANI	242	03.8944.40ADA	254	03.9101.40ACB	187	03.9131.40A	191	03.9161.14ANI	203	03.9211.14ADA	207
03.8921.14A	242	03.8944.40ANI	254	03.9101.40ADA	187	03.9131.40ACB	191	03.9161.40A	203	03.9211.14ANI	207
03.8921.14ACB	242	03.8945.14A	254	03.9101.40ANI	187	03.9131.40ADA	191	03.9161.40ACB	203	03.9211.40A	207
03.8921.14ADA	242	03.8945.14ACB	254	03.9105.14A	188	03.9131.40ANI	191	03.9161.40ADA	203	03.9211.40ACB	207
03.8921.14ANI	242	03.8945.14ADA	254	03.9105.14ACB	188	03.9135.14A	192	03.9161.40ANI	203	03.9211.40ADA	207
03.8921.40A	242	03.8945.14ANI	254	03.9105.14ADA	188	03.9135.14ACB	192	03.9165.14A	204	03.9211.40ANI	207
03.8921.40ACB	242	03.8945.40A	254	03.9105.14ANI	188	03.9135.14ADA	192	03.9165.14ACB	204	03.9215.14A	208
03.8921.40ADA	242	03.8945.40ACB	254	03.9105.40A	188	03.9135.14ANI	192	03.9165.14ADA	204	03.9215.14ACB	208
03.8921.40ANI	242	03.8945.40ADA	254	03.9105.40ACB	188	03.9135.40A	192	03.9165.14ANI	204	03.9215.14ADA	208
03.8924.14A	246	03.8945.40ANI	254	03.9105.40ADA	188	03.9135.40ACB	192	03.9165.40A	204	03.9215.14ANI	208
03.8924.14ACB	246	03.8948.14A	100	03.9105.40ANI	188	03.9135.40ADA	192	03.9165.40ACB	204	03.9215.40A	208
03.8924.14ADA	246	03.8948.14ACB	100	03.9106.14A	188	03.9135.40ANI	192	03.9165.40ADA	204	03.9215.40ACB	208
03.8924.14ANI	246	03.8948.14BDA	100	03.9106.14ACB	188	03.9136.14A	192	03.9165.40ANI	204	03.9215.40ADA	208
03.8924.40A	246	03.8948.40A	100	03.9106.14ADA	188	03.9136.14ACB	192	03.9166.14A	204	03.9215.40ANI	208
03.8924.40ACB	246	03.8948.40ACB	100	03.9106.14ANI	188	03.9136.14ADA	192	03.9166.14ACB	204	03.9216.14A	208
03.8924.40ADA	246	03.8948.40BDA	100	03.9106.40A	188	03.9136.14ANI	192	03.9166.14ADA	204	03.9216.14ACB	208
03.8924.40ANI	246	03.8949.14A	100	03.9106.40ACB	188	03.9136.40A	192	03.9166.14ANI	204	03.9216.14ADA	208
03.8925.14A	246	03.8949.14ACB	100	03.9106.40ADA	188	03.9136.40ACB	192	03.9166.40A	204	03.9216.14ANI	208
03.8925.14ACB	246	03.8949.14BDA	100	03.9106.40ANI	188	03.9136.40ADA	192	03.9166.40ACB	204	03.9216.40A	208
03.8925.14ADA	246	03.8949.40A	100	03.9110.14A	187	03.9136.40ANI	192	03.9166.40ADA	204	03.9216.40ACB	208
03.8925.14ANI	246	03.8949.40ACB	100	03.9110.14ACB	187	03.9140.14A	199	03.9166.40ANI	204	03.9216.40ADA	208
03.8925.40A	246	03.8949.40BDA	100	03.9110.14ADA	187	03.9140.14ACB	199	03.9170.14A	203	03.9216.40ANI	208
03.8925.40ACB	246	03.8952.14A	100	03.9110.14ANI	187	03.9140.14ADA	199	03.9170.14ACB	203	03.9220.14A	211
03.8925.40ADA	246	03.8952.14ACB	100	03.9110.40A	187	03.9140.14ANI	199	03.9170.14ADA	203	03.9220.14ACB	211
03.8925.40ANI	246	03.8952.14BDA	100	03.9110.40ACB	187	03.9140.40A	199	03.9170.14ANI	203	03.9220.14ADA	211
03.8928.14A	246	03.8952.40A	100	03.9110.40ADA	187	03.9140.40ACB	199	03.9170.40A	203	03.9220.14ANI	211
03.8928.14ACB	246	03.8952.40ACB	100	03.9110.40ANI	187	03.9140.40ADA	199	03.9170.40ACB	203	03.9220.40A	211
03.8928.14ADA	246	03.8952.40BDA	100	03.9111.14A	187	03.9140.40ANI	199	03.9170.40ADA	203	03.9220.40ACB	211
03.8928.14ANI	246	03.8953.14A	100	03.9111.14ACB	187	03.9141.14A	199	03.9170.40ANI	203	03.9220.40ADA	211
03.8928.40A	246	03.8953.14ACB	100	03.9111.14ADA	187	03.9141.14ACB	199	03.9171.14A	203	03.9220.40ANI	211
03.8928.40ACB	246	03.8953.14BDA	100	03.9111.14ANI	187	03.9141.14ADA	199	03.9171.14ACB	203	03.9221.14A	211
03.8928.40ADA	246	03.8953.40A	100	03.9111.40A	187	03.9141.14ANI	199	03.9171.14ADA	203	03.9221.14ACB	211
03.8928.40ANI	246	03.8953.40ACB	100	03.9111.40ACB	187	03.9141.40A	199	03.9171.14ANI	203	03.9221.14ADA	211
03.8929.14A	246	03.8953.40BDA	100	03.9111.40ADA	187	03.9141.40ACB	199	03.9171.40A	203	03.9221.14ANI	211
03.8929.14ACB	246	03.8956.14A	260	03.9111.40ANI	187	03.9141.40ADA	199	03.9171.40ACB	203	03.9221.40A	211
03.8929.14ADA	246	03.8956.14ACB	260	03.9115.14A	188	03.9141.40ANI	199	03.9171.40ADA	203	03.9221.40ACB	211
03.8929.14ANI	246	03.8956.14ADA	260	03.9115.14ACB	188	03.9145.14A	200	03.9171.40ANI	203	03.9221.40ADA	211
03.8929.40A	246	03.8956.40A	260	03.9115.14ADA	188	03.9145.14ACB	200	03.9175.14A	204	03.9221.40ANI	211
03.8929.40ACB	246	03.8956.40ACB	260	03.9115.14ANI	188	03.9145.14ADA	200	03.9175.14ACB	204	03.9225.14A	212
03.8929.40ADA	246	03.8956.40ADA	260	03.9115.40A	188	03.9145.14ANI	200	03.9175.14ADA	204	03.9225.14ACB	212
03.8929.40ANI	246	03.8957.14A	260	03.9115.40ACB	188	03.9145.40A	200	03.9175.14ANI	204	03.9225.14ADA	212
03.8932.14A	250	03.8957.14ACB	260	03.9115.40ADA	188	03.9145.40ACB	200	03.9175.40A	204	03.9225.14ANI	212
03.8932.14ACB	250	03.8957.14ADA	260	03.9115.40ANI	188	03.9145.40ADA	200	03.9175.40ACB	204	03.9225.40A	212
03.8932.14ADA	250	03.8957.40A	260	03.9116.14A	188	03.9145.40ANI	200	03.9175.40ADA	204	03.9225.40ACB	212
03.8932.14ANI	250	03.8957.40ACB	260	03.9116.14ACB	188	03.9146.14A	200	03.9175.40ANI	204	03.9225.40ADA	212
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03.8932.40ADA	250	03.8960.14ACB	260	03.9116.40A	188	03.9146.14ANI	200	03.9176.14ADA	204	03.9226.14ACB	212
03.8932.40ANI	250	03.8960.14ADA	260	03.9116.40ACB	188	03.9146.40A	200	03.9176.14ANI	204	03.9226.14ADA	212
03.8933.14A	250	03.8960.40A	260	03.9116.40ADA	188	03.9146.40ACB	200	03.9176.40A	204	03.9226.14ANI	212
03.8933.14ACB	250	03.8960.40ACB	260	03.9116.40ANI	188	03.9146.40ADA	200	03.9176.40ACB	204	03.9226.40A	212
03.8933.14ADA	250	03.8960.40ADA	260	03.9120.14A	191	03.9146.40ANI	200	03.9176.40ADA	204	03.9226.40ACB	212
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03.9230.14ACB	211	03.9260.14A	223	03.9306.40ANI	228	03.9336.40ADA	232	03.9366.40ACB	240	03.9416.40A	244
03.9230.14ADA	211	03.9260.14ACB	223	03.9310.14A	227	03.9336.40ANI	232	03.9366.40ADA	240	03.9416.40ACB	244
03.9230.14ANI	211	03.9260.14ADA	223	03.9310.14ACB	227	03.9340.14A	235	03.9366.40ANI	240	03.9416.40ADA	244
03.9230.40A	211	03.9260.14ANI	223	03.9310.14ADA	227	03.9340.14ACB	235	03.9370.14A	239	03.9416.40ANI	244
03.9230.40ACB	211	03.9260.40A	223	03.9310.14ANI	227	03.9340.14ADA	235	03.9370.14ACB	239	03.9420.14A	247
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03.9230.40ANI	211	03.9260.40ADA	223	03.9310.40ACB	227	03.9340.40A	235	03.9370.14ANI	239	03.9420.14ADA	247
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03.9231.40A	211	03.9261.14ANI	223	03.9311.14ADA	227	03.9341.14ACB	235	03.9371.14A	239	03.9420.40ANI	247
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03.9235.40A	212	03.9265.14ANI	224	03.9315.14ADA	228	03.9345.14ACB	236	03.9375.14A	240	03.9421.40ANI	247
03.9235.40ACB	212	03.9265.40A	224	03.9315.14ANI	228	03.9345.14ADA	236	03.9375.14ACB	240	03.9425.14A	248
03.9235.40ADA	212	03.9265.40ACB	224	03.9315.40A	228	03.9345.14ANI	236	03.9375.14ADA	240	03.9425.14ACB	248
03.9235.40ANI	212	03.9265.40ADA	224	03.9315.40ACB	228	03.9345.40A	236	03.9375.14ANI	240	03.9425.14ADA	248
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03.9236.14ACB	212	03.9266.14A	224	03.9315.40ANI	228	03.9345.40ADA	236	03.9375.40ACB	240	03.9425.40A	248
03.9236.14ADA	212	03.9266.14ACB	224	03.9316.14A	228	03.9345.40ANI	236	03.9375.40ADA	240	03.9425.40ACB	248
03.9236.14ANI	212	03.9266.14ADA	224	03.9316.14ACB	228	03.9346.14A	236	03.9375.40ANI	240	03.9425.40ADA	248
03.9236.40A	212	03.9266.14ANI	224	03.9316.14ADA	228	03.9346.14ACB	236	03.9376.14A	240	03.9425.40ANI	248
03.9236.40ACB	212	03.9266.40A	224	03.9316.14ANI	228	03.9346.14ADA	236	03.9376.14ACB	240	03.9426.14A	248
03.9236.40ADA	212	03.9266.40ACB	224	03.9316.40A	228	03.9346.14ANI	236	03.9376.14ADA	240	03.9426.14ACB	248
03.9236.40ANI	212	03.9266.40ADA	224	03.9316.40ACB	228	03.9346.40A	236	03.9376.14ANI	240	03.9426.14ADA	248
03.9240.14A	219	03.9266.40ANI	224	03.9316.40ADA	228	03.9346.40ACB	236	03.9376.40A	240	03.9426.14ANI	248
03.9240.14ACB	219	03.9270.14A	223	03.9316.40ANI	228	03.9346.40ADA	236	03.9376.40ACB	240	03.9426.40A	248
03.9240.14ADA	219	03.9270.14ACB	223	03.9320.14A	231	03.9346.40ANI	236	03.9376.40ADA	240	03.9426.40ACB	248
03.9240.14ANI	219	03.9270.14ADA	223	03.9320.14ACB	231	03.9350.14A	235	03.9376.40ANI	240	03.9426.40ADA	248
03.9240.40A	219	03.9270.14ANI	223	03.9320.14ADA	231	03.9350.14ACB	235	03.9400.14A	243	03.9426.40ANI	248
03.9240.40ACB	219	03.9270.40A	223	03.9320.14ANI	231	03.9350.14ADA	235	03.9400.14ACB	243	03.9430.14A	247
03.9240.40ADA	219	03.9270.40ACB	223	03.9320.40A	231	03.9350.14ANI	235	03.9400.14ADA	243	03.9430.14ACB	247
03.9240.40ANI	219	03.9270.40ADA	223	03.9320.40ACB	231	03.9350.40A	235	03.9400.14ANI	243	03.9430.14ADA	247
03.9241.14A	219	03.9270.40ANI	223	03.9320.40ADA	231	03.9350.40ACB	235	03.9400.40A	243	03.9430.14ANI	247
03.9241.14ACB	219	03.9271.14A	223	03.9320.40ANI	231	03.9350.40ADA	235	03.9400.40ACB	243	03.9430.40A	247
03.9241.14ADA	219	03.9271.14ACB	223	03.9321.14A	231	03.9350.40ANI	235	03.9400.40ADA	243	03.9430.40ACB	247
03.9241.14ANI	219	03.9271.14ADA	223	03.9321.14ACB	231	03.9351.14A	235	03.9400.40ANI	243	03.9430.40ADA	247
03.9241.40A	219	03.9271.14ANI	223	03.9321.14ADA	231	03.9351.14ACB	235	03.9401.14A	243	03.9430.40ANI	247
03.9241.40ACB	219	03.9271.40A	223	03.9321.14ANI	231	03.9351.14ADA	235	03.9401.14ACB	243	03.9431.14A	247
03.9241.40ADA	219	03.9271.40ACB	223	03.9321.40A	231	03.9351.14ANI	235	03.9401.14ADA	243	03.9431.14ACB	247
03.9241.40ANI	219	03.9271.40ADA	223	03.9321.40ACB	231	03.9351.40A	235	03.9401.14ANI	243	03.9431.14ADA	247
03.9245.14A	220	03.9271.40ANI	223	03.9321.40ADA	231	03.9351.40ACB	235	03.9401.40A	243	03.9431.14ANI	247
03.9245.14ACB	220	03.9275.14A	224	03.9321.40ANI	231	03.9351.40ADA	235	03.9401.40ACB	243	03.9431.40A	247
03.9245.14ADA	220	03.9275.14ACB	224	03.9325.14A	232	03.9351.40ANI	235	03.9401.40ADA	243	03.9431.40ACB	247
03.9245.14ANI	220	03.9275.14ADA	224	03.9325.14ACB	232	03.9355.14A	236	03.9401.40ANI	243	03.9431.40ADA	247
03.9245.40A	220	03.9275.14ANI	224	03.9325.14ADA	232	03.9355.14ACB	236	03.9405.14A	244	03.9431.40ANI	247
03.9245.40ACB	220	03.9275.40A	224	03.9325.14ANI	232	03.9355.14ADA	236	03.9405.14ACB	244	03.9435.14A	248
03.9245.40ADA	220	03.9275.40ACB	224	03.9325.40A	232	03.9355.14ANI	236	03.9405.14ADA	244	03.9435.14ACB	248
03.9245.40ANI	220	03.9275.40ADA	224	03.9325.40ACB	232	03.9355.40A	236	03.9405.14ANI	244	03.9435.14ADA	248
03.9246.14A	220	03.9275.40ANI	224	03.9325.40ADA	232	03.9355.40ACB	236	03.9405.40A	244	03.9435.14ANI	248
03.9246.14ACB	220	03.9276.14A	224	03.9325.40ANI	232	03.9355.40ADA	236	03.9405.40ACB	244	03.9435.40A	248
03.9246.14ADA	220	03.9276.14ACB	224	03.9326.14A	232	03.9355.40ANI	236	03.9405.40ADA	244	03.9435.40ACB	248
03.9246.14ANI	220	03.9276.14ADA	224	03.9326.14ACB	232	03.9356.14A	236	03.9405.40ANI	244	03.9435.40ADA	248
03.9246.40A	220	03.9276.14ANI	224	03.9326.14ADA	232	03.9356.14ACB	236	03.9406.14A	244	03.9435.40ANI	248
03.9246.40ACB	220	03.9276.40A	224	03.9326.14ANI	232	03.9356.14ADA	236	03.9406.14ACB	244	03.9436.14A	248
03.9246.40ADA	220	03.9276.40ACB	224	03.9326.40A	232	03.9356.14ANI	236	03.9406.14ADA	244	03.9436.14ACB	248
03.9246.40ANI	220	03.9276.40ADA	224	03.9326.40ACB	232	03.9356.40A	236	03.9406.14ANI	244	03.9436.14ADA	248
03.9250.14A	219	03.9276.40ANI	224	03.9326.40ADA	232	03.9356.40ACB	236	03.9406.40A	244	03.9436.14ANI	248
03.9250.14ACB	219	03.9300.14A	227	03.9326.40ANI	232	03.9356.40ADA	236	03.9406.40ACB	244	03.9436.40A	248
03.9250.14ADA	219	03.9300.14ACB	227	03.9330.14A	231	03.9356.40ANI	236	03.9406.40ADA	244	03.9436.40ACB	248
03.9250.14ANI	219	03.9300.14ADA	227	03.9330.14ACB	231	03.9360.14A	239	03.9406.40ANI	244	03.9436.40ADA	248
03.9250.40A	219	03.9300.14ANI	227	03.9330.14ADA	231	03.9360.14ACB	239	03.9410.14A	243	03.9436.40ANI	248
03.9250.40ACB	219	03.9300.40A	227	03.9330.14ANI	231	03.9360.14ADA	239	03.9410.14ACB	243	03.9440.14A	251
03.9250.40ADA	219	03.9300.40ADA	227	03.9330.40A	231	03.9360.14ANI	239	03.9410.14ADA	243	03.9440.14ACB	251
03.9250.40ANI	219	03.9300.40ANI	227	03.9330.40ACB	231	03.9360.40A	239	03.9410.14ANI	243	03.9440.14ADA	251
03.9251.14A	219	03.9300.40CB	227	03.9330.40ADA	231	03.9360.40ACB	239	03.9410.40A	243	03.9440.14ANI	251
03.9251.14ACB	219	03.9301.14A	227	03.9330.40ANI	231	03.9360.40ADA	239	03.9410.40ACB	243	03.9440.40A	251
03.9251.14ADA	219	03.9301.14ACB	227	03.9331.14A	231	03.9360.40ANI	239	03.9410.40ADA	243	03.9440.40ACB	251
03.9251.14ANI	219	03.9301.14ADA	227	03.9331.14ACB	231	03.9361.14A	239	03.9410.40ANI	243	03.9440.40ADA	251
03.9251.40A	219	03.9301.14ANI	227	03.9331.14ADA	231	03.9361.14ACB	239	03.9411.14A	243	03.9440.40ANI	251
03.9251.40ACB	219	03.9301.40A	227	03.9331.14ANI	231	03.9361.14ADA	239	03.9411.14ACB	243	03.9441.14A	251
03.9251.40ADA	219	03.9301.40ACB	227	03.9331.40A	231	03.9361.14ANI	239	03.9411.14ADA	243	03.9441.14ACB	251
03.9251.40ANI	219	03.9301.40ADA	227	03.9331.40ACB	231	03.9361.40A	239	03.9411.14ANI	243	03.9441.14ADA	251
03.9255.14A	220	03.9301.40ANI	227	03.9331.40ADA	231	03.9361.40ACB	239	03.9411.40A	243	03.9441.14ANI	251
03.9255.14ACB	220	03.9305.14A	228	03.9331.40ANI	231	03.9361.40ADA	239	03.9411.40ACB	243	03.9441.40A	251
03.9255.14ADA	220	03.9305.14ACB	228	03.9335.14A	232	03.9361.40ANI	239	03.9411.40ADA	243	03.9441.40ACB	251
03.9255.14ANI	220	03.9305.14ADA	228	03.9335.14ACB	232	03.9365.14A	240	03.9411.40ANI	243	03.9441.40ADA	251
03.9255.40A	220	03.9305.14ANI	228	03.9335.14ADA	232	03.9365.14ACB	240	03.9415.14A	244	03.9441.40ANI	251
03.9255.40ACB	220	03.9305.40A	228	03.9335.14ANI	232	03.9365.14ADA	240	03.9415.14ACB	244	03.9445.14A	252
03.9255.40ADA	220	03.9305.40ACB	228	03.9335.40A	232	03.9365.14ANI	240	03.9415.14ADA	244	03.9445.14ACB	252
03.9255.40ANI	220	03.9305.40ADA	228	03.9335.40ACB	232	03.9365.40A	240	03.9415.14ANI	244	03.9445.14ADA	252
03.9256.14A	220	03.9305.40ANI	228	03.9335.40ADA	232	03.9365.40ACB	240	03.9415.40A	244	03.9445.14ANI	252
03.9256.14ACB	220	03.9306.14A	228	03.9335.40ANI	232	03.9365.40ADA	240	03.9415.40ACB	244	03.9445.40A	252
03.9256.14ADA	220	03.9306.14ACB	228	03.9336.14A	232	03.9365.40ANI	240	03.9415.40ADA	244	03.9445.40ACB	252
03.9256.14ANI	220	03.9306.14ADA	228	03.9336.14ACB	232	03.9366.14A	240	03.9415.40ANI	244	03.9445.40ADA	252
03.9256.40A	220	03.9306.14ANI	228	03.9336.14ADA	232	03.9366.14ACB	240	03.9416.14A	244	03.9445.40ANI	252
03.9256.40ACB	220	03.9306.40A	228	03.9336.14ANI	232	03.9366.14ADA	240	03.9416.14ACB	244	03.9446.14A	252

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03.9446.14ACB	252	03.9476.14A	256	03.9635.14ACB	102	03.9764.14A	263	03.9901.14ANI	258	03.9940.EQ	280
03.9446.14ADA	252	03.9476.14ACB	256	03.9635.14BDA	102	03.9764.14ACB	263	03.9901.40A	258	03.9940.ER	280
03.9446.14ANI	252	03.9476.14ADA	256	03.9635.40A	102	03.9764.14ADA	263	03.9901.40ACB	258	03.9940.ES	280
03.9446.40A	252	03.9476.14ANI	256	03.9635.40ACB	102	03.9764.40A	263	03.9901.40ADA	258	03.9941.14	280
03.9446.40ACB	252	03.9476.40A	256	03.9635.40BDA	102	03.9764.40ACB	263	03.9901.40ANI	258	03.9941.40	280
03.9446.40ADA	252	03.9476.40ACB	256	03.9636.14A	102	03.9764.40ADA	263	03.9902.14A	258	03.9941.EQ	280
03.9446.40ANI	252	03.9476.40ADA	256	03.9636.14ACB	102	03.9765.14A	263	03.9902.14ACB	258	03.9941.ER	280
03.9450.14A	251	03.9476.40ANI	256	03.9636.14BDA	102	03.9765.14ACB	263	03.9902.14ADA	258	03.9941.ES	280
03.9450.14ACB	251	03.9500.02	578	03.9636.40A	102	03.9765.14ADA	263	03.9902.14ANI	258	03.9942.14	280
03.9450.14ADA	251	03.9500.14	578	03.9636.40ACB	102	03.9765.40A	263	03.9902.40A	258	03.9942.40	280
03.9450.14ANI	251	03.9500.40	578	03.9636.40BDA	102	03.9765.40ACB	263	03.9902.40ACB	258	03.9942.EQ	280
03.9450.40A	251	03.9500.ET	578	03.9660.14A	103	03.9765.40ADA	263	03.9902.40ADA	258	03.9942.ER	280
03.9450.40ACB	251	03.9500.EU	578	03.9660.14ACB	103	03.9820.14A	261	03.9902.40ANI	258	03.9942.ES	280
03.9450.40ADA	251	03.9501.02	578	03.9660.14BDA	103	03.9820.14ACB	261	03.9903.14A	258	03.9943.14	280
03.9450.40ANI	251	03.9501.14	578	03.9660.40A	103	03.9820.14ADA	261	03.9903.14ACB	258	03.9943.40	280
03.9451.14A	251	03.9501.40	578	03.9660.40ACB	103	03.9820.40A	261	03.9903.14ADA	258	03.9943.EQ	280
03.9451.14ACB	251	03.9501.ET	578	03.9660.40BDA	103	03.9820.40ACB	261	03.9903.14ANI	258	03.9943.ER	280
03.9451.14ADA	251	03.9501.EU	578	03.9661.14A	103	03.9820.40ADA	261	03.9903.40A	258	03.9943.ES	280
03.9451.14ANI	251	03.9502.02	578	03.9661.14ACB	103	03.9821.14A	261	03.9903.40ACB	258	03.9950.14	276
03.9451.40A	251	03.9502.14	578	03.9661.14BDA	103	03.9821.14ACB	261	03.9903.40ADA	258	03.9950.40	276
03.9451.40ACB	251	03.9502.40	578	03.9661.40A	103	03.9821.14ADA	261	03.9903.40ANI	258	03.9950.EQ	276
03.9451.40ADA	251	03.9502.ET	578	03.9661.40ACB	103	03.9821.40A	261	03.9904.14A	104	03.9950.ER	276
03.9451.40ANI	251	03.9502.EU	578	03.9661.40BDA	103	03.9821.40ACB	261	03.9904.14ACB	104	03.9950.ES	276
03.9455.14A	252	03.9503.02	578	03.9664.14A	103	03.9821.40ADA	261	03.9904.14BDA	104	03.9951.14	276
03.9455.14ACB	252	03.9503.14	578	03.9664.14ACB	103	03.9825.14A	262	03.9904.40A	104	03.9951.40	276
03.9455.14ADA	252	03.9503.40	578	03.9664.14BDA	103	03.9825.14ACB	262	03.9904.40ACB	104	03.9951.EQ	276
03.9455.14ANI	252	03.9503.ET	578	03.9664.40A	103	03.9825.14ADA	262	03.9904.40BDA	104	03.9951.ER	276
03.9455.40A	252	03.9503.EU	578	03.9664.40ACB	103	03.9825.40A	262	03.9905.14A	104	03.9951.ES	276
03.9455.40ACB	252	03.9510.02	578	03.9664.40BDA	103	03.9825.40ACB	262	03.9905.14ACB	104	03.9952.14	276
03.9455.40ADA	252	03.9510.14	578	03.9665.14A	103	03.9825.40ADA	262	03.9905.14BDA	104	03.9952.40	276
03.9455.40ANI	252	03.9510.40	578	03.9665.14ACB	103	03.9826.14A	262	03.9905.40A	104	03.9952.EQ	276
03.9456.14A	252	03.9510.ET	578	03.9665.14BDA	103	03.9826.14ACB	262	03.9905.40ACB	104	03.9952.ER	276
03.9456.14ACB	252	03.9510.EU	578	03.9665.40A	103	03.9826.14ADA	262	03.9905.40BDA	104	03.9952.ES	276
03.9456.14ADA	252	03.9511.02	578	03.9665.40ACB	103	03.9826.40A	262	03.9910.14	276	03.9953.14	276
03.9456.14ANI	252	03.9511.14	578	03.9665.40BDA	103	03.9826.40ACB	262	03.9910.40	276	03.9953.40	276
03.9456.40A	252	03.9511.40	578	03.9720.14A	261	03.9826.40ADA	262	03.9910.EQ	276	03.9953.EQ	276
03.9456.40ACB	252	03.9511.ET	578	03.9720.14ACB	261	03.9830.14A	261	03.9910.ER	276	03.9953.ER	276
03.9456.40ADA	252	03.9511.EU	578	03.9720.14ADA	261	03.9830.14ACB	261	03.9910.ES	276	03.9953.ES	276
03.9456.40ANI	252	03.9560.02	579	03.9720.40A	261	03.9830.14ADA	261	03.9911.14	276	03.9954.14	276
03.9460.14A	255	03.9560.14	579	03.9720.40ACB	261	03.9830.40A	261	03.9911.40	276	03.9954.40	276
03.9460.14ACB	255	03.9560.40	579	03.9720.40ADA	261	03.9830.40ACB	261	03.9911.EQ	276	03.9954.EQ	276
03.9460.14ADA	255	03.9560.ET	579	03.9721.14A	261	03.9830.40ADA	261	03.9911.ER	276	03.9954.ER	276
03.9460.14ANI	255	03.9560.EU	579	03.9721.14ACB	261	03.9831.14A	261	03.9911.ES	276	03.9954.ES	276
03.9460.40A	255	03.9561.02	579	03.9721.14ADA	261	03.9831.14ACB	261	03.9912.14	276	03.9955.14	276
03.9460.40ACB	255	03.9561.14	579	03.9721.40A	261	03.9831.14ADA	261	03.9912.40	276	03.9955.40	276
03.9460.40ADA	255	03.9561.40	579	03.9721.40ACB	261	03.9831.40A	261	03.9912.EQ	276	03.9955.EQ	276
03.9460.40ANI	255	03.9561.ET	579	03.9721.40ADA	261	03.9831.40ACB	261	03.9912.ER	276	03.9955.ER	276
03.9461.14A	255	03.9561.EU	579	03.9725.14A	262	03.9831.40ADA	261	03.9912.ES	276	03.9955.ES	276
03.9461.14ACB	255	03.9570.02	579	03.9725.14ACB	262	03.9835.14A	262	03.9913.14	276	03.9956.14	276
03.9461.14ADA	255	03.9570.14	579	03.9725.14ADA	262	03.9835.14ACB	262	03.9913.40	276	03.9956.40	276
03.9461.14ANI	255	03.9570.40	579	03.9725.40A	262	03.9835.14ADA	262	03.9913.EQ	276	03.9956.EQ	276
03.9461.40A	255	03.9570.ET	579	03.9725.40ACB	262	03.9835.40A	262	03.9913.ER	276	03.9956.ER	276
03.9461.40ACB	255	03.9570.EU	579	03.9725.40ADA	262	03.9835.40ACB	262	03.9913.ES	276	03.9956.ES	276
03.9461.40ADA	255	03.9571.02	579	03.9726.14A	262	03.9835.40ADA	262	03.9920.14	278	03.9957.14	276
03.9461.40ANI	255	03.9571.14	579	03.9726.14ACB	262	03.9836.14A	262	03.9920.40	278	03.9957.40	276
03.9465.14A	256	03.9571.40	579	03.9726.14ADA	262	03.9836.14ACB	262	03.9920.EQ	278	03.9957.EQ	276
03.9465.14ACB	256	03.9571.ET	579	03.9726.40A	262	03.9836.14ADA	262	03.9920.ER	278	03.9957.ER	276
03.9465.14ADA	256	03.9571.EU	579	03.9726.40ACB	262	03.9836.40A	262	03.9920.ES	278	03.9957.ES	276
03.9465.14ANI	256	03.9620.14A	101	03.9726.40ADA	262	03.9836.40ACB	262	03.9921.14	278	03.9960.14	278
03.9465.40A	256	03.9620.14ACB	101	03.9730.14A	261	03.9836.40ADA	262	03.9921.40	278	03.9960.40	278
03.9465.40ACB	256	03.9620.14BDA	101	03.9730.14ACB	261	03.9860.14A	263	03.9921.EQ	278	03.9960.EQ	278
03.9465.40ADA	256	03.9620.40A	101	03.9730.14ADA	261	03.9860.14ACB	263	03.9921.ER	278	03.9960.ER	278
03.9465.40ANI	256	03.9620.40ACB	101	03.9730.40A	261	03.9860.14ADA	263	03.9921.ES	278	03.9960.ES	278
03.9466.14A	256	03.9620.40BDA	101	03.9730.40ACB	261	03.9860.40A	263	03.9922.14	278	03.9961.14	278
03.9466.14ACB	256	03.9621.14A	101	03.9730.40ADA	261	03.9860.40ACB	263	03.9922.40	278	03.9961.40	278
03.9466.14ADA	256	03.9621.14ACB	101	03.9731.14A	261	03.9860.40ADA	263	03.9922.EQ	278	03.9961.EQ	278
03.9466.14ANI	256	03.9621.14BDA	101	03.9731.14ACB	261	03.9861.14A	263	03.9922.ER	278	03.9961.ER	278
03.9466.40A	256	03.9621.40A	101	03.9731.14ADA	261	03.9861.14ACB	263	03.9922.ES	278	03.9961.ES	278
03.9466.40ACB	256	03.9621.40ACB	101	03.9731.40A	261	03.9861.14ADA	263	03.9923.14	279	03.9962.14	278
03.9466.40ADA	256	03.9621.40BDA	101	03.9731.40ACB	261	03.9861.40A	263	03.9923.40	279	03.9962.40	278
03.9466.40ANI	256	03.9625.14A	102	03.9731.40ADA	261	03.9861.40ACB	263	03.9923.EQ	279	03.9962.EQ	278
03.9470.14A	255	03.9625.14ACB	102	03.9735.14A	262	03.9861.40ADA	263	03.9923.ER	279	03.9962.ER	278
03.9470.14ACB	255	03.9625.14BDA	102	03.9735.14ACB	262	03.9864.14A	263	03.9923.ES	279	03.9962.ES	278
03.9470.14ADA	255	03.9625.40A	102	03.9735.14ADA	262	03.9864.14ACB	263	03.9924.14	278	03.9963.14	279
03.9470.14ANI	255	03.9625.40ACB	102	03.9735.40A	262	03.9864.14ADA	263	03.9924.40	278	03.9963.40	279
03.9470.40A	255	03.9625.40BDA	102	03.9735.40ACB	262	03.9864.40A	263	03.9924.EQ	278	03.9963.EQ	279
03.9470.40ACB	255	03.9626.14A	102	03.9735.40ADA	262	03.9864.40ACB	263	03.9924.ER	278	03.9963.ER	279
03.9470.40ADA	255	03.9626.14ACB	102	03.9736.14A	262	03.9864.40ADA	263	03.9924.ES	278	03.9963.ES	279
03.9470.40ANI	255	03.9626.14BDA	102	03.9736.14ACB	262	03.9865.14A	263	03.9931.14A	277	03.9964.14	278
03.9471.14A	255	03.9626.40A	102	03.9736.14ADA	262	03.9865.14ACB	263	03.9931.40A	277	03.9964.40	278
03.9471.14ACB	255	03.9626.40ACB	102	03.9736.40A	262	03.9865.14ADA	263	03.9931.EQA	277	03.9964.EQ	278
03.9471.14ADA	255	03.9626.40BDA	102	03.9736.40ACB	262	03.9865.40A	263	03.9931.ERA	277	03.9964.ER	278
03.9471.14ANI	255	03.9630.14A	101	03.9736.40ADA	262	03.9865.40ACB	263	03.9931.ESA	277	03.9964.ES	278
03.9471.40A	255	03.9630.14ACB	101	03.9760.14A	263	03.9865.40ADA	263	03.9932.14A	277	03.9965.14	278
03.9471.40ACB	255	03.9630.14BDA	101	03.9760.14ACB	263	03.9900.14A	258	03.9932.40A	277	03.9965.40	278
03.9471.40ADA	255	03.9630.40A	101	03.9760.14ADA	263	03.9900.14ACB	258	03.9932.EQA	277	03.9965.EQ	278
03.9471.40ANI	255	03.9630.40ACB	101	03.9760.40A	263	03.9900.14ADA	258	03.9932.ERA	277	03.9965.ER	278
03.9475.14A	256	03.9630.40BDA	101	03.9760.40ACB	263	03.9900.14ANI	258	03.9932.ESA	277	03.9965.ES	278
03.9475.14ACB	256	03.9631.14A	101	03.9760.40ADA	263	03.9900.40A	258	03.9933.14A	277	03.9966.14	278
03.9475.14ADA	256	03.9631.14ACB	101	03.9761.14A	263	03.9900.40ACB	258	03.9933.40A	277	03.9966.40	278
03.9475.14ANI	256	03.9631.14BDA	101	03.9761.14ACB	263	03.9900.40ADA	258	03.9933.EQA	277	03.9966.EQ	278
03.9475.40A	256	03.9631.40A	101	03.9761.14ADA	263	03.9900.40ANI	258	03.9933.ERA	277	03.9966.ER	278
03.9475.40ACB	256	03.9631.40ACB	101	03.9761.40A	263	03.9901.14A	258	03.9933.ESA	277	03.9966.ES	278
03.9475.40ADA	256	03.9631.40BDA	101	03.9761.40ACB	263	03.9901.14ACB	258	03.9940.14	280	03.9967.14	279
03.9475.40ANI	256	03.9635.14A	102	03.9761.40ADA	263	03.9901.14ADA	258	03.9940.40	280	03.9967.40	279

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03.9967.ER	279	04.6021.08.NT	476	05.0601.40.CB	194	05.0613.40	195	05.0625.14.NI	196	05.0637.14.DA	197
03.9967.ES	279	04.6021.14	476	05.0601.40.DA	194	05.0613.40.CB	195	05.0625.40	196	05.0637.14.NI	197
03.9968.14	278	04.6021.14.NT	476	05.0601.40.NI	194	05.0613.40.DA	195	05.0625.40.CB	196	05.0637.40	197
03.9968.40	278	04.6021.20	476	05.0602.14	194	05.0613.40.NI	195	05.0625.40.DA	196	05.0637.40.CB	197
03.9968.EQ	278	04.6021.20.NT	476	05.0602.14.CB	194	05.0614.14	195	05.0625.40.NI	196	05.0637.40.DA	197
03.9968.ER	278	04.6022.08	476	05.0602.14.DA	194	05.0614.14.CB	195	05.0626.14	196	05.0637.40.NI	197
03.9968.ES	278	04.6022.08.NT	476	05.0602.14.NI	194	05.0614.14.DA	195	05.0626.14.CB	196	05.0638.14	197
03.9969.14	278	04.6022.14	476	05.0602.40	194	05.0614.14.NI	195	05.0626.14.DA	196	05.0638.14.CB	197
03.9969.40	278	04.6022.14.NT	476	05.0602.40.CB	194	05.0614.40	195	05.0626.14.NI	196	05.0638.14.DA	197
03.9969.EQ	278	04.6022.20	476	05.0602.40.DA	194	05.0614.40.CB	195	05.0626.40	196	05.0638.14.NI	197
03.9969.ER	278	04.6022.20.NT	476	05.0602.40.NI	194	05.0614.40.DA	195	05.0626.40.CB	196	05.0638.40	197
03.9969.ES	278	04.6300.08	481	05.0603.14	194	05.0614.40.NI	195	05.0626.40.DA	196	05.0638.40.CB	197
03.9971.14A	277	04.6300.14	481	05.0603.14.CB	194	05.0615.14	195	05.0626.40.NI	196	05.0638.40.DA	197
03.9971.40A	277	04.6300.20	481	05.0603.14.DA	194	05.0615.14.CB	195	05.0627.14	196	05.0638.40.NI	197
03.9971.EQA	277	04.6301.08	482	05.0603.14.NI	194	05.0615.14.DA	195	05.0627.14.CB	196	05.0639.14	197
03.9971.ERA	277	04.6301.14	482	05.0603.40	194	05.0615.14.NI	195	05.0627.14.DA	196	05.0639.14.CB	197
03.9971.ESA	277	04.6301.20	482	05.0603.40.CB	194	05.0615.40	195	05.0627.14.NI	196	05.0639.14.DA	197
03.9972.14A	277	04.6302.08	483	05.0603.40.DA	194	05.0615.40.CB	195	05.0627.40	196	05.0639.14.NI	197
03.9972.40A	277	04.6302.14	483	05.0603.40.NI	194	05.0615.40.DA	195	05.0627.40.CB	196	05.0639.40	197
03.9972.EQA	277	04.6302.20	483	05.0604.14	194	05.0615.40.NI	195	05.0627.40.DA	196	05.0639.40.CB	197
03.9972.ERA	277	04.6305.08	481	05.0604.14.CB	194	05.0616.14	195	05.0627.40.NI	196	05.0639.40.DA	197
03.9972.ESA	277	04.6305.14	481	05.0604.14.DA	194	05.0616.14.CB	195	05.0628.14	196	05.0639.40.NI	197
03.9973.14A	277	04.6305.20	481	05.0604.14.NI	194	05.0616.14.DA	195	05.0628.14.CB	196	05.0640.14	214
03.9973.40A	277	04.6306.08	482	05.0604.40	194	05.0616.14.NI	195	05.0628.14.DA	196	05.0640.14.CB	214
03.9973.EQA	277	04.6306.14	482	05.0604.40.CB	194	05.0616.40	195	05.0628.14.NI	196	05.0640.14.DA	214
03.9973.ERA	277	04.6306.20	482	05.0604.40.DA	194	05.0616.40.CB	195	05.0628.40	196	05.0640.14.NI	214
03.9973.ESA	277	04.6307.08	483	05.0604.40.NI	194	05.0616.40.DA	195	05.0628.40.CB	196	05.0640.40	214
03.9976.14A	277	04.6307.14	483	05.0605.14	194	05.0616.40.NI	195	05.0628.40.DA	196	05.0640.40.CB	214
03.9976.40A	277	04.6307.20	483	05.0605.14.CB	194	05.0617.14	195	05.0628.40.NI	196	05.0640.40.DA	214
03.9976.EQA	277	04.6330.08B	481	05.0605.14.DA	194	05.0617.14.CB	195	05.0629.14	196	05.0640.40.NI	214
03.9976.ERA	277	04.6330.14B	481	05.0605.14.NI	194	05.0617.14.DA	195	05.0629.14.CB	196	05.0641.14	214
03.9976.ESA	277	04.6330.20B	481	05.0605.40	194	05.0617.14.NI	195	05.0629.14.DA	196	05.0641.14.CB	214
03.9977.14A	277	04.6333.08B	482	05.0605.40.CB	194	05.0617.40	195	05.0629.14.NI	196	05.0641.14.DA	214
03.9977.40A	277	04.6333.14B	482	05.0605.40.DA	194	05.0617.40.CB	195	05.0629.40	196	05.0641.14.NI	214
03.9977.EQA	277	04.6333.20B	482	05.0605.40.NI	194	05.0617.40.DA	195	05.0629.40.CB	196	05.0641.40	214
03.9977.ERA	277	04.6334.08B	482	05.0606.14	194	05.0617.40.NI	195	05.0629.40.DA	196	05.0641.40.CB	214
03.9977.ESA	277	04.6334.14B	482	05.0606.14.CB	194	05.0618.14	195	05.0629.40.NI	196	05.0641.40.DA	214
03.9978.14A	277	04.6334.20B	482	05.0606.14.DA	194	05.0618.14.CB	195	05.0630.14	197	05.0641.40.NI	214
03.9978.40A	277	04.6335.08B	482	05.0606.14.NI	194	05.0618.14.DA	195	05.0630.14.CB	197	05.0642.14	214
03.9978.EQA	277	04.6335.14B	482	05.0606.40	194	05.0618.14.NI	195	05.0630.14.DA	197	05.0642.14.CB	214
03.9978.ERA	277	04.6335.20B	482	05.0606.40.CB	194	05.0618.40	195	05.0630.14.NI	197	05.0642.14.DA	214
03.9978.ESA	277	04.6336.08B	483	05.0606.40.DA	194	05.0618.40.CB	195	05.0630.40	197	05.0642.14.NI	214
03.9980.14	280	04.6336.14B	483	05.0606.40.NI	194	05.0618.40.DA	195	05.0630.40.CB	197	05.0642.40	214
03.9980.40	280	04.6336.20B	483	05.0607.14	194	05.0618.40.NI	195	05.0630.40.DA	197	05.0642.40.CB	214
03.9980.EQ	280	04.6337.08B	483	05.0607.14.CB	194	05.0619.14	195	05.0630.40.NI	197	05.0642.40.DA	214
03.9980.ER	280	04.6337.14B	483	05.0607.14.DA	194	05.0619.14.CB	195	05.0631.14	197	05.0642.40.NI	214
03.9980.ES	280	04.6337.20B	483	05.0607.14.NI	194	05.0619.14.DA	195	05.0631.14.CB	197	05.0643.14	214
03.9981.14	280	04.6338.08B	483	05.0607.40	194	05.0619.14.NI	195	05.0631.14.DA	197	05.0643.14.CB	214
03.9981.40	280	04.6338.14B	483	05.0607.40.CB	194	05.0619.40	195	05.0631.14.NI	197	05.0643.14.DA	214
03.9981.EQ	280	04.6338.20B	483	05.0607.40.DA	194	05.0619.40.CB	195	05.0631.40	197	05.0643.14.NI	214
03.9981.ER	280	04.6470.08B	474	05.0607.40.NI	194	05.0619.40.DA	195	05.0631.40.CB	197	05.0643.40	214
03.9981.ES	280	04.6470.14B	474	05.0608.14	194	05.0619.40.NI	195	05.0631.40.DA	197	05.0643.40.CB	214
03.9982.14	280	04.6470.14BNT	474	05.0608.14.CB	194	05.0620.14	196	05.0631.40.NI	197	05.0643.40.DA	214
03.9982.40	280	04.6470.20B	474	05.0608.14.DA	194	05.0620.14.CB	196	05.0632.14	197	05.0643.40.NI	214
03.9982.EQ	280	04.6471.08B	474	05.0608.14.NI	194	05.0620.14.DA	196	05.0632.14.CB	197	05.0644.14	214
03.9982.ER	280	04.6471.14B	474	05.0608.40	194	05.0620.14.NI	196	05.0632.14.DA	197	05.0644.14.CB	214
03.9982.ES	280	04.6471.14BNT	474	05.0608.40.CB	194	05.0620.40	196	05.0632.14.NI	197	05.0644.14.DA	214
03.9983.14	280	04.6471.20B	474	05.0608.40.DA	194	05.0620.40.CB	196	05.0632.40	197	05.0644.14.NI	214
03.9983.40	280	04.6475.08B	474	05.0608.40.NI	194	05.0620.40.DA	196	05.0632.40.CB	197	05.0644.40	214
03.9983.EQ	280	04.6475.14B	474	05.0609.14	194	05.0620.40.NI	196	05.0632.40.DA	197	05.0644.40.CB	214
03.9983.ER	280	04.6475.14BNT	474	05.0609.14.CB	194	05.0621.14	196	05.0632.40.NI	197	05.0644.40.DA	214
03.9983.ES	280	04.6475.20B	474	05.0609.14.DA	194	05.0621.14.CB	196	05.0633.14	197	05.0644.40.NI	214
03.9985.14	280	04.6476.08B	474	05.0609.14.NI	194	05.0621.14.DA	196	05.0633.14.CB	197	05.0645.14	214
03.9985.40	280	04.6476.14B	474	05.0609.40	194	05.0621.14.NI	196	05.0633.14.DA	197	05.0645.14.CB	214
03.9985.EQ	280	04.6476.14BNT	474	05.0609.40.CB	194	05.0621.40	196	05.0633.14.NI	197	05.0645.14.DA	214
03.9985.ER	280	04.6476.20B	474	05.0609.40.DA	194	05.0621.40.CB	196	05.0633.40	197	05.0645.14.NI	214
03.9985.ES	280	04.6480.08B	475	05.0609.40.NI	194	05.0621.40.DA	196	05.0633.40.CB	197	05.0645.40	214
03.9986.14	280	04.6480.14B	475	05.0610.14	195	05.0621.40.NI	196	05.0633.40.DA	197	05.0645.40.CB	214
03.9986.40	280	04.6480.14BNT	475	05.0610.14.CB	195	05.0622.14	196	05.0633.40.NI	197	05.0645.40.DA	214
03.9986.EQ	280	04.6480.20B	475	05.0610.14.DA	195	05.0622.14.CB	196	05.0634.14	197	05.0645.40.NI	214
03.9986.ER	280	04.6481.08B	475	05.0610.14.NI	195	05.0622.14.DA	196	05.0634.14.CB	197	05.0646.14	214
03.9986.ES	280	04.6481.14B	475	05.0610.40	195	05.0622.14.NI	196	05.0634.14.DA	197	05.0646.14.CB	214
03.9987.14	280	04.6481.14BNT	475	05.0610.40.CB	195	05.0622.40	196	05.0634.14.NI	197	05.0646.14.DA	214
03.9987.40	280	04.6481.20B	475	05.0610.40.DA	195	05.0622.40.CB	196	05.0634.40	197	05.0646.14.NI	214
03.9987.EQ	280	04.6485.08B	475	05.0610.40.NI	195	05.0622.40.DA	196	05.0634.40.CB	197	05.0646.40	214
03.9987.ER	280	04.6485.14B	475	05.0611.14	195	05.0622.40.NI	196	05.0634.40.DA	197	05.0646.40.CB	214
03.9987.ES	280	04.6485.14BNT	475	05.0611.14.CB	195	05.0623.14	196	05.0634.40.NI	197	05.0646.40.DA	214
03.9988.14	280	04.6485.20B	475	05.0611.14.DA	195	05.0623.14.CB	196	05.0635.14	197	05.0646.40.NI	214
03.9988.40	280	04.6486.08B	475	05.0611.14.NI	195	05.0623.14.DA	196	05.0635.14.CB	197	05.0647.14	214
03.9988.EQ	280	04.6486.14B	475	05.0611.40	195	05.0623.14.NI	196	05.0635.14.DA	197	05.0647.14.CB	214
03.9988.ER	280	04.6486.14BNT	475	05.0611.40.CB	195	05.0623.40	196	05.0635.14.NI	197	05.0647.14.DA	214
03.9988.ES	280	04.6486.20B	475	05.0611.40.DA	195	05.0623.40.CB	196	05.0635.40	197	05.0647.14.NI	214
04.6001.08	477	05.0600.14	194	05.0611.40.NI	195	05.0623.40.DA	196	05.0635.40.CB	197	05.0647.40	214
04.6001.08.NT	477	05.0600.14.CB	194	05.0612.14	195	05.0623.40.NI	196	05.0635.40.DA	197	05.0647.40.CB	214
04.6001.14	477	05.0600.14.DA	194	05.0612.14.CB	195	05.0624.14	196	05.0635.40.NI	197	05.0647.40.DA	214
04.6001.14.NT	477	05.0600.14.NI	194	05.0612.14.DA	195	05.0624.14.CB	196	05.0636.14	197	05.0647.40.NI	214
04.6001.20	477	05.0600.40	194	05.0612.14.NI	195	05.0624.14.DA	196	05.0636.14.CB	197	05.0648.14	214
04.6001.20.NT	477	05.0600.40.CB	194	05.0612.40	195	05.0624.14.NI	196	05.0636.14.DA	197	05.0648.14.CB	214
04.6002.08	477	05.0600.40.DA	194	05.0612.40.CB	195	05.0624.40	196	05.0636.14.NI	197	05.0648.14.DA	214
04.6002.08.NT	477	05.0600.40.NI	194	05.0612.40.DA	195	05.0624.40.CB	196	05.0636.40	197	05.0648.14.NI	214
04.6002.14	477	05.0601.14	194	05.0612.40.NI	195	05.0624.40.DA	196	05.0636.40.CB	197	05.0648.40	214
04.6002.14.NT	477	05.0601.14.CB	194	05.0613.14	195	05.0624.40.NI	196	05.0636.40.DA	197	05.0648.40.CB	214
04.6002.20	477	05.0601.14.DA	194	05.0613.14.CB	195	05.0625.14	196	05.0636.40.NI	197	05.0648.40.DA	214
04.6002.20.NT	477	05.0601.14.NI	194	05.0613.14.DA	195	05.0625.14.CB	196	05.0637.14	197	05.0648.40.NI	214

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.0649.14	214	05.0660.40.NI	216	05.0672.40.DA	217	05.0710.14.DA	265	05.0736.14	267	05.0761.40.NI	266
05.0649.14.CB	214	05.0661.14	216	05.0672.40.NI	217	05.0710.14.NI	265	05.0736.14.DA	267	05.0762.14	266
05.0649.14.DA	214	05.0661.14.CB	216	05.0673.14	217	05.0710.40	265	05.0736.14.NI	267	05.0762.14.DA	266
05.0649.14.NI	214	05.0661.14.DA	216	05.0673.14.CB	217	05.0710.40.DA	265	05.0736.40	267	05.0762.14.NI	266
05.0649.40	214	05.0661.14.NI	216	05.0673.14.DA	217	05.0710.40.NI	265	05.0736.40.DA	267	05.0763.14	266
05.0649.40.CB	214	05.0661.40	216	05.0673.14.NI	217	05.0711.14	265	05.0736.40.NI	267	05.0763.14.DA	266
05.0649.40.DA	214	05.0661.40.CB	216	05.0673.40	217	05.0711.14.DA	265	05.0737.40	267	05.0763.14.NI	266
05.0649.40.NI	214	05.0661.40.DA	216	05.0673.40.CB	217	05.0711.14.NI	265	05.0737.40.DA	267	05.0765.14	266
05.0650.14	215	05.0661.40.NI	216	05.0673.40.DA	217	05.0711.40	265	05.0737.40.NI	267	05.0765.14.DA	266
05.0650.14.CB	215	05.0662.14	216	05.0673.40.NI	217	05.0711.40.DA	265	05.0738.40	267	05.0765.14.NI	266
05.0650.14.DA	215	05.0662.14.CB	216	05.0674.14	217	05.0711.40.NI	265	05.0738.40.DA	267	05.0765.40	266
05.0650.14.NI	215	05.0662.14.DA	216	05.0674.14.CB	217	05.0712.40	265	05.0738.40.NI	267	05.0765.40.DA	266
05.0650.40	215	05.0662.14.NI	216	05.0674.14.DA	217	05.0712.40.DA	265	05.0740.14	264	05.0765.40.NI	266
05.0650.40.CB	215	05.0662.40	216	05.0674.14.NI	217	05.0712.40.NI	265	05.0740.14.DA	264	05.0766.14	266
05.0650.40.DA	215	05.0662.40.CB	216	05.0674.40	217	05.0713.40	265	05.0740.14.NI	264	05.0766.14.DA	266
05.0650.40.NI	215	05.0662.40.DA	216	05.0674.40.CB	217	05.0713.40.DA	265	05.0740.40	264	05.0766.14.NI	266
05.0651.14	215	05.0662.40.NI	216	05.0674.40.DA	217	05.0713.40.NI	265	05.0740.40.DA	264	05.0766.40	266
05.0651.14.CB	215	05.0663.14	216	05.0674.40.NI	217	05.0715.14	265	05.0740.40.NI	264	05.0766.40.DA	266
05.0651.14.DA	215	05.0663.14.CB	216	05.0675.14	217	05.0715.14.DA	265	05.0741.14	264	05.0766.40.NI	266
05.0651.14.NI	215	05.0663.14.DA	216	05.0675.14.CB	217	05.0715.14.NI	265	05.0741.14.DA	264	05.0767.14	266
05.0651.40	215	05.0663.14.NI	216	05.0675.14.DA	217	05.0715.40	265	05.0741.14.NI	264	05.0767.14.DA	266
05.0651.40.CB	215	05.0663.40	216	05.0675.14.NI	217	05.0715.40.DA	265	05.0741.40	264	05.0767.14.NI	266
05.0651.40.DA	215	05.0663.40.CB	216	05.0675.40	217	05.0715.40.NI	265	05.0741.40.DA	264	05.0768.14	266
05.0651.40.NI	215	05.0663.40.DA	216	05.0675.40.CB	217	05.0716.14	265	05.0741.40.NI	264	05.0768.14.DA	266
05.0652.14	215	05.0663.40.NI	216	05.0675.40.DA	217	05.0716.14.DA	265	05.0742.14	264	05.0768.14.NI	266
05.0652.14.CB	215	05.0664.14	216	05.0675.40.NI	217	05.0716.14.NI	265	05.0742.14.DA	264	05.0770.14	267
05.0652.14.DA	215	05.0664.14.CB	216	05.0676.14	217	05.0716.40	265	05.0742.14.NI	264	05.0770.14.DA	267
05.0652.14.NI	215	05.0664.14.DA	216	05.0676.14.CB	217	05.0716.40.DA	265	05.0743.14	264	05.0770.14.NI	267
05.0652.40	215	05.0664.14.NI	216	05.0676.14.DA	217	05.0716.40.NI	265	05.0743.14.DA	264	05.0770.40	267
05.0652.40.CB	215	05.0664.40	216	05.0676.14.NI	217	05.0717.40	265	05.0743.14.NI	264	05.0770.40.DA	267
05.0652.40.DA	215	05.0664.40.CB	216	05.0676.40	217	05.0717.40.DA	265	05.0745.14	264	05.0770.40.NI	267
05.0652.40.NI	215	05.0664.40.DA	216	05.0676.40.CB	217	05.0717.40.NI	265	05.0745.14.DA	264	05.0771.14	267
05.0653.14	215	05.0664.40.NI	216	05.0676.40.DA	217	05.0718.40	265	05.0745.14.NI	264	05.0771.14.DA	267
05.0653.14.CB	215	05.0665.14	216	05.0676.40.NI	217	05.0718.40.DA	265	05.0745.40	264	05.0771.14.NI	267
05.0653.14.DA	215	05.0665.14.CB	216	05.0677.14	217	05.0718.40.NI	265	05.0745.40.DA	264	05.0771.40	267
05.0653.14.NI	215	05.0665.14.DA	216	05.0677.14.CB	217	05.0720.14	266	05.0745.40.NI	264	05.0771.40.DA	267
05.0653.40	215	05.0665.14.NI	216	05.0677.14.DA	217	05.0720.14.DA	266	05.0746.14	264	05.0771.40.NI	267
05.0653.40.CB	215	05.0665.40	216	05.0677.14.NI	217	05.0720.14.NI	266	05.0746.14.DA	264	05.0772.14	267
05.0653.40.DA	215	05.0665.40.CB	216	05.0677.40	217	05.0720.40	266	05.0746.14.NI	264	05.0772.14.DA	267
05.0653.40.NI	215	05.0665.40.DA	216	05.0677.40.CB	217	05.0720.40.DA	266	05.0746.40	264	05.0772.14.NI	267
05.0654.14	215	05.0665.40.NI	216	05.0677.40.DA	217	05.0720.40.NI	266	05.0746.40.DA	264	05.0773.14	267
05.0654.14.CB	215	05.0666.14	216	05.0677.40.NI	217	05.0721.14	266	05.0746.40.NI	264	05.0773.14.DA	267
05.0654.14.DA	215	05.0666.14.CB	216	05.0678.14	217	05.0721.14.DA	266	05.0747.14	264	05.0773.14.NI	267
05.0654.14.NI	215	05.0666.14.DA	216	05.0678.14.CB	217	05.0721.14.NI	266	05.0747.14.DA	264	05.0775.14	267
05.0654.40	215	05.0666.14.NI	216	05.0678.14.DA	217	05.0721.40	266	05.0747.14.NI	264	05.0775.14.DA	267
05.0654.40.CB	215	05.0666.40	216	05.0678.14.NI	217	05.0721.40.DA	266	05.0748.14	264	05.0775.14.NI	267
05.0654.40.DA	215	05.0666.40.CB	216	05.0678.40	217	05.0721.40.NI	266	05.0748.14.DA	264	05.0775.40	267
05.0654.40.NI	215	05.0666.40.DA	216	05.0678.40.CB	217	05.0722.40	266	05.0748.14.NI	264	05.0775.40.DA	267
05.0655.14	215	05.0666.40.NI	216	05.0678.40.DA	217	05.0722.40.DA	266	05.0750.14	265	05.0775.40.NI	267
05.0655.14.CB	215	05.0667.14	216	05.0678.40.NI	217	05.0722.40.NI	266	05.0750.14.DA	265	05.0776.14	267
05.0655.14.DA	215	05.0667.14.CB	216	05.0679.14	217	05.0723.40	266	05.0750.14.NI	265	05.0776.14.DA	267
05.0655.14.NI	215	05.0667.14.DA	216	05.0679.14.CB	217	05.0723.40.DA	266	05.0750.40	265	05.0776.14.NI	267
05.0655.40	215	05.0667.14.NI	216	05.0679.14.DA	217	05.0723.40.NI	266	05.0750.40.DA	265	05.0776.40	267
05.0655.40.CB	215	05.0667.40	216	05.0679.14.NI	217	05.0725.14	266	05.0750.40.NI	265	05.0776.40.DA	267
05.0655.40.DA	215	05.0667.40.CB	216	05.0679.40	217	05.0725.14.DA	266	05.0751.14	265	05.0776.40.NI	267
05.0655.40.NI	215	05.0667.40.DA	216	05.0679.40.CB	217	05.0725.14.NI	266	05.0751.14.DA	265	05.0777.14	267
05.0656.14	215	05.0667.40.NI	216	05.0679.40.DA	217	05.0725.40	266	05.0751.14.NI	265	05.0777.14.DA	267
05.0656.14.CB	215	05.0668.14	216	05.0679.40.NI	217	05.0725.40.DA	266	05.0751.40	265	05.0777.14.NI	267
05.0656.14.DA	215	05.0668.14.CB	216	05.0700.14	264	05.0725.40.NI	266	05.0751.40.DA	265	05.0778.14	267
05.0656.14.NI	215	05.0668.14.DA	216	05.0700.14.DA	264	05.0726.14	266	05.0751.40.NI	265	05.0778.14.DA	267
05.0656.40	215	05.0668.14.NI	216	05.0700.14.NI	264	05.0726.14.DA	266	05.0752.14	265	05.0778.14.NI	267
05.0656.40.CB	215	05.0668.40	216	05.0700.40	264	05.0726.14.NI	266	05.0752.14.DA	265	05.0800.14	264
05.0656.40.DA	215	05.0668.40.CB	216	05.0700.40.DA	264	05.0726.40	266	05.0752.14.NI	265	05.0800.14.DA	264
05.0656.40.NI	215	05.0668.40.DA	216	05.0700.40.NI	264	05.0726.40.DA	266	05.0753.14	265	05.0800.14.NI	264
05.0657.14	215	05.0668.40.NI	216	05.0701.14	264	05.0726.40.NI	266	05.0753.14.DA	265	05.0801.14	264
05.0657.14.CB	215	05.0669.14	216	05.0701.14.DA	264	05.0727.40	266	05.0753.14.NI	265	05.0801.14.DA	264
05.0657.14.DA	215	05.0669.14.CB	216	05.0701.14.NI	264	05.0727.40.DA	266	05.0755.14	265	05.0801.14.NI	264
05.0657.14.NI	215	05.0669.14.DA	216	05.0701.40	264	05.0727.40.NI	266	05.0755.14.DA	265	05.0805.14	264
05.0657.40	215	05.0669.14.NI	216	05.0701.40.DA	264	05.0728.40	266	05.0755.14.NI	265	05.0805.14.DA	264
05.0657.40.CB	215	05.0669.40	216	05.0701.40.NI	264	05.0728.40.DA	266	05.0755.40	265	05.0805.14.NI	264
05.0657.40.DA	215	05.0669.40.CB	216	05.0702.40	264	05.0728.40.NI	266	05.0755.40.DA	265	05.0806.14	264
05.0657.40.NI	215	05.0669.40.DA	216	05.0702.40.DA	264	05.0730.14	267	05.0755.40.NI	265	05.0806.14.DA	264
05.0658.14	215	05.0669.40.NI	216	05.0702.40.NI	264	05.0730.14.DA	267	05.0756.14	265	05.0806.14.NI	264
05.0658.14.CB	215	05.0670.14	217	05.0703.40	264	05.0730.14.NI	267	05.0756.14.DA	265	05.0810.14	265
05.0658.14.DA	215	05.0670.14.CB	217	05.0703.40.DA	264	05.0730.40	267	05.0756.14.NI	265	05.0810.14.DA	265
05.0658.14.NI	215	05.0670.14.DA	217	05.0703.40.NI	264	05.0730.40.DA	267	05.0756.40	265	05.0810.14.NI	265
05.0658.40	215	05.0670.14.NI	217	05.0705.14	264	05.0730.40.NI	267	05.0756.40.DA	265	05.0811.14	265
05.0658.40.CB	215	05.0670.40	217	05.0705.14.DA	264	05.0731.14	267	05.0756.40.NI	265	05.0811.14.DA	265
05.0658.40.DA	215	05.0670.40.CB	217	05.0705.14.NI	264	05.0731.14.DA	267	05.0757.14	265	05.0811.14.NI	265
05.0658.40.NI	215	05.0670.40.DA	217	05.0705.40	264	05.0731.14.NI	267	05.0757.14.DA	265	05.0815.14	265
05.0659.14	215	05.0670.40.NI	217	05.0705.40.DA	264	05.0731.40	267	05.0757.14.NI	265	05.0815.14.DA	265
05.0659.14.CB	215	05.0671.14	217	05.0705.40.NI	264	05.0731.40.DA	267	05.0758.14	265	05.0815.14.NI	265
05.0659.14.DA	215	05.0671.14.CB	217	05.0706.14	264	05.0731.40.NI	267	05.0758.14.DA	265	05.0816.14	265
05.0659.14.NI	215	05.0671.14.DA	217	05.0706.14.DA	264	05.0732.40	267	05.0758.14.NI	265	05.0816.14.DA	265
05.0659.40	215	05.0671.14.NI	217	05.0706.14.NI	264	05.0732.40.DA	267	05.0760.14	266	05.0816.14.NI	265
05.0659.40.CB	215	05.0671.40	217	05.0706.40	264	05.0732.40.NI	267	05.0760.14.DA	266	05.0820.14	266
05.0659.40.DA	215	05.0671.40.CB	217	05.0706.40.DA	264	05.0733.40	267	05.0760.14.NI	266	05.0820.14.DA	266
05.0659.40.NI	215	05.0671.40.DA	217	05.0706.40.NI	264	05.0733.40.DA	267	05.0760.40	266	05.0820.14.NI	266
05.0660.14	216	05.0671.40.NI	217	05.0707.40	264	05.0733.40.NI	267	05.0760.40.DA	266	05.0821.14	266
05.0660.14.CB	216	05.0672.14	217	05.0707.40.DA	264	05.0735.14	267	05.0760.40.NI	266	05.0821.14.DA	266
05.0660.14.DA	216	05.0672.14.CB	217	05.0707.40.NI	264	05.0735.14.DA	267	05.0761.14	266	05.0821.14.NI	266
05.0660.14.NI	216	05.0672.14.DA	217	05.0708.40	264	05.0735.14.NI	267	05.0761.14.DA	266	05.0825.14	266
05.0660.40	216	05.0672.14.NI	217	05.0708.40.DA	264	05.0735.40	267	05.0761.14.NI	266	05.0825.14.DA	266
05.0660.40.CB	216	05.0672.40	217	05.0708.40.NI	264	05.0735.40.DA	267	05.0761.40	266	05.0825.14.NI	266
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05.0830.14.NI	267	05.0930.14.DA	267	05.1006.40A	186	05.1026.14ANI	188	05.1046.14ADA	206	05.1066.14ACB	208
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05.0831.14.DA	267	05.0931.14	267	05.1006.40ADA	186	05.1026.40ACB	188	05.1046.40A	206	05.1066.14ANI	208
05.0831.14.NI	267	05.0931.14.DA	267	05.1006.40ANI	186	05.1026.40ADA	188	05.1046.40ACB	206	05.1066.40A	208
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05.0835.14.NI	267	05.0935.14.DA	267	05.1007.14ADA	186	05.1027.14ACB	188	05.1047.14A	206	05.1066.40ANI	208
05.0836.14	267	05.0935.14.NI	267	05.1007.14ANI	186	05.1027.14ADA	188	05.1047.14ACB	206	05.1067.14A	208
05.0836.14.DA	267	05.0936.14	267	05.1007.40A	186	05.1027.14ANI	188	05.1047.14ADA	206	05.1067.14ACB	208
05.0836.14.NI	267	05.0936.14.DA	267	05.1007.40ACB	186	05.1027.40A	188	05.1047.14ANI	206	05.1067.14ADA	208
05.0840.14	264	05.0936.14.NI	267	05.1007.40ADA	186	05.1027.40ACB	188	05.1047.40A	206	05.1067.14ANI	208
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05.0840.14.NI	264	05.0940.14.DA	264	05.1010.14A	187	05.1027.40ANI	188	05.1047.40ADA	206	05.1067.40ACB	208
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05.0841.14.NI	264	05.0941.14.DA	264	05.1010.14ANI	187	05.1030.14ADA	189	05.1050.14ACB	207	05.1070.14A	209
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05.0845.14.DA	264	05.0945.14	264	05.1010.40ACB	187	05.1030.40A	189	05.1050.14ANI	207	05.1070.14ADA	209
05.0845.14.NI	264	05.0945.14.DA	264	05.1010.40ADA	187	05.1030.40ACB	189	05.1050.40A	207	05.1070.14ANI	209
05.0846.14	264	05.0945.14.NI	264	05.1010.40ANI	187	05.1030.40ADA	189	05.1050.40ACB	207	05.1070.40A	209
05.0846.14.DA	264	05.0946.14	264	05.1011.14A	187	05.1030.40ANI	189	05.1050.40ADA	207	05.1070.40ACB	209
05.0846.14.NI	264	05.0946.14.DA	264	05.1011.14ACB	187	05.1031.14A	189	05.1050.40ANI	207	05.1070.40ADA	209
05.0850.14	265	05.0946.14.NI	264	05.1011.14ADA	187	05.1031.14ACB	189	05.1051.14A	207	05.1070.40ANI	209
05.0850.14.DA	265	05.0950.14	265	05.1011.14ANI	187	05.1031.14ADA	189	05.1051.14ACB	207	05.1071.14A	209
05.0850.14.NI	265	05.0950.14.DA	265	05.1011.40A	187	05.1031.14ANI	189	05.1051.14ADA	207	05.1071.14ACB	209
05.0851.14	265	05.0950.14.NI	265	05.1011.40ACB	187	05.1031.40A	189	05.1051.14ANI	207	05.1071.14ADA	209
05.0851.14.DA	265	05.0951.14	265	05.1011.40ADA	187	05.1031.40ACB	189	05.1051.40A	207	05.1071.14ANI	209
05.0851.14.NI	265	05.0951.14.DA	265	05.1011.40ANI	187	05.1031.40ADA	189	05.1051.40ACB	207	05.1071.40A	209
05.0855.14	265	05.0951.14.NI	265	05.1012.14A	187	05.1031.40ANI	189	05.1051.40ADA	207	05.1071.40ACB	209
05.0855.14.DA	265	05.0955.14	265	05.1012.14ACB	187	05.1032.14A	189	05.1051.40ANI	207	05.1071.40ADA	209
05.0855.14.NI	265	05.0955.14.DA	265	05.1012.14ADA	187	05.1032.14ACB	189	05.1052.14A	207	05.1071.40ANI	209
05.0856.14	265	05.0955.14.NI	265	05.1012.14ANI	187	05.1032.14ADA	189	05.1052.14ACB	207	05.1072.14A	209
05.0856.14.DA	265	05.0956.14	265	05.1012.40A	187	05.1032.14ANI	189	05.1052.14ADA	207	05.1072.14ACB	209
05.0856.14.NI	265	05.0956.14.DA	265	05.1012.40ACB	187	05.1032.40A	189	05.1052.14ANI	207	05.1072.14ADA	209
05.0860.14	266	05.0956.14.NI	265	05.1012.40ADA	187	05.1032.40ACB	189	05.1052.40A	207	05.1072.14ANI	209
05.0860.14.DA	266	05.0960.14	266	05.1012.40ANI	187	05.1032.40ADA	189	05.1052.40ACB	207	05.1072.40A	209
05.0860.14.NI	266	05.0960.14.DA	266	05.1015.14A	187	05.1032.40ANI	189	05.1052.40ADA	207	05.1072.40ACB	209
05.0861.14	266	05.0960.14.NI	266	05.1015.14ACB	187	05.1035.14A	189	05.1052.40ANI	207	05.1072.40ADA	209
05.0861.14.DA	266	05.0961.14	266	05.1015.14ADA	187	05.1035.14ACB	189	05.1055.14A	207	05.1072.40ANI	209
05.0861.14.NI	266	05.0961.14.DA	266	05.1015.14ANI	187	05.1035.14ADA	189	05.1055.14ACB	207	05.1075.14A	209
05.0865.14	266	05.0961.14.NI	266	05.1015.40A	187	05.1035.14ANI	189	05.1055.14ADA	207	05.1075.14ACB	209
05.0865.14.DA	266	05.0965.14	266	05.1015.40ACB	187	05.1035.40A	189	05.1055.14ANI	207	05.1075.14ADA	209
05.0865.14.NI	266	05.0965.14.DA	266	05.1015.40ADA	187	05.1035.40ACB	189	05.1055.40A	207	05.1075.14ANI	209
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05.0866.14.DA	266	05.0966.14	266	05.1016.14A	187	05.1035.40ANI	189	05.1055.40ADA	207	05.1075.40ACB	209
05.0866.14.NI	266	05.0966.14.DA	266	05.1016.14ACB	187	05.1036.14A	189	05.1055.40ANI	207	05.1075.40ADA	209
05.0870.14	267	05.0966.14.NI	266	05.1016.14ADA	187	05.1036.14ACB	189	05.1056.14A	207	05.1075.40ANI	209
05.0870.14.DA	267	05.0970.14	267	05.1016.14ANI	187	05.1036.14ADA	189	05.1056.14ACB	207	05.1076.14A	209
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05.0876.14	267	05.0975.14.NI	267	05.1017.14ANI	187	05.1037.14ADA	189	05.1057.14ACB	207	05.1077.14A	209
05.0876.14.DA	267	05.0976.14	267	05.1017.40A	187	05.1037.14ANI	189	05.1057.14ADA	207	05.1077.14ACB	209
05.0876.14.NI	267	05.0976.14.DA	267	05.1017.40ACB	187	05.1037.40A	189	05.1057.14ANI	207	05.1077.14ADA	209
05.0900.14	264	05.0976.14.NI	267	05.1017.40ADA	187	05.1037.40ACB	189	05.1057.40A	207	05.1077.14ANI	209
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05.0900.14.NI	264	05.1000.14ACB	186	05.1020.14A	188	05.1037.40ANI	189	05.1057.40ADA	207	05.1077.40ACB	209
05.0901.14	264	05.1000.14ADA	186	05.1020.14ACB	188	05.1040.14A	206	05.1057.40ANI	207	05.1077.40ADA	209
05.0901.14.DA	264	05.1000.14ANI	186	05.1020.14ADA	188	05.1040.14ACB	206	05.1060.14A	208	05.1077.40ANI	209
05.0901.14.NI	264	05.1000.40A	186	05.1020.14ANI	188	05.1040.14ADA	206	05.1060.14ACB	208	05.1100.14A	190
05.0905.14	264	05.1000.40ACB	186	05.1020.40A	188	05.1040.14ANI	206	05.1060.14ADA	208	05.1100.14ACB	190
05.0905.14.DA	264	05.1000.40ADA	186	05.1020.40ACB	188	05.1040.40A	206	05.1060.14ANI	208	05.1100.14ADA	190
05.0905.14.NI	264	05.1000.40ANI	186	05.1020.40ADA	188	05.1040.40ACB	206	05.1060.40A	208	05.1100.14ANI	190
05.0906.14	264	05.1001.14A	186	05.1020.40ANI	188	05.1040.40ADA	206	05.1060.40ACB	208	05.1100.40A	190
05.0906.14.DA	264	05.1001.14ACB	186	05.1021.14A	188	05.1040.40ANI	206	05.1060.40ADA	208	05.1100.40ACB	190
05.0906.14.NI	264	05.1001.14ADA	186	05.1021.14ACB	188	05.1041.14A	206	05.1060.40ANI	208	05.1100.40ADA	190
05.0910.14	265	05.1001.14ANI	186	05.1021.14ADA	188	05.1041.14ACB	206	05.1061.14A	208	05.1100.40ANI	190
05.0910.14.DA	265	05.1001.40A	186	05.1021.14ANI	188	05.1041.14ADA	206	05.1061.14ACB	208	05.1101.14A	190
05.0910.14.NI	265	05.1001.40ACB	186	05.1021.40A	188	05.1041.14ANI	206	05.1061.14ADA	208	05.1101.14ACB	190
05.0911.14	265	05.1001.40ADA	186	05.1021.40ACB	188	05.1041.40A	206	05.1061.14ANI	208	05.1101.14ADA	190
05.0911.14.DA	265	05.1001.40ANI	186	05.1021.40ADA	188	05.1041.40ACB	206	05.1061.40A	208	05.1101.14ANI	190
05.0911.14.NI	265	05.1002.14A	186	05.1021.40ANI	188	05.1041.40ADA	206	05.1061.40ACB	208	05.1101.40A	190
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05.0915.14.DA	265	05.1002.14ADA	186	05.1022.14ACB	188	05.1042.14A	206	05.1061.40ANI	208	05.1101.40ADA	190
05.0915.14.NI	265	05.1002.14ANI	186	05.1022.14ADA	188	05.1042.14ACB	206	05.1062.14A	208	05.1101.40ANI	190
05.0916.14	265	05.1002.40A	186	05.1022.14ANI	188	05.1042.14ADA	206	05.1062.14ACB	208	05.1102.14A	190
05.0916.14.DA	265	05.1002.40ACB	186	05.1022.40A	188	05.1042.14ANI	206	05.1062.14ADA	208	05.1102.14ACB	190
05.0916.14.NI	265	05.1002.40ADA	186	05.1022.40ACB	188	05.1042.40A	206	05.1062.14ANI	208	05.1102.14ADA	190
05.0920.14	266	05.1002.40ANI	186	05.1022.40ADA	188	05.1042.40ACB	206	05.1062.40A	208	05.1102.14ANI	190
05.0920.14.DA	266	05.1005.14A	186	05.1022.40ANI	188	05.1042.40ADA	206	05.1062.40ACB	208	05.1102.40A	190
05.0920.14.NI	266	05.1005.14ACB	186	05.1025.14A	188	05.1042.40ANI	206	05.1062.40ADA	208	05.1102.40ACB	190
05.0921.14	266	05.1005.14ADA	186	05.1025.14ACB	188	05.1045.14A	206	05.1062.40ANI	208	05.1102.40ADA	190
05.0921.14.DA	266	05.1005.14ANI	186	05.1025.14ADA	188	05.1045.14ACB	206	05.1065.14A	208	05.1102.40ANI	190
05.0921.14.NI	266	05.1005.40A	186	05.1025.14ANI	188	05.1045.14ADA	206	05.1065.14ACB	208	05.1105.14A	190
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05.0925.14.DA	266	05.1005.40ADA	186	05.1025.40ACB	188	05.1045.40A	206	05.1065.14ANI	208	05.1105.14ADA	190
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05.1121.14ACB	192	05.1141.14A	210	05.1160.40ANI	212	05.1200.40ADA	198	05.1220.40ACB	200	05.1240.40A	218
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05.1246.14ANI	218	05.1266.14ADA	220	05.1306.14ACB	202	05.1326.14A	204	05.1345.40ANI	222	05.1365.40ADA	224
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05.1246.40ADA	218	05.1266.40ACB	220	05.1306.40A	202	05.1326.14ANI	204	05.1346.14ADA	222	05.1366.14ACB	224
05.1246.40ANI	218	05.1266.40ADA	220	05.1306.40ACB	202	05.1326.40A	204	05.1346.14ANI	222	05.1366.14ADA	224
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05.1247.40A	218	05.1267.14ANI	220	05.1307.14ADA	202	05.1327.14ACB	204	05.1347.14A	222	05.1366.40ANI	224
05.1247.40ACB	218	05.1267.40A	220	05.1307.14ANI	202	05.1327.14ADA	204	05.1347.14ACB	222	05.1367.14A	224
05.1247.40ADA	218	05.1267.40ACB	220	05.1307.40A	202	05.1327.14ANI	204	05.1347.14ADA	222	05.1367.14ACB	224
05.1247.40ANI	218	05.1267.40ADA	220	05.1307.40ACB	202	05.1327.40A	204	05.1347.14ANI	222	05.1367.14ADA	224
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05.1250.14ACB	219	05.1270.14A	221	05.1307.40ANI	202	05.1327.40ADA	204	05.1347.40ACB	222	05.1367.40A	224
05.1250.14ADA	219	05.1270.14ACB	221	05.1310.14A	203	05.1327.40ANI	204	05.1347.40ADA	222	05.1367.40ACB	224
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05.1250.40A	219	05.1270.14ANI	221	05.1310.14ADA	203	05.1330.14ACB	205	05.1350.14A	223	05.1367.40ANI	224
05.1250.40ACB	219	05.1270.40A	221	05.1310.14ANI	203	05.1330.14ADA	205	05.1350.14ACB	223	05.1370.14A	225
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05.1251.14A	219	05.1270.40ANI	221	05.1310.40ADA	203	05.1330.40ACB	205	05.1350.40A	223	05.1370.14ANI	225
05.1251.14ACB	219	05.1271.14A	221	05.1310.40ANI	203	05.1330.40ADA	205	05.1350.40ACB	223	05.1370.40A	225
05.1251.14ADA	219	05.1271.14ACB	221	05.1311.14A	203	05.1330.40ANI	205	05.1350.40ADA	223	05.1370.40ACB	225
05.1251.14ANI	219	05.1271.14ADA	221	05.1311.14ACB	203	05.1331.14A	205	05.1350.40ANI	223	05.1370.40ADA	225
05.1251.40A	219	05.1271.14ANI	221	05.1311.14ADA	203	05.1331.14ACB	205	05.1351.14A	223	05.1370.40ANI	225
05.1251.40ACB	219	05.1271.40A	221	05.1311.14ANI	203	05.1331.14ADA	205	05.1351.14ACB	223	05.1371.14A	225
05.1251.40ADA	219	05.1271.40ACB	221	05.1311.40A	203	05.1331.14ANI	205	05.1351.14ADA	223	05.1371.14ACB	225
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05.1252.14ACB	219	05.1272.14A	221	05.1311.40ANI	203	05.1331.40ADA	205	05.1351.40ACB	223	05.1371.40A	225
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05.1260.40ACB	220	05.1300.40A	202	05.1320.14ANI	204	05.1340.14ADA	222	05.1360.14ACB	224	05.1400.14A	226
05.1260.40ADA	220	05.1300.40ACB	202	05.1320.40A	204	05.1340.14ANI	222	05.1360.14ADA	224	05.1400.14ACB	226
05.1260.40ANI	220	05.1300.40ADA	202	05.1320.40ACB	204	05.1340.40A	222	05.1360.14ANI	224	05.1400.14ADA	226
05.1261.14A	220	05.1300.40ANI	202	05.1320.40ADA	204	05.1340.40ACB	222	05.1360.40A	224	05.1400.14ANI	226
05.1261.14ACB	220	05.1301.14A	202	05.1320.40ANI	204	05.1340.40ADA	222	05.1360.40ACB	224	05.1400.40A	226
05.1261.14ADA	220	05.1301.14ACB	202	05.1321.14A	204	05.1340.40ANI	222	05.1360.40ADA	224	05.1400.40ACB	226
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05.1262.14ADA	220	05.1302.14ACB	202	05.1322.14A	204	05.1341.40ANI	222	05.1361.40ADA	224	05.1401.40ACB	226
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05.1402.40ANI	226	05.1422.40ADA	228	05.1442.40ACB	242	05.1462.40A	244	05.1502.14ANI	230	05.1522.14ADA	232
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05.1407.40ANI	226	05.1427.40ADA	228	05.1447.40ACB	242	05.1467.40A	244	05.1507.14ANI	230	05.1527.14ADA	232
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05.1410.40ANI	227	05.1430.40ADA	229	05.1450.40ACB	243	05.1470.40A	245	05.1510.14ANI	231	05.1530.14ADA	233
05.1411.14A	227	05.1430.40ANI	229	05.1450.40ADA	243	05.1470.40ACB	245	05.1510.40A	231	05.1530.14ANI	233
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05.1412.40ACB	227	05.1432.40A	229	05.1452.14ANI	243	05.1472.14ADA	245	05.1512.14ACB	231	05.1532.14A	233
05.1412.40ADA	227	05.1432.40ACB	229	05.1452.40A	243	05.1472.14ANI	245	05.1512.14ADA	231	05.1532.14ACB	233
05.1412.40ANI	227	05.1432.40ADA	229	05.1452.40ACB	243	05.1472.40A	245	05.1512.14ANI	231	05.1532.14ADA	233
05.1415.14A	227	05.1432.40ANI	229	05.1452.40ADA	243	05.1472.40ACB	245	05.1512.40A	231	05.1532.14ANI	233
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05.1416.14ACB	227	05.1436.14A	229	05.1455.40ANI	243	05.1475.40ADA	245	05.1515.40ACB	231	05.1535.40A	233
05.1416.14ADA	227	05.1436.14ACB	229	05.1456.14A	243	05.1475.40ANI	245	05.1515.40ADA	231	05.1535.40ACB	233
05.1416.14ANI	227	05.1436.14ADA	229	05.1456.14ACB	243	05.1476.14A	245	05.1515.40ANI	231	05.1535.40ADA	233
05.1416.40A	227	05.1436.14ANI	229	05.1456.14ADA	243	05.1476.14ACB	245	05.1516.14A	231	05.1535.40ANI	233
05.1416.40ACB	227	05.1436.40A	229	05.1456.14ANI	243	05.1476.14ADA	245	05.1516.14ACB	231	05.1536.14A	233
05.1416.40ADA	227	05.1436.40ACB	229	05.1456.40A	243	05.1476.14ANI	245	05.1516.14ADA	231	05.1536.14ACB	233
05.1416.40ANI	227	05.1436.40ADA	229	05.1456.40ACB	243	05.1476.40A	245	05.1516.14ANi	231	05.1536.14ADA	233
05.1417.14A	227	05.1436.40ANI	229	05.1456.40ADA	243	05.1476.40ACB	245	05.1516.40A	231	05.1536.14ANI	233
05.1417.14ACB	227	05.1437.14A	229	05.1456.40ANI	243	05.1476.40ADA	245	05.1516.40ACB	231	05.1536.40A	233
05.1417.14ADA	227	05.1437.14ACB	229	05.1457.14A	243	05.1476.40ANI	245	05.1516.40ADA	231	05.1536.40ACB	233
05.1417.14ANI	227	05.1437.14ADA	229	05.1457.14ACB	243	05.1477.14A	245	05.1516.40ANI	231	05.1536.40ADA	233
05.1417.40A	227	05.1437.14ANI	229	05.1457.14ADA	243	05.1477.14ACB	245	05.1517.14A	231	05.1536.40ANI	233
05.1417.40ACB	227	05.1437.40A	229	05.1457.14ANI	243	05.1477.14ADA	245	05.1517.14ACB	231	05.1537.14A	233
05.1417.40ADA	227	05.1437.40ACB	229	05.1457.40A	243	05.1477.14ANI	245	05.1517.14ADA	231	05.1537.14ACB	233
05.1417.40ANI	227	05.1437.40ADA	229	05.1457.40ACB	243	05.1477.40A	245	05.1517.14ANI	231	05.1537.14ADA	233
05.1420.14A	228	05.1437.40ANI	229	05.1457.40ADA	243	05.1477.40ACB	245	05.1517.40A	231	05.1537.14ANI	233
05.1420.14ACB	228	05.1440.14A	242	05.1457.40ANI	243	05.1477.40ADA	245	05.1517.40ACB	231	05.1537.40A	233
05.1420.14ADA	228	05.1440.14ACB	242	05.1460.14A	244	05.1477.40ANI	245	05.1517.40ADA	231	05.1537.40ACB	233
05.1420.14ANI	228	05.1440.14ADA	242	05.1460.14ACB	244	05.1500.14A	230	05.1517.40ANI	231	05.1537.40ADA	233
05.1420.40A	228	05.1440.14ANI	242	05.1460.14ADA	244	05.1500.14ACB	230	05.1520.14A	232	05.1537.40ANI	233
05.1420.40ACB	228	05.1440.40A	242	05.1460.14ANI	244	05.1500.14ADA	230	05.1520.14ACB	232	05.1540.14A	246
05.1420.40ADA	228	05.1440.40ACB	242	05.1460.40A	244	05.1500.14ANI	230	05.1520.14ADA	232	05.1540.14ACB	246
05.1420.40ANI	228	05.1440.40ADA	242	05.1460.40ACB	244	05.1500.40A	230	05.1520.14ANI	232	05.1540.14ADA	246
05.1421.14A	228	05.1440.40ANI	242	05.1460.40ADA	244	05.1500.40ACB	230	05.1520.40A	232	05.1540.14ANI	246
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05.1421.14ADA	228	05.1441.14ACB	242	05.1461.14A	244	05.1500.40ANI	230	05.1520.40ADA	232	05.1540.40ACB	246
05.1421.14ANI	228	05.1441.14ADA	242	05.1461.14ACB	244	05.1501.14A	230	05.1520.40ANI	232	05.1540.40ADA	246
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05.1545.14A	246	05.1562.40ANI	248	05.1602.40ADA	234	05.1622.40ACB	236	05.1642.40A	250	05.1662.14ANI	252
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05.1545.40ANI	246	05.1565.40ADA	248	05.1605.40ACB	234	05.1625.40A	236	05.1645.14ANI	250	05.1665.14ADA	252
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05.1546.40ANI	246	05.1566.40ADA	248	05.1606.40ACB	234	05.1626.40A	236	05.1646.14ANI	250	05.1666.14ADA	252
05.1547.14A	246	05.1566.40ANI	248	05.1606.40ADA	234	05.1626.40ACB	236	05.1646.40A	250	05.1666.14ANI	252
05.1547.14ACB	246	05.1567.14A	248	05.1606.40ANI	234	05.1626.40ADA	236	05.1646.40ACB	250	05.1666.40A	252
05.1547.14ADA	246	05.1567.14ACB	248	05.1607.14A	234	05.1626.40ANI	236	05.1646.40ADA	250	05.1666.40ACB	252
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05.1547.40ACB	246	05.1567.40A	248	05.1607.14ANI	234	05.1627.14ADA	236	05.1647.14ACB	250	05.1667.14A	252
05.1547.40ADA	246	05.1567.40ACB	248	05.1607.40A	234	05.1627.14ANI	236	05.1647.14ADA	250	05.1667.14ACB	252
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05.1550.14ACB	247	05.1570.14A	249	05.1607.40ANI	234	05.1627.40ADA	236	05.1647.40ACB	250	05.1667.40A	252
05.1550.14ADA	247	05.1570.14ACB	249	05.1610.14A	235	05.1627.40ANI	236	05.1647.40ADA	250	05.1667.40ACB	252
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05.1550.40A	247	05.1570.14ANI	249	05.1610.14ADA	235	05.1630.14ACB	237	05.1650.14A	251	05.1667.40ANI	252
05.1550.40ACB	247	05.1570.40A	249	05.1610.14ANI	235	05.1630.14ADA	237	05.1650.14ACB	251	05.1670.14A	253
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05.1550.40ANI	247	05.1570.40ADA	249	05.1610.40ACB	235	05.1630.40A	237	05.1650.14ANI	251	05.1670.14ADA	253
05.1551.14A	247	05.1570.40ANI	249	05.1610.40ADA	235	05.1630.40ACB	237	05.1650.40A	251	05.1670.14ANI	253
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05.1551.40A	247	05.1571.14ANI	249	05.1611.14ADA	235	05.1631.14ACB	237	05.1651.14A	251	05.1670.40ANI	253
05.1551.40ACB	247	05.1571.40A	249	05.1611.14ANI	235	05.1631.14ADA	237	05.1651.14ACB	251	05.1671.14A	253
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05.1552.14ACB	247	05.1572.14A	249	05.1611.40ANI	235	05.1631.40ADA	237	05.1651.40ACB	251	05.1671.40A	253
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05.1552.40A	247	05.1572.14ANI	249	05.1612.14ADA	235	05.1632.14ACB	237	05.1652.14A	251	05.1671.40ANI	253
05.1552.40ACB	247	05.1572.40A	249	05.1612.14ANI	235	05.1632.14ADA	237	05.1652.14ACB	251	05.1672.14A	253
05.1552.40ADA	247	05.1572.40ACB	249	05.1612.40A	235	05.1632.14ANI	237	05.1652.14ADA	251	05.1672.14ACB	253
05.1552.40ANI	247	05.1572.40ADA	249	05.1612.40ACB	235	05.1632.40A	237	05.1652.14ANI	251	05.1672.14ADA	253
05.1555.14A	247	05.1572.40ANI	249	05.1612.40ADA	235	05.1632.40ACB	237	05.1652.40A	251	05.1672.14ANI	253
05.1555.14ACB	247	05.1575.14A	249	05.1612.40ANI	235	05.1632.40ADA	237	05.1652.40ACB	251	05.1672.40A	253
05.1555.14ADA	247	05.1575.14ACB	249	05.1615.14A	235	05.1632.40ANI	237	05.1652.40ADA	251	05.1672.40ACB	253
05.1555.14ANI	247	05.1575.14ADA	249	05.1615.14ACB	235	05.1635.14A	237	05.1652.40ANI	251	05.1672.40ADA	253
05.1555.40A	247	05.1575.14ANI	249	05.1615.14ADA	235	05.1635.14ACB	237	05.1655.14A	251	05.1672.40ANI	253
05.1555.40ACB	247	05.1575.40A	249	05.1615.14ANI	235	05.1635.14ADA	237	05.1655.14ACB	251	05.1675.14A	253
05.1555.40ADA	247	05.1575.40ACB	249	05.1615.40A	235	05.1635.14ANI	237	05.1655.14ADA	251	05.1675.14ACB	253
05.1555.40ANI	247	05.1575.40ADA	249	05.1615.40ACB	235	05.1635.40A	237	05.1655.14ANI	251	05.1675.14ADA	253
05.1556.14A	247	05.1575.40ANI	249	05.1615.40ADA	235	05.1635.40ACB	237	05.1655.40A	251	05.1675.14ANI	253
05.1556.14ACB	247	05.1576.14A	249	05.1615.40ANI	235	05.1635.40ADA	237	05.1655.40ACB	251	05.1675.40A	253
05.1556.14ADA	247	05.1576.14ACB	249	05.1616.14A	235	05.1635.40ANI	237	05.1655.40ADA	251	05.1675.40ACB	253
05.1556.14ANI	247	05.1576.14ADA	249	05.1616.14ACB	235	05.1636.14A	237	05.1655.40ANI	251	05.1675.40ADA	253
05.1556.40A	247	05.1576.14ANI	249	05.1616.14ADA	235	05.1636.14ACB	237	05.1656.14A	251	05.1675.40ANI	253
05.1556.40ACB	247	05.1576.40A	249	05.1616.14ANI	235	05.1636.14ADA	237	05.1656.14ACB	251	05.1676.14A	253
05.1556.40ADA	247	05.1576.40ACB	249	05.1616.40A	235	05.1636.14ANI	237	05.1656.14ADA	251	05.1676.14ACB	253
05.1556.40ANI	247	05.1576.40ADA	249	05.1616.40ACB	235	05.1636.40A	237	05.1656.14ANI	251	05.1676.14ADA	253
05.1557.14A	247	05.1576.40ANI	249	05.1616.40ADA	235	05.1636.40ACB	237	05.1656.40A	251	05.1676.14ANI	253
05.1557.14ACB	247	05.1577.14A	249	05.1616.40ANI	235	05.1636.40ADA	237	05.1656.40ACB	251	05.1676.40A	253
05.1557.14ADA	247	05.1577.14ACB	249	05.1617.14A	235	05.1636.40ANI	237	05.1656.40ADA	251	05.1676.40ACB	253
05.1557.14ANI	247	05.1577.14ADA	249	05.1617.14ACB	235	05.1637.14A	237	05.1656.40ANI	251	05.1676.40ADA	253
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05.1557.40ACB	247	05.1577.40A	249	05.1617.14ANI	235	05.1637.14ADA	237	05.1657.14ACB	251	05.1677.14A	253
05.1557.40ADA	247	05.1577.40ACB	249	05.1617.40A	235	05.1637.14ANI	237	05.1657.14ADA	251	05.1677.14ACB	253
05.1557.40ANI	247	05.1577.40ADA	249	05.1617.40ACB	235	05.1637.40A	237	05.1657.14ANI	251	05.1677.14ADA	253
05.1560.14A	248	05.1577.40ANI	249	05.1617.40ADA	235	05.1637.40ACB	237	05.1657.40A	251	05.1677.14ANI	253
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05.1560.14ADA	248	05.1600.14ACB	234	05.1620.14A	236	05.1637.40ANI	237	05.1657.40ADA	251	05.1677.40ACB	253
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05.1560.40A	248	05.1600.14ANI	234	05.1620.14ADA	236	05.1640.14ACB	250	05.1660.14A	252	05.1677.40ANI	253
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05.1701.14A	238	05.1720.40ANI	240	05.1740.40ADA	254	05.1760.40ACB	256	05.1800.40ACB	100	05.1826.40A	102
05.1701.14ACB	238	05.1721.14A	240	05.1740.40ANI	254	05.1760.40ADA	256	05.1800.40ADA	100	05.1826.40ACB	102
05.1701.14ADA	238	05.1721.14ACB	240	05.1741.14A	254	05.1760.40ANI	256	05.1801.14A	100	05.1826.40ADA	102
05.1701.14ANI	238	05.1721.14ADA	240	05.1741.14ACB	254	05.1761.14A	256	05.1801.14ACB	100	05.1827.14A	102
05.1701.40A	238	05.1721.14ANI	240	05.1741.14ADA	254	05.1761.14ACB	256	05.1801.14ADA	100	05.1827.14ACB	102
05.1701.40ACB	238	05.1721.40A	240	05.1741.14ANI	254	05.1761.14ADA	256	05.1801.40A	100	05.1827.14ADA	102
05.1701.40ADA	238	05.1721.40ACB	240	05.1741.40A	254	05.1761.14ANI	256	05.1801.40ACB	100	05.1827.40A	102
05.1701.40ANI	238	05.1721.40ADA	240	05.1741.40ACB	254	05.1761.40A	256	05.1801.40ADA	100	05.1827.40ACB	102
05.1702.14A	238	05.1721.40ANI	240	05.1741.40ADA	254	05.1761.40ACB	256	05.1802.14A	100	05.1827.40ADA	102
05.1702.14ACB	238	05.1722.14A	240	05.1741.40ANI	254	05.1761.40ADA	256	05.1802.14ACB	100	05.1830.14A	103
05.1702.14ADA	238	05.1722.14ACB	240	05.1742.14A	254	05.1761.40ANI	256	05.1802.14ADA	100	05.1830.14ACB	103
05.1702.14ANI	238	05.1722.14ADA	240	05.1742.14ACB	254	05.1762.14A	256	05.1802.40A	100	05.1830.14ADA	103
05.1702.40A	238	05.1722.14ANI	240	05.1742.14ADA	254	05.1762.14ACB	256	05.1802.40ACB	100	05.1830.40A	103
05.1702.40ACB	238	05.1722.40A	240	05.1742.14ANI	254	05.1762.14ADA	256	05.1802.40ADA	100	05.1830.40ACB	103
05.1702.40ADA	238	05.1722.40ACB	240	05.1742.40A	254	05.1762.14ANI	256	05.1805.14A	100	05.1830.40ADA	103
05.1702.40ANI	238	05.1722.40ADA	240	05.1742.40ACB	254	05.1762.40A	256	05.1805.14ACB	100	05.1831.14A	103
05.1705.14A	238	05.1722.40ANI	240	05.1742.40ADA	254	05.1762.40ACB	256	05.1805.14ADA	100	05.1831.14ACB	103
05.1705.14ACB	238	05.1725.14A	240	05.1742.40ANI	254	05.1762.40ADA	256	05.1805.40A	100	05.1831.14ADA	103
05.1705.14ADA	238	05.1725.14ACB	240	05.1745.14A	254	05.1762.40ANI	256	05.1805.40ACB	100	05.1831.40A	103
05.1705.14ANI	238	05.1725.14ADA	240	05.1745.14ACB	254	05.1765.14A	256	05.1805.40ADA	100	05.1831.40ACB	103
05.1705.40A	238	05.1725.14ANI	240	05.1745.14ADA	254	05.1765.14ACB	256	05.1806.14A	100	05.1831.40ADA	103
05.1705.40ACB	238	05.1725.40A	240	05.1745.14ANI	254	05.1765.14ADA	256	05.1806.14ACB	100	05.1832.14A	103
05.1705.40ADA	238	05.1725.40ACB	240	05.1745.40A	254	05.1765.14ANI	256	05.1806.14ADA	100	05.1832.14ACB	103
05.1705.40ANI	238	05.1725.40ADA	240	05.1745.40ACB	254	05.1765.40A	256	05.1806.40A	100	05.1832.14ADA	103
05.1706.14A	238	05.1725.40ANI	240	05.1745.40ADA	254	05.1765.40ACB	256	05.1806.40ACB	100	05.1832.40A	103
05.1706.14ACB	238	05.1726.14A	240	05.1745.40ANI	254	05.1765.40ADA	256	05.1806.40ADA	100	05.1832.40ACB	103
05.1706.14ADA	238	05.1726.14ACB	240	05.1746.14A	254	05.1765.40ANI	256	05.1807.14A	100	05.1832.40ADA	103
05.1706.14ANI	238	05.1726.14ADA	240	05.1746.14ACB	254	05.1766.14A	256	05.1807.14ACB	100	05.1835.14A	103
05.1706.40A	238	05.1726.14ANI	240	05.1746.14ADA	254	05.1766.14ACB	256	05.1807.14ADA	100	05.1835.14ACB	103
05.1706.40ACB	238	05.1726.40A	240	05.1746.14ANI	254	05.1766.14ADA	256	05.1807.40A	100	05.1835.14ADA	103
05.1706.40ADA	238	05.1726.40ACB	240	05.1746.40A	254	05.1766.14ANI	256	05.1807.40ACB	100	05.1835.40A	103
05.1706.40ANI	238	05.1726.40ADA	240	05.1746.40ACB	254	05.1766.40A	256	05.1807.40ADA	100	05.1835.40ACB	103
05.1707.14A	238	05.1726.40ANI	240	05.1746.40ADA	254	05.1766.40ACB	256	05.1810.14A	101	05.1835.40ADA	103
05.1707.14ACB	238	05.1727.14A	240	05.1746.40ANI	254	05.1766.40ADA	256	05.1810.14ACB	101	05.1836.14A	103
05.1707.14ADA	238	05.1727.14ACB	240	05.1747.14A	254	05.1766.40ANI	256	05.1810.14ADA	101	05.1836.14ACB	103
05.1707.14ANI	238	05.1727.14ADA	240	05.1747.14ACB	254	05.1767.14A	256	05.1810.40A	101	05.1836.14ADA	103
05.1707.40A	238	05.1727.14ANI	240	05.1747.14ADA	254	05.1767.14ACB	256	05.1810.40ACB	101	05.1836.40A	103
05.1707.40ACB	238	05.1727.40A	240	05.1747.14ANI	254	05.1767.14ADA	256	05.1810.40ADA	101	05.1836.40ACB	103
05.1707.40ADA	238	05.1727.40ACB	240	05.1747.40A	254	05.1767.14ANI	256	05.1811.14A	101	05.1836.40ADA	103
05.1707.40ANI	238	05.1727.40ADA	240	05.1747.40ACB	254	05.1767.40A	256	05.1811.14ACB	101	05.1837.14A	103
05.1710.14A	239	05.1727.40ANI	240	05.1747.40ADA	254	05.1767.40ACB	256	05.1811.14ADA	101	05.1837.14ACB	103
05.1710.14ACB	239	05.1730.14A	241	05.1747.40ANI	254	05.1767.40ADA	256	05.1811.40A	101	05.1837.14ADA	103
05.1710.14ADA	239	05.1730.14ACB	241	05.1750.14A	255	05.1767.40ANI	256	05.1811.40ACB	101	05.1837.40A	103
05.1710.14ANI	239	05.1730.14ADA	241	05.1750.14ACB	255	05.1770.14A	257	05.1811.40ADA	101	05.1837.40ACB	103
05.1710.40A	239	05.1730.14ANI	241	05.1750.14ADA	255	05.1770.14ACB	257	05.1812.14A	101	05.1837.40ADA	103
05.1710.40ACB	239	05.1730.40A	241	05.1750.14ANI	255	05.1770.14ADA	257	05.1812.14ACB	101	05.2102.40A	260
05.1710.40ADA	239	05.1730.40ACB	241	05.1750.40A	255	05.1770.14ANI	257	05.1812.14ADA	101	05.2102.40ACB	260
05.1710.40ANI	239	05.1730.40ADA	241	05.1750.40ACB	255	05.1770.40A	257	05.1812.40A	101	05.2102.40ADA	260
05.1711.14A	239	05.1730.40ANI	241	05.1750.40ADA	255	05.1770.40ACB	257	05.1812.40ACB	101	05.2103.40A	260
05.1711.14ACB	239	05.1731.14A	241	05.1750.40ANI	255	05.1770.40ADA	257	05.1812.40ADA	101	05.2103.40ACB	260
05.1711.14ADA	239	05.1731.14ACB	241	05.1751.14A	255	05.1770.40ANI	257	05.1815.14A	101	05.2103.40ADA	260
05.1711.14ANI	239	05.1731.14ADA	241	05.1751.14ACB	255	05.1771.14A	257	05.1815.14ACB	101	05.2107.40A	260
05.1711.40A	239	05.1731.14ANI	241	05.1751.14ADA	255	05.1771.14ACB	257	05.1815.14ADA	101	05.2107.40ACB	260
05.1711.40ACB	239	05.1731.40A	241	05.1751.14ANI	255	05.1771.14ADA	257	05.1815.40A	101	05.2107.40ADA	260
05.1711.40ADA	239	05.1731.40ACB	241	05.1751.40A	255	05.1771.14ANI	257	05.1815.40ACB	101	05.2108.40A	260
05.1711.40ANI	239	05.1731.40ADA	241	05.1751.40ACB	255	05.1771.40A	257	05.1815.40ADA	101	05.2108.40ACB	260
05.1712.14A	239	05.1731.40ANI	241	05.1751.40ADA	255	05.1771.40ACB	257	05.1816.14A	101	05.2108.40ADA	260
05.1712.14ACB	239	05.1732.14A	241	05.1751.40ANI	255	05.1771.40ADA	257	05.1816.14ACB	101	05.2112.40A	261
05.1712.14ADA	239	05.1732.14ACB	241	05.1752.14A	255	05.1771.40ANI	257	05.1816.14ADA	101	05.2112.40ACB	261
05.1712.14ANI	239	05.1732.14ADA	241	05.1752.14ACB	255	05.1772.14A	257	05.1816.40A	101	05.2112.40ADA	261
05.1712.40A	239	05.1732.14ANI	241	05.1752.14ADA	255	05.1772.14ACB	257	05.1816.40ACB	101	05.2113.40A	261
05.1712.40ACB	239	05.1732.40A	241	05.1752.14ANI	255	05.1772.14ADA	257	05.1816.40ADA	101	05.2113.40ACB	261
05.1712.40ADA	239	05.1732.40ACB	241	05.1752.40A	255	05.1772.14ANI	257	05.1817.14A	101	05.2113.40ADA	261
05.1712.40ANI	239	05.1732.40ADA	241	05.1752.40ACB	255	05.1772.40A	257	05.1817.14ACB	101	05.2117.40A	261
05.1715.14A	239	05.1732.40ANI	241	05.1752.40ADA	255	05.1772.40ACB	257	05.1817.14ADA	101	05.2117.40ACB	261
05.1715.14ACB	239	05.1735.14A	241	05.1752.40ANI	255	05.1772.40ADA	257	05.1817.40A	101	05.2117.40ADA	261
05.1715.14ADA	239	05.1735.14ACB	241	05.1755.14A	255	05.1772.40ANI	257	05.1817.40ACB	101	05.2118.40A	261
05.1715.14ANI	239	05.1735.14ADA	241	05.1755.14ACB	255	05.1775.14A	257	05.1817.40ADA	101	05.2118.40ACB	261
05.1715.40A	239	05.1735.14ANI	241	05.1755.14ADA	255	05.1775.14ACB	257	05.1820.14A	102	05.2118.40ADA	261
05.1715.40ACB	239	05.1735.40A	241	05.1755.14ANI	255	05.1775.14ADA	257	05.1820.14ACB	102	05.2122.40A	262
05.1715.40ADA	239	05.1735.40ACB	241	05.1755.40A	255	05.1775.14ANI	257	05.1820.14ADA	102	05.2122.40ACB	262
05.1715.40ANI	239	05.1735.40ADA	241	05.1755.40ACB	255	05.1775.40A	257	05.1820.40A	102	05.2122.40ADA	262
05.1716.14A	239	05.1735.40ANI	241	05.1755.40ADA	255	05.1775.40ACB	257	05.1820.40ACB	102	05.2123.40A	262
05.1716.14ACB	239	05.1736.14A	241	05.1755.40ANI	255	05.1775.40ADA	257	05.1820.40ADA	102	05.2123.40ACB	262
05.1716.14ADA	239	05.1736.14ACB	241	05.1756.14A	255	05.1775.40ANI	257	05.1821.14A	102	05.2123.40ADA	262
05.1716.14ANI	239	05.1736.14ADA	241	05.1756.14ACB	255	05.1776.14A	257	05.1821.14ACB	102	05.2127.40A	262
05.1716.40A	239	05.1736.14ANI	241	05.1756.14ADA	255	05.1776.14ACB	257	05.1821.14ADA	102	05.2127.40ACB	262
05.1716.40ACB	239	05.1736.40A	241	05.1756.14ANI	255	05.1776.14ADA	257	05.1821.40A	102	05.2127.40ADA	262
05.1716.40ADA	239	05.1736.40ACB	241	05.1756.40A	255	05.1776.14ANI	257	05.1821.40ACB	102	05.2128.40A	262
05.1716.40ANI	239	05.1736.40ADA	241	05.1756.40ACB	255	05.1776.40A	257	05.1821.40ADA	102	05.2128.40ACB	262
05.1717.14A	239	05.1736.40ANI	241	05.1756.40ADA	255	05.1776.40ACB	257	05.1822.14A	102	05.2128.40ADA	262
05.1717.14ACB	239	05.1737.14A	241	05.1756.40ANI	255	05.1776.40ADA	257	05.1822.14ACB	102	05.2132.40A	263
05.1717.14ADA	239	05.1737.14ACB	241	05.1757.14A	255	05.1776.40ANI	257	05.1822.14ADA	102	05.2132.40ACB	263
05.1717.14ANI	239	05.1737.14ADA	241	05.1757.14ACB	255	05.1777.14A	257	05.1822.40A	102	05.2132.40ADA	263
05.1717.40A	239	05.1737.14ANI	241	05.1757.14ADA	255	05.1777.14ACB	257	05.1822.40ACB	102	05.2133.40A	263
05.1717.40ACB	239	05.1737.40A	241	05.1757.14ANI	255	05.1777.14ADA	257	05.1822.40ADA	102	05.2133.40ACB	263
05.1717.40ADA	239	05.1737.40ACB	241	05.1757.40A	255	05.1777.14ANI	257	05.1825.14A	102	05.2133.40ADA	263
05.1717.40ANI	239	05.1737.40ADA	241	05.1757.40ACB	255	05.1777.40A	257	05.1825.14ACB	102	05.2137.40A	263
05.1720.14A	240	05.1737.40ANI	241	05.1757.40ADA	255	05.1777.40ACB	257	05.1825.14ADA	102	05.2137.40ACB	263
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05.2142.14A	260	05.2240.14ACB	260	05.2340.14A	260	05.7015.BU	394	05.7112.BU	340	05.7201.BU	354
05.2142.14ACB	260	05.2240.14ADA	260	05.2340.14ACB	260	05.7015.CU	394	05.7112.CU	340	05.7201.CU	354
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05.2143.14ADA	260	05.2245.14A	260	05.2341.14ADA	260	05.7016.BU	395	05.7115.BU	338	05.7202.BU	355
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05.2147.14ACB	260	05.2245.14ADA	260	05.2345.14ACB	260	05.7016.GL	395	05.7115.GL	338	05.7202.GL	355
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05.2148.14ACB	260	05.2246.14ADA	260	05.2346.14ACB	260	05.7017.BU	396	05.7116.BU	339	05.7205.BU	353
05.2148.14ADA	260	05.2250.14A	261	05.2346.14ADA	260	05.7017.CU	396	05.7116.CU	339	05.7205.CU	353
05.2152.14A	261	05.2250.14ACB	261	05.2350.14A	261	05.7017.GL	396	05.7116.GL	339	05.7205.GL	353
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05.2153.14ADA	261	05.2251.14ACB	261	05.2351.14A	261	05.7020.BU	398	05.7117.BU	340	05.7206.BU	354
05.2157.14A	261	05.2251.14ADA	261	05.2351.14ACB	261	05.7020.CU	398	05.7117.CU	340	05.7206.CU	354
05.2157.14ACB	261	05.2255.14A	261	05.2351.14ADA	261	05.7020.GL	398	05.7117.GL	340	05.7206.GL	354
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05.2158.14ADA	261	05.2256.14ACB	261	05.2356.14A	261	05.7021.CU	398	05.7120.CU	342	05.7207.CU	355
05.2162.14A	262	05.2256.14ADA	261	05.2356.14ACB	261	05.7021.GL	398	05.7120.GL	342	05.7207.GL	355
05.2162.14ACB	262	05.2260.14A	262	05.2356.14ADA	261	05.7030.74	393	05.7121.74	342	05.7210.74	356
05.2162.14ADA	262	05.2260.14ACB	262	05.2360.14A	262	05.7030.B1	393	05.7121.B1	342	05.7210.B1	356
05.2163.14A	262	05.2260.14ADA	262	05.2360.14ACB	262	05.7030.BU	393	05.7121.BU	342	05.7210.BU	356
05.2163.14ACB	262	05.2261.14A	262	05.2360.14ADA	262	05.7030.CU	393	05.7121.CU	342	05.7210.CU	356
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05.2167.14ACB	262	05.2265.14A	262	05.2361.14ADA	262	05.7031.B1	393	05.7130.B1	337	05.7211.B1	357
05.2167.14ADA	262	05.2265.14ACB	262	05.2365.14A	262	05.7031.BU	393	05.7130.BU	337	05.7211.BU	357
05.2168.14A	262	05.2265.14ADA	262	05.2365.14ACB	262	05.7031.CU	393	05.7130.CU	337	05.7211.CU	357
05.2168.14ACB	262	05.2266.14A	262	05.2365.14ADA	262	05.7031.GL	393	05.7130.GL	337	05.7211.GL	357
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05.2172.14ACB	263	05.2270.14A	263	05.2366.14ADA	262	05.7035.BU	397	05.7131.BU	337	05.7212.BU	358
05.2172.14ADA	263	05.2270.14ACB	263	05.2370.14A	263	05.7035.CU	397	05.7131.CU	337	05.7212.CU	358
05.2173.14A	263	05.2270.14ADA	263	05.2370.14ACB	263	05.7035.GL	397	05.7131.GL	337	05.7212.GL	358
05.2173.14ACB	263	05.2271.14A	263	05.2370.14ADA	263	05.7036.74	397	05.7135.74	341	05.7215.74	356
05.2173.14ADA	263	05.2271.14ACB	263	05.2371.14A	263	05.7036.B1	397	05.7135.B1	341	05.7215.B1	356
05.2177.14A	263	05.2271.14ADA	263	05.2371.14ACB	263	05.7036.BU	397	05.7135.BU	341	05.7215.BU	356
05.2177.14ACB	263	05.2275.14A	263	05.2371.14ADA	263	05.7036.CU	397	05.7135.CU	341	05.7215.CU	356
05.2177.14ADA	263	05.2275.14ACB	263	05.2375.14A	263	05.7036.GL	397	05.7135.GL	341	05.7215.GL	356
05.2178.14A	263	05.2275.14ADA	263	05.2375.14ACB	263	05.7040.74	399	05.7136.74	341	05.7216.74	357
05.2178.14ACB	263	05.2276.14A	263	05.2375.14ADA	263	05.7040.B1	399	05.7136.B1	341	05.7216.B1	357
05.2178.14ADA	263	05.2276.14ACB	263	05.2376.14A	263	05.7040.BU	399	05.7136.BU	341	05.7216.BU	357
05.2200.14A	260	05.2276.14ADA	263	05.2376.14ACB	263	05.7040.CU	399	05.7136.CU	341	05.7216.CU	357
05.2200.14ACB	260	05.2300.14A	260	05.2376.14ADA	263	05.7040.GL	399	05.7136.GL	341	05.7216.GL	357
05.2200.14ADA	260	05.2300.14ACB	260	05.7000.74	390	05.7041.74	399	05.7140.74	343	05.7217.74	358
05.2201.14A	260	05.2300.14ADA	260	05.7000.B1	390	05.7041.B1	399	05.7140.B1	343	05.7217.B1	358
05.2201.14ACB	260	05.2301.14A	260	05.7000.BU	390	05.7041.BU	399	05.7140.BU	343	05.7217.BU	358
05.2201.14ADA	260	05.2301.14ACB	260	05.7000.CU	390	05.7041.CU	399	05.7140.CU	343	05.7217.CU	358
05.2205.14A	260	05.2301.14ADA	260	05.7000.GL	390	05.7041.GL	399	05.7140.GL	343	05.7217.GL	358
05.2205.14ACB	260	05.2305.14A	260	05.7001.74	391	05.7100.74	333	05.7141.74	343	05.7300.74	295
05.2205.14ADA	260	05.2305.14ACB	260	05.7001.B1	391	05.7100.B1	333	05.7141.B1	343	05.7300.B1	295
05.2206.14A	260	05.2305.14ADA	260	05.7001.BU	391	05.7100.BU	333	05.7141.BU	343	05.7300.BU	295
05.2206.14ACB	260	05.2306.14A	260	05.7001.CU	391	05.7100.CU	333	05.7141.CU	343	05.7300.CU	295
05.2206.14ADA	260	05.2306.14ACB	260	05.7001.GL	391	05.7100.GL	333	05.7141.GL	343	05.7300.GL	295
05.2210.14A	261	05.2306.14ADA	260	05.7002.74	392	05.7101.74	334	05.7150.74	344	05.7301.74	296
05.2210.14ACB	261	05.2310.14A	261	05.7002.B1	392	05.7101.B1	334	05.7150.B1	344	05.7301.B1	296
05.2210.14ADA	261	05.2310.14ACB	261	05.7002.BU	392	05.7101.BU	334	05.7150.BU	344	05.7301.BU	296
05.2211.14A	261	05.2310.14ADA	261	05.7002.CU	392	05.7101.CU	334	05.7150.CU	344	05.7301.CU	296
05.2211.14ACB	261	05.2311.14A	261	05.7002.GL	392	05.7101.GL	334	05.7150.GL	344	05.7301.GL	296
05.2211.14ADA	261	05.2311.14ACB	261	05.7005.74	390	05.7102.74	335	05.7151.74	345	05.7302.74	297
05.2215.14A	261	05.2311.14ADA	261	05.7005.B1	390	05.7102.B1	335	05.7151.B1	345	05.7302.B1	297
05.2215.14ACB	261	05.2315.14A	261	05.7005.BU	390	05.7102.BU	335	05.7151.BU	345	05.7302.BU	297
05.2215.14ADA	261	05.2315.14ACB	261	05.7005.CU	390	05.7102.CU	335	05.7151.CU	345	05.7302.CU	297
05.2216.14A	261	05.2315.14ADA	261	05.7005.GL	390	05.7102.GL	335	05.7151.GL	345	05.7302.GL	297
05.2216.14ACB	261	05.2316.14A	261	05.7006.74	391	05.7105.74	333	05.7152.74	346	05.7305.74	295
05.2216.14ADA	261	05.2316.14ACB	261	05.7006.B1	391	05.7105.B1	333	05.7152.B1	346	05.7305.B1	295
05.2220.14A	262	05.2316.14ADA	261	05.7006.BU	391	05.7105.BU	333	05.7152.BU	346	05.7305.BU	295
05.2220.14ACB	262	05.2320.14A	262	05.7006.CU	391	05.7105.CU	333	05.7152.CU	346	05.7305.CU	295
05.2220.14ADA	262	05.2320.14ACB	262	05.7006.GL	391	05.7105.GL	333	05.7152.GL	346	05.7305.GL	295
05.2221.14A	262	05.2320.14ADA	262	05.7007.74	392	05.7106.74	334	05.7155.74	344	05.7306.74	296
05.2221.14ACB	262	05.2321.14A	262	05.7007.B1	392	05.7106.B1	334	05.7155.B1	344	05.7306.B1	296
05.2221.14ADA	262	05.2321.14ACB	262	05.7007.BU	392	05.7106.BU	334	05.7155.BU	344	05.7306.BU	296
05.2225.14A	262	05.2321.14ADA	262	05.7007.CU	392	05.7106.CU	334	05.7155.CU	344	05.7306.CU	296
05.2225.14ACB	262	05.2325.14A	262	05.7007.GL	392	05.7106.GL	334	05.7155.GL	344	05.7306.GL	296
05.2225.14ADA	262	05.2325.14ACB	262	05.7010.74	394	05.7107.74	335	05.7156.74	345	05.7307.74	297
05.2226.14A	262	05.2325.14ADA	262	05.7010.B1	394	05.7107.B1	335	05.7156.B1	345	05.7307.B1	297
05.2226.14ACB	262	05.2326.14A	262	05.7010.BU	394	05.7107.BU	335	05.7156.BU	345	05.7307.BU	297
05.2226.14ADA	262	05.2326.14ACB	262	05.7010.CU	394	05.7107.CU	335	05.7156.CU	345	05.7307.CU	297
05.2230.14A	263	05.2326.14ADA	262	05.7010.GL	394	05.7107.GL	335	05.7156.GL	345	05.7307.GL	297
05.2230.14ACB	263	05.2330.14A	263	05.7011.74	395	05.7110.74	338	05.7157.74	346	05.7310.74	298
05.2230.14ADA	263	05.2330.14ACB	263	05.7011.B1	395	05.7110.B1	338	05.7157.B1	346	05.7310.B1	298
05.2231.14A	263	05.2330.14ADA	263	05.7011.BU	395	05.7110.BU	338	05.7157.BU	346	05.7310.BU	298
05.2231.14ACB	263	05.2331.14A	263	05.7011.CU	395	05.7110.CU	338	05.7157.CU	346	05.7310.CU	298
05.2231.14ADA	263	05.2331.14ACB	263	05.7011.GL	395	05.7110.GL	338	05.7157.GL	346	05.7310.GL	298
05.2235.14A	263	05.2331.14ADA	263	05.7012.74	396	05.7111.74	339	05.7200.74	353	05.7311.74	299
05.2235.14ACB	263	05.2335.14A	263	05.7012.B1	396	05.7111.B1	339	05.7200.B1	353	05.7311.B1	299
05.2235.14ADA	263	05.2335.14ACB	263	05.7012.BU	396	05.7111.BU	339	05.7200.BU	353	05.7311.BU	299
05.2236.14A	263	05.2335.14ADA	263	05.7012.CU	396	05.7111.CU	339	05.7200.CU	353	05.7311.CU	299
05.2236.14ACB	263	05.2336.14A	263	05.7012.GL	396	05.7111.GL	339	05.7200.GL	353	05.7311.GL	299

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05.7312.74	300	05.7415.74	316	05.7442.74	378	05.7463.74	320	06.1626.14	91	06.2511.14	66
05.7312.B1	300	05.7415.B1	316	05.7442.B1	378	05.7463.B1	320	06.1626.40	91	06.2511.18	66
05.7312.BU	300	05.7415.BU	316	05.7442.BU	378	05.7463.BU	320	06.1627.14	91	06.2511.40	66
05.7312.CU	300	05.7415.CU	316	05.7442.CU	378	05.7463.CU	320	06.1627.40	91	06.2511.CZ	66
05.7312.GL	300	05.7415.GL	316	05.7442.GL	378	05.7463.GL	320	06.1628.14	91	06.2540.14	58
05.7315.74	298	05.7416.74	322	05.7443.74	378	05.7464.74	324	06.1628.40	91	06.2540.18	58
05.7315.B1	298	05.7416.B1	322	05.7443.B1	378	05.7464.B1	324	06.1629.14	91	06.2540.40	58
05.7315.BU	298	05.7416.BU	322	05.7443.BU	378	05.7464.BU	324	06.1629.40	91	06.2540.CZ	58
05.7315.CU	298	05.7416.CU	322	05.7443.CU	378	05.7464.CU	324	06.1630.14	91	06.2541.14	58
05.7315.GL	298	05.7416.GL	322	05.7443.GL	378	05.7464.GL	324	06.1630.40	91	06.2541.18	58
05.7316.74	299	05.7417.74	322	05.7444.74	382	05.7465.74	324	06.1631.14	91	06.2541.40	58
05.7316.B1	299	05.7417.B1	322	05.7444.B1	382	05.7465.B1	324	06.1631.40	91	06.2541.CZ	58
05.7316.BU	299	05.7417.BU	322	05.7444.BU	382	05.7465.BU	324	06.1632.14	91	06.2542.14	58
05.7316.CU	299	05.7417.CU	322	05.7444.CU	382	05.7465.CU	324	06.1632.40	91	06.2542.18	58
05.7316.GL	299	05.7417.GL	322	05.7444.GL	382	05.7465.GL	324	06.1633.14	91	06.2542.40	58
05.7317.74	300	05.7420.74	327	05.7445.74	382	06.0097.00	168	06.1633.40	91	06.2542.CZ	58
05.7317.B1	300	05.7420.B1	327	05.7445.B1	382	06.0098.00	168	06.1634.14	91	06.2543.14	58
05.7317.BU	300	05.7420.BU	327	05.7445.BU	382	06.0157.00	115	06.1634.40	91	06.2543.18	58
05.7317.CU	300	05.7420.CU	327	05.7445.CU	382	06.0173.14	15	06.1635.14	91	06.2543.40	58
05.7317.GL	300	05.7420.GL	327	05.7445.GL	382	06.0301.00	149	06.1635.40	91	06.2543.CZ	58
05.7400.74	372	05.7421.74	327	05.7446.74	363	06.0303.00	149	06.1638.14	88	06.2544.14	58
05.7400.B1	372	05.7421.B1	327	05.7446.B1	363	06.1003.00	643	06.1639.14	88	06.2544.18	58
05.7400.BU	372	05.7421.BU	327	05.7446.BU	363	06.1005.00	643	06.1640.14	88	06.2544.40	58
05.7400.CU	372	05.7421.CU	327	05.7446.CU	363	06.1005.00	670	06.1641.14	88	06.2544.CZ	58
05.7400.GL	372	05.7421.GL	327	05.7446.GL	363	06.1011.00	643	06.1642.14	88	06.2545.14	59
05.7401.74	374	05.7422.74	329	05.7447.74	363	06.1012.00	643	06.1643.14	88	06.2545.18	59
05.7401.B1	374	05.7422.B1	329	05.7447.B1	363	06.1012.00	670	06.1644.14	88	06.2545.40	59
05.7401.BU	374	05.7422.BU	329	05.7447.BU	363	06.1013.00	644	06.1645.14	88	06.2545.CZ	59
05.7401.CU	374	05.7422.CU	329	05.7447.CU	363	06.1013.00	670	06.1646.14	88	06.2546.14	59
05.7401.GL	374	05.7422.GL	329	05.7447.GL	363	06.1014.00	644	06.1647.14	88	06.2546.18	59
05.7402.74	376	05.7423.74	329	05.7450.74	301	06.1014.00	671	06.1648.14	88	06.2546.40	59
05.7402.B1	376	05.7423.B1	329	05.7450.B1	301	06.1016.00	636	06.1650.14	88	06.2546.CZ	59
05.7402.BU	376	05.7423.BU	329	05.7450.BU	301	06.1016.00	670	06.1651.14	88	06.5008.14	113
05.7402.CU	376	05.7423.CU	329	05.7450.CU	301	06.1019.00	643	06.1656.14	91	06.5010.05	114
05.7402.GL	376	05.7423.GL	329	05.7450.GL	301	06.1019.00	670	06.1656.40	91	06.5010.14	114
05.7403.74	372	05.7430.74	361	05.7451.74	301	06.1020.00	644	06.1657.14	91	06.5010.40	114
05.7403.B1	372	05.7430.B1	361	05.7451.B1	301	06.1022.00	636	06.1657.40	91	06.5011.05	114
05.7403.BU	372	05.7430.BU	361	05.7451.BU	301	06.1022.00	670	06.1740.14	91	06.5011.14	114
05.7403.CU	372	05.7430.CU	361	05.7451.CU	301	06.1022.00	671	06.1741.14	91	06.5011.40	114
05.7403.GL	372	05.7430.GL	361	05.7451.GL	301	06.1023.00	636	06.1742.14	91	06.5012.05	114
05.7404.74	374	05.7431.74	361	05.7452.74	305	06.1024.00	637	06.1800.14	134	06.5012.14	114
05.7404.B1	374	05.7431.B1	361	05.7452.B1	305	06.1025.00	636	06.1801.14	134	06.5012.40	114
05.7404.BU	374	05.7431.BU	361	05.7452.BU	305	06.1026.00	636	06.1802.14	134	06.5013.05	114
05.7404.CU	374	05.7431.CU	361	05.7452.CU	305	06.1027.00	636	06.1803.14	134	06.5013.14	114
05.7404.GL	374	05.7431.GL	361	05.7452.GL	305	06.1028.00	637	06.1804.14	134	06.5013.40	114
05.7405.74	376	05.7432.74	367	05.7453.74	305	06.1032.00	289	06.1805.14	134	06.5014.14	114
05.7405.B1	376	05.7432.B1	367	05.7453.B1	305	06.1033.00	289	06.1806.14	134	06.5014.40	114
05.7405.BU	376	05.7432.BU	367	05.7453.BU	305	06.1034.00	289	06.1807.14	134	06.5015.05	114
05.7405.CU	376	05.7432.CU	367	05.7453.CU	305	06.1049.00	670	06.1850.14	148	06.5015.14	114
05.7405.GL	376	05.7432.GL	367	05.7453.GL	305	06.1600.14	89	06.1851.14	148	06.5015.40	114
05.7406.74	365	05.7433.74	367	05.7454.74	307	06.1600.40	89	06.1852.14	148	06.5016.05	114
05.7406.B1	365	05.7433.B1	367	05.7454.B1	307	06.1601.14	89	06.1853.14	148	06.5016.14	114
05.7406.BU	365	05.7433.BU	367	05.7454.BU	307	06.1601.40	89	06.1860.14	149	06.5016.40	114
05.7406.CU	365	05.7433.CU	367	05.7454.CU	307	06.1602.14	89	06.1860.40	149	06.5017.05	114
05.7406.GL	365	05.7433.GL	367	05.7454.GL	307	06.1602.40	89	06.1861.14	149	06.5017.14	114
05.7407.74	365	05.7434.74	385	05.7455.74	307	06.1603.14	89	06.1861.40	149	06.5017.40	114
05.7407.B1	365	05.7434.B1	385	05.7455.B1	307	06.1603.40	89	06.1862.14	149	06.5020.05	116
05.7407.BU	365	05.7434.BU	385	05.7455.BU	307	06.1604.14	89	06.1862.40	149	06.5020.14	116
05.7407.CU	365	05.7434.CU	385	05.7455.CU	307	06.1604.40	89	06.1863.14	149	06.5020.40	116
05.7407.GL	365	05.7434.GL	385	05.7455.GL	307	06.1605.14	89	06.1863.40	149	06.5021.05	116
05.7408.74	369	05.7435.74	385	05.7456.74	311	06.1605.40	89	06.1987.14	107	06.5021.14	116
05.7408.B1	369	05.7435.B1	385	05.7456.B1	311	06.1606.14	89	06.1987.14	153	06.5021.40	116
05.7408.BU	369	05.7435.BU	385	05.7456.BU	311	06.1606.40	89	06.1987.40	107	06.5022.05	116
05.7408.CU	369	05.7435.CU	385	05.7456.CU	311	06.1607.14	89	06.1987.40	153	06.5022.14	116
05.7408.GL	369	05.7435.GL	385	05.7456.GL	311	06.1607.40	89	06.1988.14	29	06.5022.40	116
05.7409.74	369	05.7436.74	387	05.7457.74	311	06.1608.14	89	06.1988.14	129	06.5023.05	116
05.7409.B1	369	05.7436.B1	387	05.7457.B1	311	06.1608.40	89	06.1988.40	29	06.5023.14	116
05.7409.BU	369	05.7436.BU	387	05.7457.BU	311	06.1609.14	89	06.1988.40	129	06.5023.40	116
05.7409.CU	369	05.7436.CU	387	05.7457.CU	311	06.1609.40	89	06.2500.06	58	06.5024.14	116
05.7409.GL	369	05.7436.GL	387	05.7457.GL	311	06.1610.14	89	06.2500.14	58	06.5024.40	116
05.7410.74	303	05.7437.74	387	05.7458.74	314	06.1610.40	89	06.2500.18	58	06.5025.05	117
05.7410.B1	303	05.7437.B1	387	05.7458.B1	314	06.1612.14	89	06.2500.40	58	06.5025.14	117
05.7410.BU	303	05.7437.BU	387	05.7458.BU	314	06.1612.40	89	06.2500.CZ	58	06.5025.40	117
05.7410.CU	303	05.7437.CU	387	05.7458.CU	314	06.1614.14A	90	06.2501.06	58	06.5026.05	117
05.7410.GL	303	05.7437.GL	387	05.7458.GL	314	06.1614.40A	90	06.2501.14	58	06.5026.14	117
05.7411.74	303	05.7438.74	380	05.7459.74	314	06.1615.14A	90	06.2501.18	58	06.5026.40	117
05.7411.B1	303	05.7438.B1	380	05.7459.B1	314	06.1615.40A	90	06.2501.40	58	06.5040.14	112
05.7411.BU	303	05.7438.BU	380	05.7459.BU	314	06.1616.14A	90	06.2501.CZ	58	06.5041.14	112
05.7411.CU	303	05.7438.CU	380	05.7459.CU	314	06.1616.40A	90	06.2502.06	58	06.5042.14	112
05.7411.GL	303	05.7438.GL	380	05.7459.GL	314	06.1617.14A	90	06.2502.14	58	06.5043.14	112
05.7412.74	309	05.7439.74	380	05.7460.74	318	06.1617.40A	90	06.2502.18	58	06.5044.14	112
05.7412.B1	309	05.7439.B1	380	05.7460.B1	318	06.1618.14A	90	06.2502.40	58	06.5045.14	112
05.7412.BU	309	05.7439.BU	380	05.7460.BU	318	06.1618.40A	90	06.2502.CZ	58	06.5046.14	112
05.7412.CU	309	05.7439.CU	380	05.7460.CU	318	06.1619.14A	90	06.2506.14	58	06.5047.14	112
05.7412.GL	309	05.7439.GL	380	05.7460.GL	318	06.1619.40A	90	06.2506.40	58	06.5050.14	112
05.7413.74	309	05.7440.74	359	05.7461.74	318	06.1620.14A	90	06.2509.14	59	06.5051.14	112
05.7413.B1	309	05.7440.B1	359	05.7461.B1	318	06.1620.40A	90	06.2509.18	59	06.5052.14	112
05.7413.BU	309	05.7440.BU	359	05.7461.BU	318	06.1621.14A	90	06.2509.40	59	06.5053.14	112
05.7413.CU	309	05.7440.CU	359	05.7461.CU	318	06.1621.40A	90	06.2509.CZ	59	06.5054.14	112
05.7413.GL	309	05.7440.GL	359	05.7461.GL	318	06.1622.14A	90	06.2510.06	66	06.5060.05	114
05.7414.74	316	05.7441.74	359	05.7462.74	320	06.1622.40A	90	06.2510.14	66	06.5060.14	114
05.7414.B1	316	05.7441.B1	359	05.7462.B1	320	06.1623.14A	90	06.2510.18	66	06.5060.40	114
05.7414.BU	316	05.7441.BU	359	05.7462.BU	320	06.1623.40A	90	06.2510.40	66	06.5061.05	114
05.7414.CU	316	05.7441.CU	359	05.7462.CU	320	06.1624.14	90	06.2510.CZ	66	06.5061.14	114
05.7414.GL	316	05.7441.GL	359	05.7462.GL	320	06.1624.40	90	06.2511.06	66	06.5061.40	114

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06.5062.05	114	06.5303.1A	50	06.6036.14	72	08.0500.00	465	08.0613.14A	29	08.8118.68	439
06.5062.14	114	06.5303.40	50	06.6036.14	73	08.0501.00	465	08.0613.14A	129	08.8119.00	438
06.5062.40	114	06.5303.CZ	50	06.6036.40	73	08.0505.00	465	08.0614.14	112	08.8137.00	438
06.5063.05	114	06.5304.14	51	07.9630.18	591	08.0506.14	465	08.0614.14	114	08.8149.02	444
06.5063.14	114	06.5304.1A	51	07.9630.18	591	08.0506.40	465	08.0614.14	117	08.8149.14	444
06.5063.40	114	06.5304.40	51	07.9630.70	590	08.0506.CE	465	08.0615.00	115	08.8149.30	444
06.5064.14	114	06.5304.CZ	51	07.9630.70	590	08.0506.TK	465	08.0616.00	115	08.8152.00	444
06.5064.40	114	06.5305.14	51	07.9630.76	591	08.0507.14	465	08.0626.00	117	08.8156.00	400
06.5070.05	116	06.5305.1A	51	07.9630.76	591	08.0507.40	465	08.0627.00	117	08.8160.64.OD	445
06.5070.14	116	06.5305.40	51	07.9630.7C	591	08.0507.CE	465	08.0630.14	59	08.8160.64.OD	539
06.5070.40	116	06.5305.CZ	51	07.9630.7C	591	08.0507.TK	465	08.0630.40	59	08.8160.65.OD	445
06.5071.05	116	06.5306.14	51	07.9630.AN	590	08.0510.00	259	08.0631.14	117	08.8160.65.OD	539
06.5071.14	116	06.5306.1A	51	07.9630.AN	590	08.0511.00	259	08.0631.40	117	08.8160.66.OD	445
06.5071.40	116	06.5306.40	51	07.9630.AP	590	08.0512.00	259	08.0632.14	117	08.8160.66.OD	539
06.5072.05	116	06.5306.CZ	51	07.9630.AP	590	08.0513.00	259	08.0632.40	117	08.8160.67.OD	445
06.5072.14	116	06.5310.14	50	07.9630.CE	591	08.0515.00	259	08.0640.02	580	08.8160.67.OD	539
06.5072.40	116	06.5310.1A	50	07.9630.CE	591	08.0516.00	259	08.0640.14	580	08.8160.68	445
06.5073.05	116	06.5310.40	50	07.9641.14A	590	08.0517.00	259	08.0640.40	580	08.8160.68	539
06.5073.14	116	06.5310.CZ	50	07.9641.14ADA	590	08.0518.00	259	08.0640.ET	580	08.8160.69	445
06.5073.40	116	06.5311.14	50	07.9641.14ADP	590	08.0520.02	580	08.0640.EU	580	08.8160.69	539
06.5074.14	116	06.5311.1A	50	07.9642.14A	590	08.0520.14	580	08.0641.02	580	08.8160.98.OD	445
06.5074.40	116	06.5311.40	50	07.9642.14ADA	590	08.0520.40	580	08.0641.14	580	08.8160.98.OD	539
06.5100.14	18	06.5311.CZ	50	07.9642.14ADP	590	08.0520.ET	580	08.0641.40	580	08.8160.CL	445
06.5100.40	18	06.5312.14	51	08.0030	163	08.0520.EU	580	08.0641.ET	580	08.8160.CL	539
06.5101.14	18	06.5312.1A	51	08.0031.00	163	08.0521.02	580	08.0641.EU	580	08.8160.DL	445
06.5101.40	18	06.5312.40	51	08.0031.00.DA	163	08.0521.14	580	08.0642.02	581	08.8160.DL	539
06.5110.14	18	06.5312.CZ	51	08.0032.00	18	08.0521.40	580	08.0642.14	581	08.8160.ND	445
06.5110.40	18	06.5313.14	51	08.0033.00	18	08.0521.ET	580	08.0642.40	581	08.8160.ND	539
06.5111.14	18	06.5313.1A	51	08.0050.00	107	08.0521.EU	580	08.0642.ET	581	08.8163.68	426
06.5111.40	18	06.5313.40	51	08.0050.00	128	08.0522.02	580	08.0642.EU	581	08.8163.68	445
06.5112.14	18	06.5313.CZ	51	08.0050.00	453	08.0522.14	580	08.3309.14	175	08.8163.68	517
06.5112.40	18	06.5314.14	50	08.0052.90	259	08.0522.40	580	08.3310.19	175	08.8163.68	539
06.5113.14	18	06.5314.1A	50	08.0059.90	259	08.0522.ET	580	08.8025.08	479	08.8166.14	445
06.5113.40	18	06.5314.40	50	08.0109.00	163	08.0522.EU	580	08.8025.14	479	08.8166.14	539
06.5115.14	19	06.5314.CZ	50	08.0110.00	163	08.0523.02	580	08.8025.20	479	08.8169.14	445
06.5115.40	19	06.5315.14	51	08.0111.00	163	08.0523.14	580	08.8027.08.AC	479	08.8169.14	539
06.5116.14	19	06.5315.1A	51	08.0112.00	163	08.0523.40	580	08.8027.08.AM	479	08.8175.68	426
06.5116.40	19	06.5315.40	51	08.0113.00	163	08.0523.ET	580	08.8027.08.AO	479	08.8175.68	445
06.5117.14	19	06.5315.CZ	51	08.0114.00	163	08.0523.EU	580	08.8027.08.CL	479	08.8175.68	517
06.5117.40	19	06.5400.14	33	08.0132.00	400	08.0524.02	581	08.8027.08.DL	479	08.8175.68	539
06.5118.14	19	06.5400.40	33	08.0160.14	281	08.0524.14	581	08.8027.08.HL	479	08.8180.08	479
06.5118.40	19	06.5401.14	33	08.0160.40	281	08.0524.40	581	08.8027.08.IR	479	08.8180.14	479
06.5120.14	19	06.5401.40	33	08.0161.14	281	08.0524.ET	581	08.8027.08.ND	479	08.8180.20	479
06.5120.40	19	06.5402.14	33	08.0161.40	281	08.0524.EU	581	08.8027.08.RO	479	08.8182.14	175
06.5121.14	19	06.5402.40	33	08.0164.14	281	08.0525.02	581	08.8027.08.UV	479	08.8186.14	539
06.5121.40	19	06.5403.14	33	08.0164.40	281	08.0525.14	581	08.8027.14.AC	479	08.8187.00	471
06.5122.14	19	06.5403.40	33	08.0165.14	281	08.0525.40	581	08.8027.14.AM	479	08.8188.00	471
06.5122.40	19	06.5404.14	33	08.0165.40	281	08.0525.ET	581	08.8027.14.AO	479	08.8191.00	471
06.5123.14	19	06.5404.40	33	08.0166.00	281	08.0525.EU	581	08.8027.14.CL	479	08.8192.00	471
06.5123.40	19	06.5405.14	33	08.0167.00	281	08.0526.00	29	08.8027.14.DL	479	08.8196.14	471
06.5125.14	19	06.5405.40	33	08.0175.14	493	08.0526.00	128	08.8027.14.HL	479	08.8196.14	575
06.5125.40	19	06.5410.14	33	08.0176.14	493	08.0526.00	143	08.8027.14.IR	479	08.8222.30A	419
06.5126.14	19	06.5410.40	33	08.0177.14	493	08.0526.00	152	08.8027.14.ND	479	08.8229.30A	419
06.5126.40	19	06.5411.14	33	08.0178.14	493	08.0526.00	426	08.8027.14.RO	479	08.8230.64.OD	175
06.5127.14	19	06.5411.40	33	08.0180.00	15	08.0526.00	466	08.8027.14.UV	479	08.8230.65.OD	175
06.5127.40	19	06.5412.14	33	08.0181.00	15	08.0526.00	517	08.8027.20.AC	479	08.8230.66.OD	175
06.5128.14	19	06.5412.40	33	08.0182.00	15	08.0526.00	559	08.8027.20.AM	479	08.8230.67.OD	175
06.5128.40	19	06.5413.14	33	08.0190.14	82	08.0526.40	29	08.8027.20.AO	479	08.8230.69	175
06.5135.14A	18	06.5413.40	33	08.0191.14	82	08.0526.40	128	08.8027.20.CL	479	08.8230.98.OD	175
06.5135.40A	18	06.5414.14	33	08.0192.00	281	08.0526.40	143	08.8027.20.DL	479	08.8230.CL	175
06.5140.14	18	06.5414.40	33	08.0193.00	281	08.0526.40	152	08.8027.20.HL	479	08.8230.DL	175
06.5140.40	18	06.5415.14	33	08.0194.00	15	08.0526.40	426	08.8027.20.IR	479	08.8230.ND	175
06.5141.14	18	06.5415.40	33	08.0195.00	15	08.0526.40	517	08.8027.20.ND	479	08.8232.02	445
06.5141.40	18	06.5420.14	33	08.0205.00A	555	08.0526.40	559	08.8027.20.RO	479	08.8232.02	539
06.5142.14A	18	06.5420.40	33	08.0206.00	555	08.0526.BW	29	08.8027.20.UV	479	08.8232.14	445
06.5142.40A	18	06.5421.14	33	08.0207.00A	555	08.0526.BW	128	08.8029.08	479	08.8232.14	539
06.5150.14	19	06.5421.40	33	08.0208.00	555	08.0526.BW	143	08.8029.14	479	08.8232.30	445
06.5150.40	19	06.5430.14	33	08.0209.DR	555	08.0526.BW	152	08.8029.20	479	08.8232.30	539
06.5151.14	19	06.5430.40	33	08.0209.DY	555	08.0526.BW	426	08.8030.08	479	08.8238.14	471
06.5151.40	19	06.6000.14	72	08.0209.EQ	555	08.0526.BW	517	08.8030.14	479	08.8238.14	575
06.5152.14	19	06.6001.14	72	08.0209.ER	555	08.0526.BW	559	08.8030.20	479	08.8239.00B	419
06.5152.40	19	06.6002.14	72	08.0209.ES	555	08.0550.00	465	08.8034.14	451	08.8240.00B	419
06.5153.14	19	06.6003.14	72	08.0210.00A	555	08.0551.00	465	08.8034.14	471	08.8242.14	439
06.5153.40	19	06.6004.14	72	08.0211.DR	555	08.0555.00	465	08.8034.14	575	08.8243.00	419
06.5155.14	19	06.6010.14	73	08.0211.DY	555	08.0556.14	465	08.8036.14	451	08.8243.00.1U	419
06.5155.40	19	06.6010.40	73	08.0211.EQ	555	08.0556.40	465	08.8036.14	471	08.8243.00.5U	419
06.5156.14	19	06.6011.14	73	08.0211.ER	555	08.0556.CE	465	08.8036.14	575	08.8250.00	419
06.5156.40	19	06.6011.40	73	08.0211.ES	555	08.0556.TK	465	08.8041.68	413	08.8251.00	400
06.5157.14	19	06.6012.14	73	08.0212.DRA	555	08.0557.14	465	08.8041.68	419	08.8270.00	667
06.5157.40	19	06.6012.40	73	08.0212.DYA	555	08.0557.40	465	08.8041.68	451	08.8270.00	668
06.5158.14	19	06.6013.14	73	08.0212.EQA	555	08.0557.CE	465	08.8042.64.OD	451	08.8270.00	668
06.5158.40	19	06.6013.40	73	08.0212.ERA	555	08.0557.TK	465	08.8042.65.OD	451	08.8270.00	669
06.5300.14	50	06.6014.14	73	08.0212.ESA	555	08.0580.00	272	08.8042.66.OD	451	08.8270.14	483
06.5300.1A	50	06.6014.40	73	08.0226.00A	555	08.0581.00	272	08.8042.67.OD	451	08.8294.00A	636
06.5300.40	50	06.6030.14	72	08.0227.00	555	08.0582.00	272	08.8042.68	451	08.8296.00A	636
06.5300.CZ	50	06.6031.14	73	08.0228.DR	555	08.0583.00	272	08.8042.69	451	08.8297.00	637
06.5301.14	50	06.6031.40	73	08.0228.DY	555	08.0584.00	272	08.8042.98.OD	451	08.8297.00	644
06.5301.1A	50	06.6032.14	72	08.0228.EQ	555	08.0586.00	272	08.8042.CL	451	08.8297.00	671
06.5301.40	50	06.6033.14	73	08.0228.ER	555	08.0600.14	115	08.8042.DL	451	08.8298.00	637
06.5301.CZ	50	06.6033.40	73	08.0228.ES	555	08.0600.40	115	08.8042.ND	451	08.8298.00	644
06.5302.14	50	06.6034.14	72	08.0231.00	555	08.0611.14	112	08.8049.14	439	08.8298.00	671
06.5302.1A	50	06.6034.14	73	08.0254.00A	555	08.0611.14	114	08.8080.00	478	08.8306.00	635
06.5302.40	50	06.6034.40	73	08.0255.00	555	08.0612.14	112	08.8081.00	478	08.8307.00	635
06.5302.CZ	50	06.6035.14	72	08.0269.00	259	08.0612.14	114	08.8084.00	478	08.8308.00	635
06.5303.14	50	06.6035.14	73	08.0270.00	259	08.0612.14	117	08.8085.00	478	08.8314.00	635

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08.8315.00	635	08.8502.14	175	08.8766.67.OD	526	08.9107.00	517	09.1632.02C	442	09.2151.30A	544
08.8316.00	635	08.8502.14	545	08.8768.14	526	08.9107.00	559	09.1632.02C1V	442	09.2152.05A	544
08.8320.00	635	08.8503.64.OD	479	08.8775.40	591	08.9108.00	143	09.1632.02CDA	442	09.2152.14A	544
08.8321.00	635	08.8503.65.OD	479	08.8782.30	499	08.9108.00	517	09.1632.14C	442	09.2152.30A	544
08.8322.00	635	08.8503.66.OD	479	08.8783.06	499	08.9108.00	559	09.1632.14C1V	442	09.2155.05A	545
08.8330.00	635	08.8503.67.OD	479	08.8783.14	499	08.9109.00	143	09.1632.14CDA	442	09.2155.14A	545
08.8356.00	635	08.8503.69	479	08.8783.30	499	08.9109.00	517	09.1632.30C	442	09.2155.30A	545
08.8359.00	438	08.8503.CL	479	08.8865.14A	88	08.9109.00	559	09.1632.30C1V	442	09.2156.05A	545
08.8363.14	175	08.8503.DL	479	08.8866.14	88	08.9110.00	143	09.1632.30CDA	442	09.2156.14A	545
08.8363.30	175	08.8503.ND	479	08.8866.14	113	08.9110.00	517	09.1635.02C	442	09.2156.30A	545
08.8377.14	439	08.8512.00C	636	08.8866.14	148	08.9110.00	559	09.1635.02C1V	442	09.2157.05A	545
08.8380.14	175	08.8513.00C	636	08.8867.14	88	08.9111.00	143	09.1635.02CDA	442	09.2157.14A	545
08.8380.30	175	08.8523.00	478	08.8867.14	113	08.9111.00	517	09.1635.14C	442	09.2157.30A	545
08.8410.00	426	08.8524.00	478	08.8867.14	148	08.9111.00	559	09.1635.14C1V	442	09.2160.05A	544
08.8410.00	517	08.8525.00	478	08.8883.14A	92	08.9114.00	400	09.1635.14CDA	442	09.2160.14A	544
08.8411.00	426	08.8526.00	478	08.8883.14A	115	09.0045.29B	595	09.1635.30C	442	09.2160.30A	544
08.8411.00	517	08.8572.14C	284	08.8883.14A	117	09.0045.30B	595	09.1635.30C1V	442	09.2161.05A	544
08.8412.14	413	08.8572.14C	284	08.8883.40A	92	09.0045.BZB	595	09.1635.30CDA	442	09.2161.14A	544
08.8412.14	419	08.8572.14C	285	08.8883.40A	115	09.0100.29B	595	09.1636.02C	442	09.2161.30A	544
08.8413.00	438	08.8572.14C1V	284	08.8883.40A	117	09.0100.30B	595	09.1636.02C1V	442	09.2162.05A	544
08.8414.00	438	08.8572.14C1V	284	08.8886.14	92	09.0100.BZB	595	09.1636.02CDA	442	09.2162.14A	544
08.8415.00	438	08.8572.14C1V	285	08.8886.14.DA	92	09.0101.29B	595	09.1636.14C	442	09.2162.30A	544
08.8418.68A	107	08.8572.14CDA	284	08.8886.40	92	09.0101.30B	595	09.1636.14C1V	442	09.2165.05A	545
08.8418.68A	128	08.8572.14CDA	284	08.8886.40.DA	92	09.0101.BZB	595	09.1636.14CDA	442	09.2165.14A	545
08.8418.68A	453	08.8572.14CDA	285	08.8887.14A	89	09.0102.29B	595	09.1636.30C	442	09.2165.30A	545
08.8419.14A	107	08.8573.14C	284	08.8887.14A	91	09.0102.30B	595	09.1636.30C1V	442	09.2166.05A	545
08.8419.14A	128	08.8573.14C	284	08.8887.40A	89	09.0102.BZB	595	09.1636.30CDA	442	09.2166.14A	545
08.8419.14A	453	08.8573.14C	285	08.8887.40A	91	09.0103.29B	595	09.1637.02C	442	09.2166.30A	545
08.8420.00	400	08.8573.14C1V	284	08.8889.14	92	09.0103.30B	595	09.1637.02C1V	442	09.2167.05A	545
08.8421.00	400	08.8573.14C1V	284	08.8889.14	115	09.0103.BZB	595	09.1637.02CDA	442	09.2167.14A	545
08.8422.00	603	08.8573.14C1V	285	08.8889.14	117	09.0104.29A	595	09.1637.14C	442	09.2167.30A	545
08.8423.00	605	08.8573.14CDA	284	08.8889.40	92	09.0104.30A	595	09.1637.14C1V	442	09.2400.02C	531
08.8427.14	97	08.8573.14CDA	284	08.8889.40	115	09.0104.BZA	595	09.1637.14CDA	442	09.2400.14C	531
08.8428.00	29	08.8573.14CDA	285	08.8889.40	117	09.0120.29B	595	09.1637.30C	442	09.2400.30C	531
08.8428.00	128	08.8590.06A	640	08.8930.68	451	09.0120.30B	595	09.1637.30C1V	442	09.2401.02C	531
08.8428.00	143	08.8590.40A	640	08.8931.68	451	09.0120.BZB	595	09.1637.30CDA	442	09.2401.14C	531
08.8428.00	152	08.8590.AAA	640	08.8932.64.OD	451	09.0203.14	174	09.1640.02B	443	09.2401.30C	531
08.8428.00	426	08.8591.06A	640	08.8932.65.OD	451	09.0203.30	174	09.1640.14B	443	09.2402.02C	531
08.8428.00	466	08.8591.40A	640	08.8932.66.OD	451	09.0211.14A	173	09.1640.30B	443	09.2402.14C	531
08.8428.00	517	08.8591.AAA	640	08.8932.67.OD	451	09.0211.30A	173	09.1641.02B	443	09.2402.30C	531
08.8428.00	559	08.8595.06A	640	08.8932.69	451	09.0212.14A	173	09.1641.14B	443	09.2405.02B	533
08.8429.00	29	08.8595.40A	640	08.8932.98.OD	451	09.0212.30A	173	09.1641.30B	443	09.2405.14B	533
08.8429.00	128	08.8595.AAA	640	08.8932.CL	451	09.0213.14A	173	09.1642.02B	443	09.2405.30B	533
08.8429.00	143	08.8596.06A	640	08.8932.DL	451	09.0213.30A	173	09.1642.14B	443	09.2406.02B	533
08.8429.00	152	08.8596.40A	640	08.8932.ND	451	09.0217.14A	173	09.1642.30B	443	09.2406.14B	533
08.8429.00	426	08.8596.AAA	640	08.8933.68	451	09.0217.30A	173	09.1645.02B	443	09.2406.30B	533
08.8429.00	466	08.8627.68	175	08.8974.00	405	09.0218.14A	173	09.1645.14B	443	09.2407.02B	533
08.8429.00	517	08.8634.00	115	08.8975.00	405	09.0218.30A	173	09.1645.30B	443	09.2407.14B	533
08.8429.00	559	08.8634.00	117	08.8976.14	405	09.0219.14A	173	09.1646.02B	443	09.2407.30B	533
08.8431.00	29	08.8662.14C	284	08.8977.00	405	09.0219.30A	173	09.1646.14B	443	09.2410.02C	531
08.8431.00	128	08.8662.14C	284	08.8978.00	405	09.0220.14A	174	09.1646.30B	443	09.2410.14C	531
08.8431.00	143	08.8662.14C	285	08.8979.00	405	09.0220.30A	174	09.1647.02B	443	09.2410.30C	531
08.8431.00	152	08.8662.14C1V	284	08.8980.14	405	09.0221.14A	174	09.1647.14B	443	09.2411.02C	531
08.8431.00	426	08.8662.14C1V	284	08.8994.14	426	09.0221.30A	174	09.1647.30B	443	09.2411.14C	531
08.8431.00	466	08.8662.14C1V	285	08.8994.30	426	09.0230.14	174	09.2110.05C	593	09.2411.30C	531
08.8431.00	517	08.8662.14CDA	284	08.8995.14	426	09.0230.30	174	09.2110.05CDA	593	09.2412.02C	531
08.8431.00	559	08.8662.14CDA	284	08.8995.30	426	09.0231.14	174	09.2110.14C	593	09.2412.14C	531
08.8432.00	29	08.8662.14CDA	285	08.9050.02	163	09.0231.30	174	09.2110.14CDA	593	09.2412.30C	531
08.8432.00	128	08.8663.14C	284	08.9050.40	163	09.0232.14	174	09.2110.40C	593	09.2415.02B	533
08.8432.00	143	08.8663.14C	284	08.9050.NS	163	09.0232.30	174	09.2110.40CDA	593	09.2415.14B	533
08.8432.00	152	08.8663.14C	285	08.9051.02	163	09.0233.14	174	09.2111.05A	593	09.2415.30B	533
08.8432.00	426	08.8663.14C1V	284	08.9051.40	163	09.0233.30	174	09.2111.05ADA	593	09.2416.02B	533
08.8432.00	466	08.8663.14C1V	284	08.9051.NS	163	09.0360.14	173	09.2111.14A	593	09.2416.14B	533
08.8432.00	517	08.8663.14C1V	285	08.9052.02	163	09.0360.30	173	09.2111.14ADA	593	09.2416.30B	533
08.8432.00	559	08.8663.14CDA	284	08.9052.40	163	09.0361.14	173	09.2111.40A	593	09.2417.02B	533
08.8439.14	134	08.8663.14CDA	284	08.9052.NS	163	09.0361.30	173	09.2111.40ADA	593	09.2417.14B	533
08.8450.00	439	08.8663.14CDA	285	08.9053.02	163	09.0362.14	173	09.2112.05A	593	09.2417.30B	533
08.8451.00	439	08.8701.14	172	08.9053.40	163	09.0362.30	173	09.2112.05ADA	593	09.2420.02C	535
08.8452.00	439	08.8701.30	172	08.9053.NS	163	09.0365.14	173	09.2112.14A	593	09.2420.14C	535
08.8453.14	439	08.8702.14	172	08.9054.02	163	09.0365.30	173	09.2112.14ADA	593	09.2420.30C	535
08.8453.40	439	08.8702.30	172	08.9054.40	163	09.0366.14	173	09.2112.40A	593	09.2421.02C	535
08.8479.00	400	08.8705.14	172	08.9054.NS	163	09.0366.30	173	09.2112.40ADA	593	09.2421.14C	535
08.8491.14	400	08.8705.30	172	08.9055.02	163	09.0367.14	173	09.2125.05B	593	09.2421.30C	535
08.8491.30	400	08.8706.14	172	08.9055.40	163	09.0367.30	173	09.2125.05BDM	593	09.2422.02C	535
08.8491.BU	400	08.8706.30	172	08.9055.NS	163	09.1600.02	444	09.2125.14B	593	09.2422.14C	535
08.8491.GL	400	08.8707.14	172	08.9056.02	163	09.1600.14	444	09.2125.14BDM	593	09.2422.30C	535
08.8495.14	426	08.8707.30	172	08.9056.40	163	09.1600.30	444	09.2125.40B	593	09.2425.02B	537
08.8495.14	479	08.8708.14	172	08.9056.NS	163	09.1630.02C	442	09.2125.40BDM	593	09.2425.14B	537
08.8495.14	517	08.8708.30	172	08.9057.02	163	09.1630.02C1V	442	09.2126.05	593	09.2425.30B	537
08.8501.64.OD	175	08.8709.14	172	08.9057.40	163	09.1630.02CDA	442	09.2126.05.DM	593	09.2426.02B	537
08.8501.64.OD	545	08.8709.30	172	08.9057.NS	163	09.1630.14C	442	09.2126.14	593	09.2426.14B	537
08.8501.65.OD	175	08.8710.14	172	08.9058.02	163	09.1630.14C1V	442	09.2126.14.DM	593	09.2426.30B	537
08.8501.65.OD	545	08.8710.30	172	08.9058.40	163	09.1630.14CDA	442	09.2126.40	593	09.2427.02B	537
08.8501.66.OD	175	08.8711.00	172	08.9058.NS	163	09.1630.30C	442	09.2126.40.DM	593	09.2427.14B	537
08.8501.66.OD	545	08.8720.14	172	08.9070.14	148	09.1630.30C1V	442	09.2127.05	593	09.2427.30B	537
08.8501.67.OD	175	08.8720.30	172	08.9071.14	149	09.1630.30CDA	442	09.2127.05.DM	593	09.2430.02C	535
08.8501.67.OD	545	08.8721.14	172	08.9071.40	149	09.1631.02C	442	09.2127.14	593	09.2430.14C	535
08.8501.69	175	08.8721.30	172	08.9074.14	149	09.1631.02C1V	442	09.2127.14.DM	593	09.2430.30C	535
08.8501.69	545	08.8759.00	98	08.9102.00	400	09.1631.02CDA	442	09.2127.40	593	09.2431.02C	535
08.8501.CL	175	08.8760.00	98	08.9102.00	463	09.1631.14C	442	09.2127.40.DM	593	09.2431.14C	535
08.8501.CL	545	08.8761.00	98	08.9103.00	400	09.1631.14C1V	442	09.2150.05A	544	09.2431.30C	535
08.8501.DL	175	08.8763.14	526	08.9103.00	463	09.1631.14CDA	442	09.2150.14A	544	09.2432.02C	535
08.8501.DL	545	08.8766.64.OD	526	08.9104.00	400	09.1631.30C	442	09.2150.30A	544	09.2432.14C	535
08.8501.ND	175	08.8766.65.OD	526	08.9105.00	463	09.1631.30C1V	442	09.2151.05A	544	09.2432.30C	535
08.8501.ND	545	08.8766.66.OD	526	08.9107.00	143	09.1631.30CDA	442	09.2151.14A	544	09.2435.02B	537

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
09.2435.14B	537	09.2581.02A	534	09.2888.30	520	09.2991.14.DA	522	09.3803.18A	60	09.3841.CZA	48
09.2435.30B	537	09.2581.14A	534	09.2888.30.DA	520	09.2991.30	522	09.3803.40A	60	09.3841.CZA	65
09.2436.02B	537	09.2581.30A	534	09.2889.14	520	09.2991.30.DA	522	09.3803.CZA	60	09.3842.06A	65
09.2436.14B	537	09.2585.02A	535	09.2889.14.DA	520	09.2992.14	522	09.3810.06A	61	09.3842.14A	48
09.2436.30B	537	09.2585.14A	535	09.2889.30	520	09.2992.14.DA	522	09.3810.14A	61	09.3842.14A	65
09.2437.02B	537	09.2585.30A	535	09.2889.30.DA	520	09.2992.30	522	09.3810.18A	61	09.3842.18A	65
09.2437.14B	537	09.2586.02A	535	09.2890.14	520	09.2992.30.DA	522	09.3810.40A	61	09.3842.1AA	48
09.2437.30B	537	09.2586.14A	535	09.2890.14.DA	520	09.2993.14	522	09.3810.CZA	61	09.3842.40A	48
09.2450.02C	532	09.2586.30A	535	09.2890.30	520	09.2993.14.DA	522	09.3811.06A	61	09.3842.40A	65
09.2450.14C	532	09.2865.14	525	09.2890.30.DA	520	09.2993.30	522	09.3811.14A	61	09.3842.CZA	48
09.2450.30C	532	09.2865.14.DA	525	09.2891.14	523	09.2993.30.DA	522	09.3811.18A	61	09.3842.CZA	65
09.2451.02C	532	09.2865.30	525	09.2891.14.DA	523	09.2994.14	523	09.3811.40A	61	09.3843.06A	65
09.2451.14C	532	09.2865.30.DA	525	09.2891.30	523	09.2994.14.DA	523	09.3811.CZA	61	09.3843.14A	48
09.2451.30C	532	09.2866.14	525	09.2891.30.DA	523	09.2994.30	523	09.3812.06A	61	09.3843.14A	65
09.2452.02C	532	09.2866.14.DA	525	09.2892.14	523	09.2994.30.DA	523	09.3812.14A	61	09.3843.18A	65
09.2452.14C	532	09.2866.30	525	09.2892.14.DA	523	09.2995.14	523	09.3812.18A	61	09.3843.1AA	48
09.2452.30C	532	09.2866.30.DA	525	09.2892.30	523	09.2995.14.DA	523	09.3812.40A	61	09.3843.40A	48
09.2455.02B	534	09.2867.14	525	09.2892.30.DA	523	09.2995.30	523	09.3812.CZA	61	09.3843.40A	65
09.2455.14B	534	09.2867.14.DA	525	09.2893.14	523	09.2995.30.DA	523	09.3813.06A	61	09.3843.CZA	48
09.2455.30B	534	09.2867.30	525	09.2893.14.DA	523	09.2996.14	523	09.3813.14A	61	09.3843.CZA	65
09.2456.02B	534	09.2867.30.DA	525	09.2893.30	523	09.2996.14.DA	523	09.3813.18A	61	09.3850.06	65
09.2456.14B	534	09.2870.14	520	09.2893.30.DA	523	09.2996.30	523	09.3813.40A	61	09.3850.14	65
09.2456.30B	534	09.2870.14.DA	520	09.2894.14	521	09.2996.30.DA	523	09.3813.CZA	61	09.3850.18	65
09.2457.02B	534	09.2870.30	520	09.2894.14.DA	521	09.2997.14	522	09.3820.06A	63	09.3850.40	65
09.2457.14B	534	09.2870.30.DA	520	09.2894.30	521	09.2997.14.DA	522	09.3820.14A	63	09.3850.CZ	65
09.2457.30B	534	09.2871.14	520	09.2894.30.DA	521	09.2997.30	522	09.3820.18A	63	09.3851.06	65
09.2460.02C	532	09.2871.14.DA	520	09.2895.14	521	09.2997.30.DA	522	09.3820.40A	63	09.3851.14	65
09.2460.14C	532	09.2871.30	520	09.2895.14.DA	521	09.2998.14	522	09.3820.CZA	63	09.3851.18	65
09.2460.30C	532	09.2871.30.DA	520	09.2895.30	521	09.2998.14.DA	522	09.3821.06A	63	09.3851.40	65
09.2461.02C	532	09.2872.14	520	09.2895.30.DA	521	09.2998.30	522	09.3821.14A	63	09.3851.CZ	65
09.2461.14C	532	09.2872.14.DA	520	09.2896.14	521	09.2998.30.DA	522	09.3821.18A	63	09.3860.06A	62
09.2461.30C	532	09.2872.30	520	09.2896.14.DA	521	09.2999.14	522	09.3821.40A	63	09.3860.14A	62
09.2462.02C	532	09.2872.30.DA	520	09.2896.30	521	09.2999.14.DA	522	09.3821.CZA	63	09.3860.18A	62
09.2462.14C	532	09.2873.14	523	09.2896.30.DA	521	09.2999.30	522	09.3822.06A	63	09.3860.40A	62
09.2462.30C	532	09.2873.14.DA	523	09.2897.14	524	09.2999.30.DA	522	09.3822.14A	63	09.3860.CZA	62
09.2465.02B	534	09.2873.30	523	09.2897.14.DA	524	09.3200.29A	603	09.3822.18A	63	09.3861.06A	62
09.2465.14B	534	09.2873.30.DA	523	09.2897.30	524	09.3200.30A	603	09.3822.40A	63	09.3861.14A	62
09.2465.30B	534	09.2874.14	523	09.2897.30.DA	524	09.3200.55A	603	09.3822.CZA	63	09.3861.18A	62
09.2466.02B	534	09.2874.14.DA	523	09.2898.14	524	09.3200.ANA	603	09.3823.06A	63	09.3861.40A	62
09.2466.14B	534	09.2874.30	523	09.2898.14.DA	524	09.3200.BZA	603	09.3823.14A	63	09.3861.CZA	62
09.2466.30B	534	09.2874.30.DA	523	09.2898.30	524	09.3201.29A	603	09.3823.18A	63	09.3862.06A	62
09.2467.02B	534	09.2875.14	523	09.2898.30.DA	524	09.3201.30A	603	09.3823.40A	63	09.3862.14A	62
09.2467.14B	534	09.2875.14.DA	523	09.2899.14	524	09.3201.55A	603	09.3823.CZA	63	09.3862.18A	62
09.2467.30B	534	09.2875.30	523	09.2899.14.DA	524	09.3201.ANA	603	09.3830.06A	64	09.3862.40A	62
09.2470.02C	536	09.2875.30.DA	523	09.2899.30	524	09.3201.BZA	603	09.3830.14A	48	09.3862.CZA	62
09.2470.14C	536	09.2876.14	521	09.2899.30.DA	524	09.3310.01C	605	09.3830.14A	64	09.3863.06A	62
09.2470.30C	536	09.2876.14.DA	521	09.2953.14	520	09.3310.04C	605	09.3830.18A	64	09.3863.14A	62
09.2471.02C	536	09.2876.30	521	09.2953.14.DA	520	09.3310.72C	605	09.3830.1AA	48	09.3863.18A	62
09.2471.14C	536	09.2876.30.DA	521	09.2953.30	520	09.3707.06	498	09.3830.40A	48	09.3863.40A	62
09.2471.30C	536	09.2877.14	521	09.2953.30.DA	520	09.3707.14	498	09.3830.40A	64	09.3863.CZA	62
09.2472.02C	536	09.2877.14.DA	521	09.2954.14	520	09.3707.30	498	09.3830.CZA	48	09.3864.06A	62
09.2472.14C	536	09.2877.30	521	09.2954.14.DA	520	09.3708.06A	498	09.3830.CZA	64	09.3864.14A	62
09.2472.30C	536	09.2877.30.DA	521	09.2954.30	520	09.3708.14A	498	09.3831.06A	64	09.3864.18A	62
09.2475.02B	538	09.2878.14	521	09.2954.30.DA	520	09.3708.30A	498	09.3831.14A	48	09.3864.40A	62
09.2475.14B	538	09.2878.14.DA	521	09.2955.14	520	09.3710.06C	499	09.3831.14A	64	09.3864.CZA	62
09.2475.30B	538	09.2878.30	521	09.2955.14.DA	520	09.3710.14C	499	09.3831.18A	64	09.3865.06A	62
09.2476.02B	538	09.2878.30.DA	521	09.2955.30	520	09.3710.30C	499	09.3831.1AA	48	09.3865.14A	62
09.2476.14B	538	09.2879.14	524	09.2955.30.DA	520	09.3711.06C	499	09.3831.40A	48	09.3865.18A	62
09.2476.30B	538	09.2879.14.DA	524	09.2956.14	521	09.3711.14C	499	09.3831.40A	64	09.3865.40A	62
09.2477.02B	538	09.2879.30	524	09.2956.14.DA	521	09.3711.30C	499	09.3831.CZA	48	09.3865.CZA	62
09.2477.14B	538	09.2879.30.DA	524	09.2956.30	521	09.3750.06A	497	09.3831.CZA	64	09.3900.06A	60
09.2477.30B	538	09.2880.14	524	09.2956.30.DA	521	09.3750.14A	497	09.3832.06A	64	09.3900.14A	60
09.2480.02C	536	09.2880.14.DA	524	09.2957.14	521	09.3750.30A	497	09.3832.14A	48	09.3900.18A	60
09.2480.14C	536	09.2880.30	524	09.2957.14.DA	521	09.3751.06A	497	09.3832.14A	64	09.3900.40A	60
09.2480.30C	536	09.2880.30.DA	524	09.2957.30	521	09.3751.14A	497	09.3832.18A	64	09.3900.CZA	60
09.2481.02C	536	09.2881.14	524	09.2957.30.DA	521	09.3751.30A	497	09.3832.1AA	48	09.3901.06A	60
09.2481.14C	536	09.2881.14.DA	524	09.2958.14	521	09.3755.06A	497	09.3832.40A	48	09.3901.14A	60
09.2481.30C	536	09.2881.30	524	09.2958.14.DA	521	09.3755.14A	497	09.3832.40A	64	09.3901.18A	60
09.2482.02C	536	09.2881.30.DA	524	09.2958.30	521	09.3755.30A	497	09.3832.CZA	48	09.3901.40A	60
09.2482.14C	536	09.2882.14	525	09.2958.30.DA	521	09.3756.06A	497	09.3832.CZA	64	09.3901.CZA	60
09.2482.30C	536	09.2882.14.DA	525	09.2959.14	524	09.3756.14A	497	09.3833.06A	64	09.3902.06A	60
09.2485.02B	538	09.2882.30	525	09.2959.14.DA	524	09.3756.30A	497	09.3833.14A	48	09.3902.14A	60
09.2485.14B	538	09.2882.30.DA	525	09.2959.30	524	09.3780.06A	496	09.3833.14A	64	09.3902.18A	60
09.2485.30B	538	09.2883.14	525	09.2959.30.DA	524	09.3780.14A	496	09.3833.18A	64	09.3902.40A	60
09.2486.02B	538	09.2883.14.DA	525	09.2960.14	524	09.3780.30A	496	09.3833.1AA	48	09.3902.CZA	60
09.2486.14B	538	09.2883.30	525	09.2960.14.DA	524	09.3781.06A	496	09.3833.40A	48	09.3903.06A	60
09.2486.30B	538	09.2883.30.DA	525	09.2960.30	524	09.3781.14A	496	09.3833.40A	64	09.3903.14A	60
09.2487.02B	538	09.2884.14	525	09.2960.30.DA	524	09.3781.30A	496	09.3833.CZA	48	09.3903.18A	60
09.2487.14B	538	09.2884.14.DA	525	09.2961.14	524	09.3800.06A	60	09.3833.CZA	64	09.3903.40A	60
09.2487.30B	538	09.2884.30	525	09.2961.14.DA	524	09.3800.14A	60	09.3840.06A	65	09.3903.CZA	60
09.2570.02A	530	09.2884.30.DA	525	09.2961.30	524	09.3800.18A	60	09.3840.14A	48	09.3910.06A	61
09.2570.14A	530	09.2885.14	522	09.2961.30.DA	524	09.3800.40A	60	09.3840.14A	65	09.3910.14A	61
09.2570.30A	530	09.2885.14.DA	522	09.2962.14	525	09.3800.CZA	60	09.3840.18A	65	09.3910.18A	61
09.2571.02A	530	09.2885.30	522	09.2962.14.DA	525	09.3801.06A	60	09.3840.1AA	48	09.3910.40A	61
09.2571.14A	530	09.2885.30.DA	522	09.2962.30	525	09.3801.14A	60	09.3840.40A	48	09.3910.CZA	61
09.2571.30A	530	09.2886.14	522	09.2962.30.DA	525	09.3801.18A	60	09.3840.40A	65	09.3911.06A	61
09.2575.02A	530	09.2886.14.DA	522	09.2963.14	525	09.3801.40A	60	09.3840.CZA	48	09.3911.14A	61
09.2575.14A	530	09.2886.30	522	09.2963.14.DA	525	09.3801.CZA	60	09.3840.CZA	65	09.3911.18A	61
09.2575.30A	530	09.2886.30.DA	522	09.2963.30	525	09.3802.06A	60	09.3841.06A	65	09.3911.40A	61
09.2576.02A	530	09.2887.14	522	09.2963.30.DA	525	09.3802.14A	60	09.3841.14A	48	09.3911.CZA	61
09.2576.14A	530	09.2887.14.DA	522	09.2964.14	525	09.3802.18A	60	09.3841.14A	65	09.3912.06A	61
09.2576.30A	530	09.2887.30	522	09.2964.14.DA	525	09.3802.40A	60	09.3841.18A	65	09.3912.14A	61
09.2580.02A	534	09.2887.30.DA	522	09.2964.30	525	09.3802.CZA	60	09.3841.1AA	48	09.3912.18A	61
09.2580.14A	534	09.2888.14	520	09.2964.30.DA	525	09.3803.06A	60	09.3841.40A	48	09.3912.40A	61
09.2580.30A	534	09.2888.14.DA	520	09.2991.14	522	09.3803.14A	60	09.3841.40A	65	09.3912.CZA	61

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09.3913.14A	61	09.3951.18	65	09.4440.30A	510	09.4511.30ADA	422	09.4851.30A	511	09.4918.30ADA	424
09.3913.18A	61	09.3951.40	65	09.4440.30ADA	510	09.4512.14A	422	09.4851.30ADA	511	09.4919.14A	425
09.3913.40A	61	09.3951.CZ	65	09.4441.14A	510	09.4512.14ADA	422	09.4852.14A	511	09.4919.14ADA	425
09.3913.CZA	61	09.3960.06A	62	09.4441.14ADA	510	09.4512.30A	422	09.4852.14ADA	511	09.4919.30A	425
09.3920.06A	63	09.3960.14A	62	09.4441.30A	510	09.4512.30ADA	422	09.4852.30A	511	09.4919.30ADA	425
09.3920.14A	63	09.3960.18A	62	09.4441.30ADA	510	09.4513.14A	422	09.4852.30ADA	511	09.4920.14A	425
09.3920.18A	63	09.3960.40A	62	09.4442.14A	510	09.4513.14ADA	422	09.4860.14A	504	09.4920.14ADA	425
09.3920.40A	63	09.3960.CZA	62	09.4442.14ADA	510	09.4513.30A	422	09.4860.14ADA	504	09.4920.30A	425
09.3920.CZA	63	09.3961.06A	62	09.4442.30A	510	09.4513.30ADA	422	09.4860.30A	504	09.4920.30ADA	425
09.3921.06A	63	09.3961.14A	62	09.4442.30ADA	510	09.4514.14A	422	09.4860.30ADA	504	09.4921.14A	425
09.3921.14A	63	09.3961.18A	62	09.4443.14A	510	09.4514.14ADA	422	09.4861.14A	504	09.4921.14ADA	425
09.3921.18A	63	09.3961.40A	62	09.4443.14ADA	510	09.4514.30A	422	09.4861.14ADA	504	09.4921.30A	425
09.3921.40A	63	09.3961.CZA	62	09.4443.30A	510	09.4514.30ADA	422	09.4861.30A	504	09.4921.30ADA	425
09.3921.CZA	63	09.3962.06A	62	09.4443.30ADA	510	09.4515.14A	422	09.4861.30ADA	504	09.4922.14A	425
09.3922.06A	63	09.3962.14A	62	09.4444.14A	510	09.4515.14ADA	422	09.4862.14A	504	09.4922.14ADA	425
09.3922.14A	63	09.3962.18A	62	09.4444.14ADA	510	09.4515.30A	422	09.4862.14ADA	504	09.4922.30A	425
09.3922.18A	63	09.3962.40A	62	09.4444.30A	510	09.4515.30ADA	422	09.4862.30A	504	09.4922.30ADA	425
09.3922.40A	63	09.3962.CZA	62	09.4444.30ADA	510	09.4516.14A	422	09.4862.30ADA	504	09.4923.14A	425
09.3922.CZA	63	09.3963.06A	62	09.4445.14A	510	09.4516.14ADA	422	09.4863.14A	504	09.4923.14ADA	425
09.3923.06A	63	09.3963.14A	62	09.4445.14ADA	510	09.4516.30A	422	09.4863.14ADA	504	09.4923.30A	425
09.3923.14A	63	09.3963.18A	62	09.4445.30A	510	09.4516.30ADA	422	09.4863.30A	504	09.4923.30ADA	425
09.3923.18A	63	09.3963.40A	62	09.4445.30ADA	510	09.4517.14A	422	09.4863.30ADA	504	09.4924.14A	425
09.3923.40A	63	09.3963.CZA	62	09.4450.14A	510	09.4517.14ADA	422	09.4864.14A	504	09.4924.14ADA	425
09.3923.CZA	63	09.3964.06A	62	09.4450.14ADA	510	09.4517.30A	422	09.4864.14ADA	504	09.4924.30A	425
09.3930.06A	64	09.3964.14A	62	09.4450.30A	510	09.4517.30ADA	422	09.4864.30A	504	09.4924.30ADA	425
09.3930.14A	48	09.3964.18A	62	09.4450.30ADA	510	09.4518.14A	422	09.4864.30ADA	504	09.4925.14A	425
09.3930.14A	64	09.3964.40A	62	09.4451.14A	510	09.4518.14ADA	422	09.4865.14A	504	09.4925.14ADA	425
09.3930.18A	64	09.3964.CZA	62	09.4451.14ADA	510	09.4518.30A	422	09.4865.14ADA	504	09.4925.30A	425
09.3930.40A	48	09.3965.06A	62	09.4451.30A	510	09.4518.30ADA	422	09.4865.30A	504	09.4925.30ADA	425
09.3930.40A	64	09.3965.14A	62	09.4451.30ADA	510	09.4519.14A	423	09.4865.30ADA	504	09.4926.14A	425
09.3930.CZA	48	09.3965.18A	62	09.4452.14A	510	09.4519.14ADA	423	09.4870.14A	504	09.4926.14ADA	425
09.3930.CZA	64	09.3965.40A	62	09.4452.14ADA	510	09.4519.30A	423	09.4870.14ADA	504	09.4926.30A	425
09.3931.06A	64	09.3965.CZA	62	09.4452.30A	510	09.4519.30ADA	423	09.4870.30A	504	09.4926.30ADA	425
09.3931.14A	48	09.4243.14	512	09.4452.30ADA	510	09.4520.14A	423	09.4870.30ADA	504	09.4927.14A	425
09.3931.14A	64	09.4243.14.DA	512	09.4460.14A	503	09.4520.14ADA	423	09.4871.14A	504	09.4927.14ADA	425
09.3931.18A	64	09.4243.30	512	09.4460.14ADA	503	09.4520.30A	423	09.4871.14ADA	504	09.4927.30A	425
09.3931.40A	48	09.4243.30.DA	512	09.4460.30A	503	09.4520.30ADA	423	09.4871.30A	504	09.4927.30ADA	425
09.3931.40A	64	09.4244.14A	512	09.4460.30ADA	503	09.4521.14A	423	09.4871.30ADA	504	09.4950.14A	513
09.3931.CZA	48	09.4244.14ADA	512	09.4461.14A	503	09.4521.14ADA	423	09.4872.14A	504	09.4950.14ADA	513
09.3931.CZA	64	09.4244.30A	512	09.4461.14ADA	503	09.4521.30A	423	09.4872.14ADA	504	09.4950.30A	513
09.3932.06A	64	09.4244.30ADA	512	09.4461.30A	503	09.4521.30ADA	423	09.4872.30A	504	09.4950.30ADA	513
09.3932.14A	48	09.4245.14	512	09.4461.30ADA	503	09.4522.14A	423	09.4872.30ADA	504	09.4951.14A	513
09.3932.14A	64	09.4245.14.DA	512	09.4462.14A	503	09.4522.14ADA	423	09.4880.14A	511	09.4951.30A	513
09.3932.18A	64	09.4245.30	512	09.4462.14ADA	503	09.4522.30A	423	09.4880.30A	511	09.4953.14A	513
09.3932.40A	48	09.4245.30.DA	512	09.4462.30A	503	09.4522.30ADA	423	09.4881.14A	511	09.4953.14ADA	513
09.3932.40A	64	09.4250.14	512	09.4462.30ADA	503	09.4523.14A	423	09.4881.30A	511	09.4953.30A	513
09.3932.CZA	48	09.4250.14.DA	512	09.4463.14A	503	09.4523.14ADA	423	09.4882.14A	511	09.4953.30ADA	513
09.3932.CZA	64	09.4250.30	512	09.4463.14ADA	503	09.4523.30A	423	09.4882.30A	511	09.4954.14A	513
09.3933.06A	64	09.4250.30.DA	512	09.4463.30A	503	09.4523.30ADA	423	09.4883.14A	511	09.4954.30A	513
09.3933.14A	48	09.4251.14A	512	09.4463.30ADA	503	09.4524.14A	423	09.4883.30A	511	09.4956.14A	513
09.3933.14A	64	09.4251.14ADA	512	09.4464.14A	503	09.4524.14ADA	423	09.4884.14A	511	09.4956.14ADA	513
09.3933.18A	64	09.4251.30A	512	09.4464.14ADA	503	09.4524.30A	423	09.4884.30A	511	09.4956.30A	513
09.3933.40A	48	09.4251.30ADA	512	09.4464.30A	503	09.4524.30ADA	423	09.4885.14A	511	09.4956.30ADA	513
09.3933.40A	64	09.4252.14	512	09.4464.30ADA	503	09.4525.14A	423	09.4885.30A	511	09.4957.14A	513
09.3933.CZA	48	09.4252.14.DA	512	09.4465.14A	503	09.4525.14ADA	423	09.4886.14A	511	09.4957.30A	513
09.3933.CZA	64	09.4252.30	512	09.4465.14ADA	503	09.4525.30A	423	09.4886.30A	511	09.4980.14	513
09.3940.06A	65	09.4252.30.DA	512	09.4465.30A	503	09.4525.30ADA	423	09.4887.14A	511	09.4980.14.DA	513
09.3940.14A	48	09.4263.14	505	09.4465.30ADA	503	09.4526.14A	423	09.4887.30A	511	09.4980.30	513
09.3940.14A	65	09.4263.14.DA	505	09.4470.14A	503	09.4526.14ADA	423	09.4888.14A	511	09.4980.30.DA	513
09.3940.18A	65	09.4263.30	505	09.4470.14ADA	503	09.4526.30A	423	09.4888.30A	511	09.4981.14	513
09.3940.40A	48	09.4263.30.DA	505	09.4470.30A	503	09.4526.30ADA	423	09.4910.14A	424	09.4981.14.DA	513
09.3940.40A	65	09.4264.14A	505	09.4470.30ADA	503	09.4527.14A	423	09.4910.14ADA	424	09.4981.30	513
09.3940.CZA	48	09.4264.14ADA	505	09.4471.14A	503	09.4527.14ADA	423	09.4910.30A	424	09.4981.30.DA	513
09.3940.CZA	65	09.4264.30A	505	09.4471.14ADA	503	09.4527.30A	423	09.4910.30ADA	424	09.4982.14	513
09.3941.06A	65	09.4264.30ADA	505	09.4471.30A	503	09.4527.30ADA	423	09.4911.14A	424	09.4982.14.DA	513
09.3941.14A	48	09.4265.14	505	09.4471.30ADA	503	09.4840.14A	511	09.4911.14ADA	424	09.4982.30	513
09.3941.14A	65	09.4265.14.DA	505	09.4472.14A	503	09.4840.14ADA	511	09.4911.30A	424	09.4982.30.DA	513
09.3941.18A	65	09.4265.30	505	09.4472.14ADA	503	09.4840.30A	511	09.4911.30ADA	424	09.4983.14	513
09.3941.40A	48	09.4265.30.DA	505	09.4472.30A	503	09.4840.30ADA	511	09.4912.14A	424	09.4983.30	513
09.3941.40A	65	09.4270.14	505	09.4472.30ADA	503	09.4841.14A	511	09.4912.14ADA	424	09.4984.14	513
09.3941.CZA	48	09.4270.14.DA	505	09.4480.14A	510	09.4841.14ADA	511	09.4912.30A	424	09.4984.30	513
09.3941.CZA	65	09.4270.30	505	09.4480.30A	510	09.4841.30A	511	09.4912.30ADA	424	09.4985.14	513
09.3942.06A	65	09.4270.30.DA	505	09.4481.14A	510	09.4841.30ADA	511	09.4913.14A	424	09.4985.30	513
09.3942.14A	48	09.4271.14A	505	09.4481.30A	510	09.4842.14A	511	09.4913.14ADA	424	09.5010.02B	583
09.3942.14A	65	09.4271.14ADA	505	09.4482.14A	510	09.4842.14ADA	511	09.4913.30A	424	09.5010.02BDA	583
09.3942.18A	65	09.4271.30A	505	09.4482.30A	510	09.4842.30A	511	09.4913.30ADA	424	09.5010.14B	583
09.3942.40A	48	09.4271.30ADA	505	09.4483.14A	510	09.4842.30ADA	511	09.4914.14A	424	09.5010.14BDA	583
09.3942.40A	65	09.4272.14	505	09.4483.30A	510	09.4843.14A	511	09.4914.14ADA	424	09.5010.30B	583
09.3942.CZA	48	09.4272.14.DA	505	09.4484.14A	510	09.4843.14ADA	511	09.4914.30A	424	09.5010.30BDA	583
09.3942.CZA	65	09.4272.30	505	09.4484.30A	510	09.4843.30A	511	09.4914.30ADA	424	09.5011.02B	583
09.3943.06A	65	09.4272.30.DA	505	09.4485.14A	510	09.4843.30ADA	511	09.4915.14A	424	09.5011.02BDA	583
09.3943.14A	48	09.4281.14	512	09.4485.30A	510	09.4844.14A	511	09.4915.14ADA	424	09.5011.14B	583
09.3943.14A	65	09.4281.30	512	09.4486.14A	510	09.4844.14ADA	511	09.4915.30A	424	09.5011.14BDA	583
09.3943.18A	65	09.4283.14A	512	09.4486.30A	510	09.4844.30A	511	09.4915.30ADA	424	09.5011.30B	583
09.3943.40A	48	09.4283.30A	512	09.4487.14A	510	09.4844.30ADA	511	09.4916.14A	424	09.5011.30BDA	583
09.3943.40A	65	09.4285.14	512	09.4487.30A	510	09.4845.14A	511	09.4916.14ADA	424	09.5015.02B	583
09.3943.CZA	48	09.4285.30	512	09.4488.14A	510	09.4845.14ADA	511	09.4916.30A	424	09.5015.02BDA	583
09.3943.CZA	65	09.4286.14	512	09.4488.30A	510	09.4845.30A	511	09.4916.30ADA	424	09.5015.14B	583
09.3950.06	65	09.4286.30	512	09.4510.14A	422	09.4845.30ADA	511	09.4917.14A	424	09.5015.14BDA	583
09.3950.14	65	09.4287.14A	512	09.4510.14ADA	422	09.4850.14A	511	09.4917.14ADA	424	09.5015.30B	583
09.3950.18	65	09.4287.30A	512	09.4510.30A	422	09.4850.14ADA	511	09.4917.30A	424	09.5015.30BDA	583
09.3950.40	65	09.4288.14	512	09.4510.30ADA	422	09.4850.30A	511	09.4917.30ADA	424	09.5016.02B	583
09.3950.CZ	65	09.4288.30	512	09.4511.14A	422	09.4850.30ADA	511	09.4918.14A	424	09.5016.02BDA	583
09.3951.06	65	09.4440.14A	510	09.4511.14ADA	422	09.4851.14A	511	09.4918.14ADA	424	09.5016.14B	583

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09.5016.30B	583	09.7213.14A	137	09.7301.40.78	138	09.7370.40	139	09.7706.30A78	506	09.7757.30A	507
09.5016.30BDA	583	09.7213.40A	137	09.7302.14	138	09.7370.40.78	139	09.7706.30ADA	506	09.7757.30A78	507
09.5020.02B	584	09.7213.40A78	137	09.7302.40	138	09.7371.14	139	09.7706.30AYU	506	09.7757.30ADA	507
09.5020.02BDA	584	09.7214.14A	137	09.7302.40.78	138	09.7371.40	139	09.7707.14A	506	09.7757.30AYU	507
09.5020.14B	584	09.7214.40A	137	09.7303.14	138	09.7371.40.78	139	09.7707.14ADA	506	09.7758.14A	507
09.5020.14BDA	584	09.7214.40A78	137	09.7303.40	138	09.7372.14	139	09.7707.30A	506	09.7758.14ADA	507
09.5020.30B	584	09.7215.14A	137	09.7303.40.78	138	09.7372.40	139	09.7707.30A78	506	09.7758.30A	507
09.5020.30BDA	584	09.7215.40A	137	09.7304.14	138	09.7372.40.78	139	09.7707.30ADA	506	09.7758.30A78	507
09.5021.02B	584	09.7215.40A78	137	09.7304.40	138	09.7373.14	142	09.7707.30AYU	506	09.7758.30ADA	507
09.5021.02BDA	584	09.7216.14A	137	09.7304.40.78	138	09.7373.14	516	09.7708.14A	506	09.7758.30AYU	507
09.5021.14B	584	09.7216.40A	137	09.7305.14	138	09.7373.40	142	09.7708.14ADA	506	09.7770.14A	509
09.5021.14BDA	584	09.7216.40A78	137	09.7305.40	138	09.7373.40	516	09.7708.30A	506	09.7770.14ADA	509
09.5021.30B	584	09.7217.14A	137	09.7305.40.78	138	09.7373.40.78	142	09.7708.30A78	506	09.7770.30A	509
09.5021.30BDA	584	09.7217.40A	137	09.7306.14	138	09.7373.40.78	516	09.7708.30ADA	506	09.7770.30A78	509
09.5025.02B	584	09.7217.40A78	137	09.7306.40	138	09.7374.14	142	09.7708.30AYU	506	09.7770.30ADA	509
09.5025.02BDA	584	09.7218.14A	137	09.7306.40.78	138	09.7374.14	516	09.7730.14	508	09.7770.30AYU	509
09.5025.14B	584	09.7218.40A	137	09.7307.14	138	09.7374.40	142	09.7730.14.DA	508	09.7771.14A	509
09.5025.14BDA	584	09.7218.40A78	137	09.7307.40	138	09.7374.40	516	09.7730.30	508	09.7771.14ADA	509
09.5025.30B	584	09.7270.14A	140	09.7307.40.78	138	09.7374.40.78	142	09.7730.30.78	508	09.7771.30A	509
09.5025.30BDA	584	09.7270.14A	514	09.7308.14	138	09.7374.40.78	516	09.7730.30.DA	508	09.7771.30A78	509
09.5026.02B	584	09.7270.40A	140	09.7308.40	138	09.7375.14	142	09.7730.30.YU	508	09.7771.30ADA	509
09.5026.02BDA	584	09.7270.40A	514	09.7308.40.78	138	09.7375.14	516	09.7731.14A	508	09.7771.30AYU	509
09.5026.14B	584	09.7270.40A78	140	09.7310.14	141	09.7375.40	142	09.7731.14ADA	508	09.7772.14A	509
09.5026.14BDA	584	09.7270.40A78	514	09.7310.14	515	09.7375.40	516	09.7731.30A	508	09.7772.14ADA	509
09.5026.30B	584	09.7271.14A	140	09.7310.40	141	09.7375.40.78	142	09.7731.30A78	508	09.7772.30A	509
09.5026.30BDA	584	09.7271.14A	514	09.7310.40	515	09.7375.40.78	516	09.7731.30ADA	508	09.7772.30A78	509
09.5040.02B	585	09.7271.40A	140	09.7310.40.78	141	09.7500.14	139	09.7731.30AYU	508	09.7772.30ADA	509
09.5040.02BDA	585	09.7271.40A	514	09.7310.40.78	515	09.7500.40	139	09.7732.14	508	09.7772.30AYU	509
09.5040.14B	585	09.7271.40A78	140	09.7311.14	141	09.7500.40.78	139	09.7732.14.DA	508	09.8000.14	44
09.5040.14BDA	585	09.7271.40A78	514	09.7311.14	515	09.7501.14	139	09.7732.30	508	09.8000.1A	44
09.5040.30B	585	09.7272.14A	140	09.7311.40	141	09.7501.40	139	09.7732.30.78	508	09.8000.40	44
09.5040.30BDA	585	09.7272.14A	514	09.7311.40	515	09.7501.40.78	139	09.7732.30.DA	508	09.8000.CZ	44
09.5041.02B	585	09.7272.40A	140	09.7311.40.78	141	09.7504.14	142	09.7732.30.YU	508	09.8001.14	44
09.5041.02BDA	585	09.7272.40A	514	09.7311.40.78	515	09.7504.14	516	09.7733.14	508	09.8001.1A	44
09.5041.14B	585	09.7272.40A78	140	09.7312.14	141	09.7504.14.DA	142	09.7733.14.DA	508	09.8001.40	44
09.5041.14BDA	585	09.7272.40A78	514	09.7312.14	515	09.7504.14.DA	516	09.7733.30	508	09.8001.CZ	44
09.5041.30B	585	09.7273.14A	140	09.7312.40	141	09.7504.40	142	09.7733.30.78	508	09.8002.14	44
09.5041.30BDA	585	09.7273.14A	514	09.7312.40	515	09.7504.40	516	09.7733.30.DA	508	09.8002.1A	44
09.5045.02B	585	09.7273.40A	140	09.7312.40.78	141	09.7504.40.78	142	09.7733.30.YU	508	09.8002.40	44
09.5045.02BDA	585	09.7273.40A	514	09.7312.40.78	515	09.7504.40.78	516	09.7734.14A	508	09.8002.CZ	44
09.5045.14B	585	09.7273.40A78	140	09.7313.14	141	09.7504.40.DA	142	09.7734.14ADA	508	09.8003.14	44
09.5045.14BDA	585	09.7273.40A78	514	09.7313.14	515	09.7504.40.DA	516	09.7734.30A	508	09.8003.1A	44
09.5045.30B	585	09.7274.14A	140	09.7313.40	141	09.7504.40.YU	142	09.7734.30A78	508	09.8003.40	44
09.5045.30BDA	585	09.7274.14A	514	09.7313.40	515	09.7504.40.YU	516	09.7734.30ADA	508	09.8003.CZ	44
09.5046.02B	585	09.7274.40A	140	09.7313.40.78	141	09.7505.14	142	09.7734.30AYU	508	09.8004.14	44
09.5046.02BDA	585	09.7274.40A	514	09.7313.40.78	515	09.7505.14	516	09.7735.14	508	09.8004.1A	44
09.5046.14B	585	09.7274.40A78	140	09.7314.14	141	09.7505.14.DA	142	09.7735.14.DA	508	09.8004.40	44
09.5046.14BDA	585	09.7274.40A78	514	09.7314.14	515	09.7505.14.DA	516	09.7735.30	508	09.8004.CZ	44
09.5046.30B	585	09.7275.14A	140	09.7314.40	141	09.7505.40	142	09.7735.30.78	508	09.8005.14	44
09.5046.30BDA	585	09.7275.14A	514	09.7314.40	515	09.7505.40	516	09.7735.30.DA	508	09.8005.1A	44
09.6010.02B	586	09.7275.40A	140	09.7314.40.78	141	09.7505.40.78	142	09.7735.30.YU	508	09.8005.40	44
09.6010.02BDA	586	09.7275.40A	514	09.7314.40.78	515	09.7505.40.78	516	09.7750.14A	507	09.8005.CZ	44
09.6010.14B	586	09.7275.40A78	140	09.7315.14	141	09.7505.40.DA	142	09.7750.14ADA	507	09.8006.14	44
09.6010.14BDA	586	09.7275.40A78	514	09.7315.14	515	09.7505.40.DA	516	09.7750.30A	507	09.8006.1A	44
09.6010.30B	586	09.7276.14A	140	09.7315.40	141	09.7505.40.YU	142	09.7750.30A78	507	09.8006.40	44
09.6010.30BDA	586	09.7276.14A	514	09.7315.40	515	09.7505.40.YU	516	09.7750.30ADA	507	09.8006.CZ	44
09.6011.02B	586	09.7276.40A	140	09.7315.40.78	141	09.7700.14A	506	09.7750.30AYU	507	09.8007.14	44
09.6011.02BDA	586	09.7276.40A	514	09.7315.40.78	515	09.7700.14ADA	506	09.7751.14A	507	09.8007.1A	44
09.6011.14B	586	09.7276.40A78	140	09.7316.14	141	09.7700.30A	506	09.7751.14ADA	507	09.8007.40	44
09.6011.14BDA	586	09.7276.40A78	514	09.7316.14	515	09.7700.30A78	506	09.7751.30A	507	09.8007.CZ	44
09.6011.30B	586	09.7277.14A	140	09.7316.40	141	09.7700.30ADA	506	09.7751.30A78	507	09.8010.14	45
09.6011.30BDA	586	09.7277.14A	514	09.7316.40	515	09.7700.30AYU	506	09.7751.30ADA	507	09.8010.1A	45
09.6020.02B	586	09.7277.40A	140	09.7316.40.78	141	09.7701.14A	506	09.7751.30AYU	507	09.8010.40	45
09.6020.02BDA	586	09.7277.40A	514	09.7316.40.78	515	09.7701.14ADA	506	09.7752.14A	507	09.8010.CZ	45
09.6020.14B	586	09.7277.40A78	140	09.7317.14	141	09.7701.30A	506	09.7752.14ADA	507	09.8011.14	45
09.6020.14BDA	586	09.7277.40A78	514	09.7317.14	515	09.7701.30A78	506	09.7752.30A	507	09.8011.1A	45
09.6020.30B	586	09.7278.14A	140	09.7317.40	141	09.7701.30ADA	506	09.7752.30A78	507	09.8011.40	45
09.6020.30BDA	586	09.7278.14A	514	09.7317.40	515	09.7701.30AYU	506	09.7752.30ADA	507	09.8011.CZ	45
09.6021.02B	586	09.7278.40A	140	09.7317.40.78	141	09.7702.14A	506	09.7752.30AYU	507	09.8012.14	45
09.6021.02BDA	586	09.7278.40A	514	09.7317.40.78	515	09.7702.14ADA	506	09.7753.14A	507	09.8012.1A	45
09.6021.14B	586	09.7278.40A78	140	09.7318.14	141	09.7702.30A	506	09.7753.14ADA	507	09.8012.40	45
09.6021.14BDA	586	09.7278.40A78	514	09.7318.14	515	09.7702.30A78	506	09.7753.30A	507	09.8012.CZ	45
09.6021.30B	586	09.7290.14A	557	09.7318.40	141	09.7702.30ADA	506	09.7753.30A78	507	09.8013.14	45
09.6021.30BDA	586	09.7290.40A	557	09.7318.40	515	09.7702.30AYU	506	09.7753.30ADA	507	09.8013.1A	45
09.6040.02B	587	09.7291.14A	557	09.7318.40.78	141	09.7703.14A	506	09.7753.30AYU	507	09.8013.40	45
09.6040.02BDA	587	09.7291.40A	557	09.7318.40.78	515	09.7703.14ADA	506	09.7754.14A	507	09.8013.CZ	45
09.6040.14B	587	09.7292.14A	557	09.7320.14	558	09.7703.30A	506	09.7754.14ADA	507	09.8014.14	45
09.6040.14BDA	587	09.7292.40A	557	09.7320.40	558	09.7703.30A78	506	09.7754.30A	507	09.8014.1A	45
09.6040.30B	587	09.7293.14A	557	09.7321.14	558	09.7703.30ADA	506	09.7754.30A78	507	09.8014.40	45
09.6040.30BDA	587	09.7293.40A	557	09.7321.40	558	09.7703.30AYU	506	09.7754.30ADA	507	09.8014.CZ	45
09.6041.02B	587	09.7294.14A	557	09.7322.14	558	09.7704.14A	506	09.7754.30AYU	507	09.8015.14	45
09.6041.02BDA	587	09.7294.40A	557	09.7322.40	558	09.7704.14ADA	506	09.7755.14A	507	09.8015.1A	45
09.6041.14B	587	09.7295.14A	557	09.7323.14	558	09.7704.30A	506	09.7755.14ADA	507	09.8015.40	45
09.6041.14BDA	587	09.7295.40A	557	09.7323.40	558	09.7704.30A78	506	09.7755.30A	507	09.8015.CZ	45
09.6041.30B	587	09.7296.14A	557	09.7324.14	558	09.7704.30ADA	506	09.7755.30A78	507	09.8016.14	45
09.6041.30BDA	587	09.7296.40A	557	09.7324.40	558	09.7704.30AYU	506	09.7755.30ADA	507	09.8016.1A	45
09.7210.14A	137	09.7297.14A	557	09.7325.14	558	09.7705.14A	506	09.7755.30AYU	507	09.8016.40	45
09.7210.40A	137	09.7297.40A	557	09.7325.40	558	09.7705.14ADA	506	09.7756.14A	507	09.8016.CZ	45
09.7210.40A78	137	09.7298.14A	557	09.7326.14	558	09.7705.30A	506	09.7756.14ADA	507	09.8017.14	45
09.7211.14A	137	09.7298.40A	557	09.7326.40	558	09.7705.30A78	506	09.7756.30A	507	09.8017.1A	45
09.7211.40A	137	09.7300.14	138	09.7327.14	558	09.7705.30ADA	506	09.7756.30A78	507	09.8017.40	45
09.7211.40A78	137	09.7300.40	138	09.7327.40	558	09.7705.30AYU	506	09.7756.30ADA	507	09.8017.CZ	45
09.7212.14A	137	09.7300.40.78	138	09.7328.14	558	09.7706.14A	506	09.7756.30AYU	507	09.8020.14	46
09.7212.40A	137	09.7301.14	138	09.7328.40	558	09.7706.14ADA	506	09.7757.14A	507	09.8020.1A	46

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09.8020.40	46	09.8105.WA	488	09.8118.WA	490	09.8212.WA.PC	492	09.8300.DV	181	60.3036.29	608
09.8020.CZ	46	09.8105.WA.CB	488	09.8118.WA.CB	490	09.8213.DR	492	09.8300.DW	181	60.3036.29ADA	608
09.8021.14	46	09.8105.WA.PC	488	09.8118.WA.DA	490	09.8213.DR.CB	492	09.8300.DX	181	60.3037.11	608
09.8021.1A	46	09.8106.DR	488	09.8118.WA.PC	490	09.8213.DR.DA	492	09.8300.DY	181	60.3037.11ADA	608
09.8021.40	46	09.8106.DR.CB	488	09.8119.DR	491	09.8213.DR.PC	492	09.8301.AH	181	60.3037.14	608
09.8021.CZ	46	09.8106.DR.PC	488	09.8119.DR.CB	491	09.8213.WA	492	09.8301.DR	181	60.3037.14ADA	608
09.8022.14	46	09.8106.WA	488	09.8119.DR.DA	491	09.8213.WA.CB	492	09.8301.DV	181	60.3037.29	608
09.8022.1A	46	09.8106.WA.CB	488	09.8119.DR.PC	491	09.8213.WA.DA	492	09.8301.DW	181	60.3037.29ADA	608
09.8022.40	46	09.8106.WA.PC	488	09.8119.WA	491	09.8213.WA.PC	492	09.8301.DX	181	60.3038.11	607
09.8022.CZ	46	09.8107.DR	488	09.8119.WA.CB	491	09.8214.DR	493	09.8301.DY	181	60.3038.11ADA	607
09.8023.14	46	09.8107.DR.CB	488	09.8119.WA.DA	491	09.8214.DR.CB	493	09.8302.AH	181	60.3038.12	607
09.8023.1A	46	09.8107.DR.PC	488	09.8119.WA.PC	491	09.8214.DR.DA	493	09.8302.DR	181	60.3038.12ADA	607
09.8023.40	46	09.8107.WA	488	09.8200.DR	489	09.8214.DR.PC	493	09.8302.DV	181	60.3038.14	607
09.8023.CZ	46	09.8107.WA.CB	488	09.8200.DR.CB	489	09.8214.WA	493	09.8302.DW	181	60.3038.14ADA	607
09.8024.14	46	09.8107.WA.PC	488	09.8200.DR.PC	489	09.8214.WA.CB	493	09.8302.DX	181	60.3039.11	607
09.8024.1A	46	09.8108.DR	488	09.8200.WA	489	09.8214.WA.DA	493	09.8302.DY	181	60.3039.11ADA	607
09.8024.40	46	09.8108.DR.CB	488	09.8200.WA.CB	489	09.8214.WA.PC	493	09.8310.AH	181	60.3039.12	607
09.8024.CZ	46	09.8108.DR.PC	488	09.8200.WA.PC	489	09.8215.DR	492	09.8310.DR	181	60.3039.12ADA	607
09.8025.14	46	09.8108.WA	488	09.8201.DR	489	09.8215.DR.CB	492	09.8310.DV	181	60.3039.14	607
09.8025.1A	46	09.8108.WA.CB	488	09.8201.DR.CB	489	09.8215.DR.DA	492	09.8310.DW	181	60.3039.14ADA	607
09.8025.40	46	09.8108.WA.PC	488	09.8201.DR.PC	489	09.8215.DR.PC	492	09.8310.DX	181	60.3043.11	608
09.8025.CZ	46	09.8109.DR	488	09.8201.WA	489	09.8215.WA	492	09.8310.DY	181	60.3043.11ADA	608
09.8026.14	46	09.8109.DR.CB	488	09.8201.WA.CB	489	09.8215.WA.CB	492	09.8311.AH	181	60.3043.14	608
09.8026.1A	46	09.8109.DR.PC	488	09.8201.WA.PC	489	09.8215.WA.DA	492	09.8311.DR	181	60.3043.14ADA	608
09.8026.40	46	09.8109.WA	488	09.8202.DR	489	09.8215.WA.PC	492	09.8311.DV	181	60.3043.29	608
09.8026.CZ	46	09.8109.WA.CB	488	09.8202.DR.CB	489	09.8216.DR	492	09.8311.DW	181	60.3043.29ADA	608
09.8027.14	46	09.8109.WA.PC	488	09.8202.DR.PC	489	09.8216.DR.CB	492	09.8311.DX	181	60.3044.11	608
09.8027.1A	46	09.8110.DR	490	09.8202.WA	489	09.8216.DR.DA	492	09.8311.DY	181	60.3044.11ADA	608
09.8027.40	46	09.8110.DR.CB	490	09.8202.WA.CB	489	09.8216.DR.PC	492	09.8312.AH	181	60.3044.12	608
09.8027.CZ	46	09.8110.DR.DA	490	09.8202.WA.PC	489	09.8216.WA	492	09.8312.DR	181	60.3044.12ADA	608
09.8030.14	47	09.8110.DR.PC	490	09.8203.DR	489	09.8216.WA.CB	492	09.8312.DV	181	60.3044.14	608
09.8030.1A	47	09.8110.WA	490	09.8203.DR.CB	489	09.8216.WA.DA	492	09.8312.DW	181	60.3044.14ADA	608
09.8030.40	47	09.8110.WA.CB	490	09.8203.DR.PC	489	09.8216.WA.PC	492	09.8312.DX	181	60.3046.11	608
09.8030.CZ	47	09.8110.WA.DA	490	09.8203.WA	489	09.8217.DR	492	09.8312.DY	181	60.3046.14	608
09.8031.14	47	09.8110.WA.PC	490	09.8203.WA.CB	489	09.8217.DR.CB	492	09.9070.14	151	60.3046.29	608
09.8031.1A	47	09.8111.DR	490	09.8203.WA.PC	489	09.8217.DR.DA	492	09.9070.BW	151	60.3047.11	608
09.8031.40	47	09.8111.DR.CB	490	09.8204.DR	489	09.8217.DR.PC	492	09.9071.14	151	60.3047.11ADA	608
09.8031.CZ	47	09.8111.DR.DA	490	09.8204.DR.CB	489	09.8217.WA	492	09.9071.BW	151	60.3047.14	608
09.8032.14	47	09.8111.DR.PC	490	09.8204.DR.PC	489	09.8217.WA.CB	492	09.9072.14	151	60.3047.14ADA	608
09.8032.1A	47	09.8111.WA	490	09.8204.WA	489	09.8217.WA.DA	492	09.9072.BW	151	60.3047.29	608
09.8032.40	47	09.8111.WA.CB	490	09.8204.WA.CB	489	09.8217.WA.PC	492	09.9075.14	151	60.3047.29ADA	608
09.8032.CZ	47	09.8111.WA.DA	490	09.8204.WA.PC	489	09.8218.DR	492	09.9075.BW	151	60.3048.11	608
09.8033.14	47	09.8111.WA.PC	490	09.8205.DR	489	09.8218.DR.CB	492	09.9076.14	151	60.3048.11ADA	608
09.8033.1A	47	09.8112.DR	490	09.8205.DR.CB	489	09.8218.DR.DA	492	09.9076.BW	151	60.3048.14	608
09.8033.40	47	09.8112.DR.CB	490	09.8205.DR.PC	489	09.8218.DR.PC	492	09.9077.14	151	60.3048.14ADA	608
09.8033.CZ	47	09.8112.DR.DA	490	09.8205.WA	489	09.8218.WA	492	09.9077.BW	151	60.3048.29	608
09.8034.14	47	09.8112.DR.PC	490	09.8205.WA.CB	489	09.8218.WA.CB	492	09.9083.14	152	60.3048.29ADA	608
09.8034.1A	47	09.8112.WA	490	09.8205.WA.PC	489	09.8218.WA.DA	492	09.9083.BW	152	60.3049.11	608
09.8034.40	47	09.8112.WA.CB	490	09.8206.DR	489	09.8218.WA.PC	492	09.9084.14	152	60.3049.14	608
09.8034.CZ	47	09.8112.WA.DA	490	09.8206.DR.CB	489	09.8219.DR	493	09.9084.BW	152	60.3049.29	608
09.8035.14	47	09.8112.WA.PC	490	09.8206.DR.PC	489	09.8219.DR.CB	493	09.9085.14	152	60.3051.11	608
09.8035.1A	47	09.8113.DR	490	09.8206.WA	489	09.8219.DR.DA	493	09.9085.BW	152	60.3051.14	608
09.8035.40	47	09.8113.DR.CB	490	09.8206.WA.CB	489	09.8219.DR.PC	493	09.9086.14	152	60.3051.29	608
09.8035.CZ	47	09.8113.DR.DA	490	09.8206.WA.PC	489	09.8219.WA	493	09.9086.BW	152	60.3053.11	607
09.8036.14	47	09.8113.DR.PC	490	09.8207.DR	489	09.8219.WA.CB	493	09.9087.14	152	60.3053.14	607
09.8036.1A	47	09.8113.WA	490	09.8207.DR.CB	489	09.8219.WA.DA	493	09.9087.BW	152	60.3054	608
09.8036.40	47	09.8113.WA.CB	490	09.8207.DR.PC	489	09.8219.WA.PC	493	09.9088.14	152	60.3057.11	607
09.8036.CZ	47	09.8113.WA.DA	490	09.8207.WA	489	09.8220.AH	179	09.9088.BW	152	60.3057.29	607
09.8037.14	47	09.8113.WA.PC	490	09.8207.WA.CB	489	09.8220.DR	179	60.3008.11	607	60.3083.29	607
09.8037.1A	47	09.8114.DR	491	09.8207.WA.PC	489	09.8220.DV	179	60.3008.14	607	60.3090.11	607
09.8037.40	47	09.8114.DR.CB	491	09.8208.DR	489	09.8220.DW	179	60.3014.11	115	60.3091.11	607
09.8037.CZ	47	09.8114.DR.DA	491	09.8208.DR.CB	489	09.8220.DX	179	60.3014.11	117	60.3091.14	607
09.8100.DR	488	09.8114.DR.PC	491	09.8208.DR.PC	489	09.8220.DY	179	60.3014.11	607	60.3092.11	607
09.8100.DR.CB	488	09.8114.WA	491	09.8208.WA	489	09.8221.AH	179	60.3014.14	115	60.3093.29	607
09.8100.DR.PC	488	09.8114.WA.CB	491	09.8208.WA.CB	489	09.8221.DR	179	60.3014.14	117	60.3094.11	607
09.8100.WA	488	09.8114.WA.DA	491	09.8208.WA.PC	489	09.8221.DV	179	60.3014.14	607	60.3094.14	607
09.8100.WA.CB	488	09.8114.WA.PC	491	09.8209.DR	489	09.8221.DW	179	60.3016.11	608	60.3095.29	607
09.8100.WA.PC	488	09.8115.DR	490	09.8209.DR.CB	489	09.8221.DX	179	60.3016.12	608	60.3096.29	607
09.8101.DR	488	09.8115.DR.CB	490	09.8209.DR.PC	489	09.8221.DY	179	60.3016.14	608	60.3097.11	115
09.8101.DR.CB	488	09.8115.DR.DA	490	09.8209.WA	489	09.8222.AH	179	60.3018.11	607	60.3097.11	117
09.8101.DR.PC	488	09.8115.DR.PC	490	09.8209.WA.CB	489	09.8222.DR	179	60.3018.14	607	60.3097.11	148
09.8101.WA	488	09.8115.WA	490	09.8209.WA.PC	489	09.8222.DV	179	60.3022.11	608	60.3097.11	607
09.8101.WA.CB	488	09.8115.WA.CB	490	09.8210.DR	492	09.8222.DW	179	60.3022.14	608	60.3097.14	115
09.8101.WA.PC	488	09.8115.WA.DA	490	09.8210.DR.CB	492	09.8222.DX	179	60.3023.11	608	60.3097.14	117
09.8102.DR	488	09.8115.WA.PC	490	09.8210.DR.DA	492	09.8222.DY	179	60.3023.14	608	60.3097.14	148
09.8102.DR.CB	488	09.8116.DR	490	09.8210.DR.PC	492	09.8230.AH	179	60.3023.29	608	60.3097.14	607
09.8102.DR.PC	488	09.8116.DR.CB	490	09.8210.WA	492	09.8230.DR	179	60.3025.11	607	60.3101.11	606
09.8102.WA	488	09.8116.DR.DA	490	09.8210.WA.CB	492	09.8230.DV	179	60.3025.14	607	60.3101.11ADA	606
09.8102.WA.CB	488	09.8116.DR.PC	490	09.8210.WA.DA	492	09.8230.DW	179	60.3025.29	607	60.3101.14	606
09.8102.WA.PC	488	09.8116.WA	490	09.8210.WA.PC	492	09.8230.DX	179	60.3028.11	608	60.3101.14ADA	606
09.8103.DR	488	09.8116.WA.CB	490	09.8211.DR	492	09.8230.DY	179	60.3028.11ADA	608	60.3101.29	606
09.8103.DR.CB	488	09.8116.WA.DA	490	09.8211.DR.CB	492	09.8231.AH	179	60.3028.14	608	60.3101.29ADA	606
09.8103.DR.PC	488	09.8116.WA.PC	490	09.8211.DR.DA	492	09.8231.DR	179	60.3028.14ADA	608	60.3102.11	606
09.8103.WA	488	09.8117.DR	490	09.8211.DR.PC	492	09.8231.DV	179	60.3028.29	608	60.3102.11ADA	606
09.8103.WA.CB	488	09.8117.DR.CB	490	09.8211.WA	492	09.8231.DW	179	60.3028.29ADA	608	60.3102.14	606
09.8103.WA.PC	488	09.8117.DR.DA	490	09.8211.WA.CB	492	09.8231.DX	179	60.3029.11	608	60.3102.14ADA	606
09.8104.DR	488	09.8117.DR.PC	490	09.8211.WA.DA	492	09.8231.DY	179	60.3029.11ADA	608	60.3102.29	606
09.8104.DR.CB	488	09.8117.WA	490	09.8211.WA.PC	492	09.8232.AH	179	60.3029.14	608	60.3102.29ADA	606
09.8104.DR.PC	488	09.8117.WA.CB	490	09.8212.DR	492	09.8232.DR	179	60.3029.14ADA	608	60.3103.11	606
09.8104.WA	488	09.8117.WA.DA	490	09.8212.DR.CB	492	09.8232.DV	179	60.3029.29	608	60.3103.11ADA	606
09.8104.WA.CB	488	09.8117.WA.PC	490	09.8212.DR.DA	492	09.8232.DW	179	60.3029.29ADA	608	60.3103.14	606
09.8104.WA.PC	488	09.8118.DR	490	09.8212.DR.PC	492	09.8232.DX	179	60.3036.11	608	60.3103.14ADA	606
09.8105.DR	488	09.8118.DR.CB	490	09.8212.WA	492	09.8232.DY	179	60.3036.11ADA	608	60.3103.29	606
09.8105.DR.CB	488	09.8118.DR.DA	490	09.8212.WA.CB	492	09.8300.AH	181	60.3036.14	608	60.3103.29ADA	606
09.8105.DR.PC	488	09.8118.DR.PC	490	09.8212.WA.DA	492	09.8300.DR	181	60.3036.14ADA	608	60.3104.11	606

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60.3104.14	606	60.8364	616	F4185030	600	SA.1008.6D100	663	SA.2334.1	633	SA.5063.3.0V3	655
60.3104.14ADA	606	60.8402	655	F4185057	600	SA.1009.4.11V	663	SA.2334.3.120	633	SA.5064.3.076	655
60.3104.29	606	60.8407	289	F9463009	601	SA.1009.4.1DA	663	SA.2343.1	633	SA.5064.3.0OG	655
60.3104.29ADA	606	60.8437	612	F9463030	601	SA.1009.4.200	663	SA.2343.3.120	633	SA.5064.3.0V3	655
60.3145.11	607	60.8515	616	F9463057	601	SA.1009.4.21V	663	SA.2343.3.140	633	SA.5065.3.076	655
60.3145.14	607	60.8529	614	F9466057	599	SA.1009.4.2DA	663	SA.2343.3.160	633	SA.5065.3.0OG	655
60.3146.11	607	60.8530	612	F9467057	599	SA.1009.4.300	663	SA.2344.1	633	SA.5065.3.0V3	655
60.3146.14	607	60.8533	612	F9474057	600	SA.1009.5D110	663	SA.2344.3.120	633	SA.5066.3.076	655
60.3317.11A	135	60.8534	614	F9477057	600	SA.1009.6D100	663	SA.2344.3.140	633	SA.5066.3.0OG	655
60.3317.14	135	60.8640	168	F9478009	601	SA.1010.4.100	664	SA.2344.3.160	633	SA.5066.3.0V3	655
60.3318.11A	135	60.8640	289	F9478030	601	SA.1010.4.200	664	SA.2423.5A145	631	SA.5067.3.076	655
60.3318.14	135	60.8640	595	F9478057	601	SA.1010.4.300	664	SA.2423.5A165	631	SA.5067.3.0OG	655
60.3319.11A	135	60.8650	612	F9492057	598	SA.1010.5D110	664	SA.2424.5A145	631	SA.5067.3.0V3	655
60.3319.14	134	60.8655	612	F9493057	598	SA.1010.6D100	664	SA.2424.5A165	631	SA.5068.3.076	655
60.3319.14	135	60.8670	612	F9494057	598	SA.1011.4.11V	664	SA.2453.5A145	631	SA.5068.3.0OG	655
60.3320.11A	135	60.8703	616	F9497057	599	SA.1011.4.1DA	664	SA.2453.5A165	631	SA.5068.3.0V3	655
60.3320.14	135	60.8837	613	RF18863	618	SA.1011.4.200	664	SA.2454.5A145	631	SA.5069.3.076	655
60.3321.11A	135	60.8847	613	RF19264	618	SA.1011.4.21V	664	SA.2454.5A165	631	SA.5069.3.0OG	655
60.3321.14	135	60.8880	614	SA.1001.3.001	659	SA.1011.4.2DA	664	SA.3009.1	669	SA.5069.3.0V3	655
60.3330.11A	135	60.8911	612	SA.1001.3.003	659	SA.1011.4.300	664	SA.3010.1C	665	SA.5070.3.076	655
60.3330.14	135	60.8919	29	SA.1001.3.004	659	SA.1011.5D110	664	SA.3011.1B	665	SA.5070.3.0OG	655
60.3331.11A	135	60.8919	39	SA.1001.3.006	659	SA.1011.6D100	664	SA.3012.1B	665	SA.5070.3.0V3	655
60.3331.14	135	60.8919	129	SA.1001.3.009	659	SA.1012.3.019	650	SA.3013.1C	666	SA.5071.3.076	656
60.3333.11A	135	60.8919	153	SA.1001.3.014	659	SA.1014.3.001	649	SA.3014.1B	666	SA.5072.3.076	656
60.3333.14	135	60.9089	616	SA.1001.3.015	659	SA.1014.3.003	649	SA.3015.1C	666	SA.5073.3.076	656
60.3336.11A	135	60.9157	614	SA.1001.3.025	659	SA.1014.3.004	649	SA.3016.1C	667	SA.5074.3.076	656
60.3336.14	135	60.9160	615	SA.1001.3.026	659	SA.1014.3.006	649	SA.3017.1	667	SA.5075.3.076	656
60.3345	135	60.9162	613	SA.1001.3.027	659	SA.1014.3.009	649	SA.3018.1	668	SA.5076.3.076	656
60.3351.11A	135	60.9170	15	SA.1001.3.102	659	SA.1014.3.014	649	SA.3019.1	667	SA.5077.3.076	656
60.3351.14	135	60.9170	29	SA.1001.3.116	659	SA.1014.3.015	649	SA.3020.1	668	SA.5078.3.076	656
60.3810.11	606	60.9170	39	SA.1002.3.001	660	SA.1014.3.025	649	SA.3021.1	668	SA.5100.1A	657
60.3810.11ADA	606	60.9170	153	SA.1002.3.003	660	SA.1014.3.026	649	SA.3022.1	669	SA.5101.1A	657
60.3810.14	606	60.9186	615	SA.1002.3.004	660	SA.1014.3.027	649	SA.3023.1	669	SA.5102.1A	657
60.3810.14ADA	606	60.9188	613	SA.1002.3.006	660	SA.1014.3.102	649	SA.4008.3.001	651	SA.5200.5.120	639
60.3810.29	606	60.9207	615	SA.1002.3.009	660	SA.1014.3.116	649	SA.4008.3.003	651	SA.5201.5.120	639
60.3810.29ADA	606	60.9208	613	SA.1002.3.014	660	SA.1015.3.001	650	SA.4008.3.004	651	SA.5202.5.120	639
60.3820.11	606	60.9222	613	SA.1002.3.015	660	SA.1015.3.003	650	SA.4008.3.009	651	SA.5203.5.120	639
60.3820.11ADA	606	60.9233	612	SA.1002.3.025	660	SA.1015.3.004	650	SA.4008.3.015	651	SA.6600.1	438
60.3820.14	606	60.9268	614	SA.1002.3.026	660	SA.1015.3.006	650	SA.4008.3.017	651		
60.3820.14ADA	606	60.9276	613	SA.1002.3.027	660	SA.1015.3.009	650	SA.4008.3.025	651		
60.3820.29	606	60.9312	612	SA.1002.3.102	660	SA.1015.3.014	650	SA.4008.3.026	651		
60.3820.29ADA	606	60.9352	616	SA.1002.3.116	660	SA.1015.3.015	650	SA.4008.3.027	651		
60.3830.11	606	60.9359	66	SA.1003.3.001	660	SA.1015.3.025	650	SA.4008.3.102	651		
60.3830.11ADA	606	60.9359	82	SA.1003.3.003	660	SA.1015.3.026	650	SA.4009.3.001	652		
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60.3830.14ADA	606	60.9360	82	SA.1003.3.009	660	SA.1015.3.102	650	SA.4009.3.004	652		
60.3830.29	606	60.9361	49	SA.1003.3.015	660	SA.1015.3.116	650	SA.4009.3.009	652		
60.3830.29ADA	606	60.9361	66	SA.1003.3.017	660	SA.1019.3.001	649	SA.4009.3.015	652		
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60.3840.11ADA	606	60.9392	39	SA.1003.3.026	660	SA.1019.3.004	649	SA.4009.3.025	652		
60.3840.14	606	60.9392	49	SA.1003.3.027	660	SA.1019.3.006	649	SA.4009.3.026	652		
60.3840.14ADA	606	60.9392	66	SA.1003.3.102	660	SA.1019.3.009	649	SA.4009.3.027	652		
60.3840.29	606	60.9392	82	SA.1004.3.001	661	SA.1019.3.014	649	SA.4009.3.102	652		
60.3840.29ADA	606	60.9395	39	SA.1004.3.003	661	SA.1019.3.015	649	SA.4010.3.001	651		
60.6213	618	60.9395	129	SA.1004.3.004	661	SA.1019.3.025	649	SA.4010.3.003	651		
60.6214	618	60.9398	616	SA.1004.3.009	661	SA.1019.3.026	649	SA.4010.3.004	651		
60.6256	618	60.9405	614	SA.1004.3.015	661	SA.1019.3.027	649	SA.4010.3.009	651		
60.6257	618	60.9407	616	SA.1004.3.017	661	SA.1019.3.102	649	SA.4010.3.015	651		
60.6258	618	60.9411	615	SA.1004.3.025	661	SA.1019.3.116	649	SA.4010.3.017	651		
60.6259	618	60.9414	273	SA.1004.3.026	661	SA.1034.3.001	658	SA.4010.3.025	651		
60.6300	618	60.9421	614	SA.1004.3.027	661	SA.1034.3.116	658	SA.4010.3.026	651		
60.6301	618	60.9424	616	SA.1004.3.102	661	SA.1035.1	659	SA.4010.3.027	651		
60.6302	618	60.9439	615	SA.1005.3.001	661	SA.1039.1	657	SA.4010.3.102	651		
60.6303	618	60.9443	671	SA.1005.3.003	661	SA.1040.1	658	SA.5000.1	646		
60.6304	618	60.9467	615	SA.1005.3.004	661	SA.1041.1	658	SA.5001.1	646		
60.6305	618	60.9483	615	SA.1005.3.009	661	SA.1050.1	284	SA.5004.1	645		
60.6306	618	60.9516	66	SA.1005.3.015	661	SA.1051.1	284	SA.5005.1	645		
60.6399	618	60.9592	612	SA.1005.3.017	661	SA.1052.1	285	SA.5006.1F	646		
60.6404	618	60.9601	614	SA.1005.3.025	661	SA.2282.1	634	SA.5007.1F	646		
60.6500	618	60.9602	273	SA.1005.3.026	661	SA.2285.1	634	SA.5008.1	645		
60.6503	618	60.9604	615	SA.1005.3.027	661	SA.2286.1	634	SA.5009.1	645		
60.6504	618	60.9607	15	SA.1005.3.102	661	SA.2293.1	632	SA.5020.5A120	641		
60.6506	618	60.9607	29	SA.1006.4.11V	662	SA.2294.1	632	SA.5020.5A180	641		
60.6507	618	60.9607	39	SA.1006.4.1DA	662	SA.2295.1	632	SA.5020.6A120	641		
60.6509	618	60.9607	129	SA.1006.4.200	662	SA.2295.1	632	SA.5020.6A180	641		
60.6510	618	60.9607	153	SA.1006.4.21V	662	SA.2295.1	633	SA.5021.5A120	641		
60.6512	618	60.9678	39	SA.1006.4.2DA	662	SA.2303.1	633	SA.5021.5A180	641		
60.6513	618	60.9678	107	SA.1006.4.300	662	SA.2303.3.120	633	SA.5021.6A120	641		
60.6515	618	60.9678	129	SA.1006.5D110	662	SA.2304.1	633	SA.5021.6A180	641		
60.6516	618	60.9678	168	SA.1006.6D100	662	SA.2304.3.120	633	SA.5022.5A120	642		
60.6518	618	60.9678	595	SA.1007.4.11V	662	SA.2313.1	632	SA.5022.5A180	642		
60.6519	618	60.9681	49	SA.1007.4.1DA	662	SA.2313.3.120	632	SA.5022.6A120	642		
60.6520	618	60.9681	66	SA.1007.4.200	662	SA.2313.3.140	632	SA.5022.6A180	642		
60.6521	618	60.9681	82	SA.1007.4.21V	662	SA.2313.3.160	632	SA.5023.5A120	642		
60.6522	618	60.9682	49	SA.1007.4.2DA	662	SA.2314.1	632	SA.5023.5A180	642		
60.6523	618	60.9682	66	SA.1007.4.300	662	SA.2314.3.120	632	SA.5023.6A120	642		
60.6616	618	60.9682	82	SA.1007.5D110	662	SA.2314.3.140	632	SA.5023.6A180	642		
60.6617	618	60.9683	49	SA.1007.6D100	662	SA.2314.3.160	632	SA.5061.3.076	655		
60.6618	618	60.9683	66	SA.1008.4.11V	663	SA.2323.1	632	SA.5061.3.0OG	655		
60.6722	618	60.9683	82	SA.1008.4.1DA	663	SA.2324.1	632	SA.5061.3.0V3	655		
60.6723	618	60.9744	614	SA.1008.4.200	663	SA.2325.1	632	SA.5062.3.076	655		
60.6724	618	80.8067	601	SA.1008.4.21V	663	SA.2325.1	633	SA.5062.3.0OG	655		
60.8079	614	F0556020	591	SA.1008.4.2DA	663	SA.2325.1	633	SA.5062.3.0V3	655		
60.8268	616	F0557020	591	SA.1008.4.300	663	SA.2333.1	633	SA.5063.3.076	655		

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