



Industrial LED

July 2021



IP66

POINTER-LED

Bulkhead-PC



IP66

EXTRA-LED

Linear_PC



IP65

HOUND/2/3-MAG-LED

Recessed_Metal/Glass



IP65

HOUND-MAG-LED

Surface_Metal/Glass



IP65

PITBUL-LED

Highbay_Metal/304SS/Glass



IP66

SALUKA-LED

Linear_Metal/304SS/Glass



IP65

STAFORD-LED

Recessed_Metal/304SS/Glass



IP64

BOXER-LED

Bulkhead_Metal/304SS/PC



IP64

CLUMBER-LED

Bulkhead_Metal/304SS/Glass



IP66/ IP67/ IP68/ IP69

**IP69K
CERTIFIED**

AQUA-70-LED-FL

(IP67/68/69K)

Tubular_PC



IP67

IMPACT
RESISTANCE
60J

RAMBO-LED

(Impact Resistance 60J)

Linear_Metal/304SS/PC



IP65

Impact
Resistance
120J

GALGO-LED

(Impact Resistance 120J)

Linear_Metal/304SS/PC



BH24-LED

Bulkhead_Alu/Glass



EMA-LED

Emergency_Alu/PC



TREE-I-LED

(up to 70°C)

Highbay_Alu/Glass/PMMA



SKY-I-LED

(up to 70°C)

Highbay_Alu/Glass/PMMA



BISON-LED

Highbay_Metal/Glass



RUSSELL-LED

Highbay_Metal/Glass/PC



XOLO-LED

Streetlight_Alu/Glass



GREY-LED

Floodlight_Alu/Glass



POINTER-LED

IP 66



Application: Dustproof lighting fixture POINTER-LED with splash water resistance is designed for lighting of corridors, workshops, cellars and garages.

Ballast: EP – electronic 220-240 V/50-60 Hz AC, 220-240 V DC

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: Plastic material PC (polycarbonate), grey colour RAL 7035

Diffuser: PC (polycarbonate) opal

Fastening: Surface ceiling or wall mounting by means of two self-locking fastening brackets (standard equipment) , suspension by means of wire or cable suspenders.

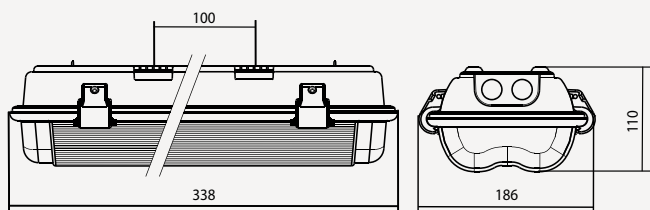
Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm².

Standard equipment: Cable gland Pg13.5 for diameter of cable 7-12 mm and fastening brackets for direct fastening of lighting fixtures to a mounting surface.

Calculated lifetime – LED modules:

L80B10 ta30 – 70 000h

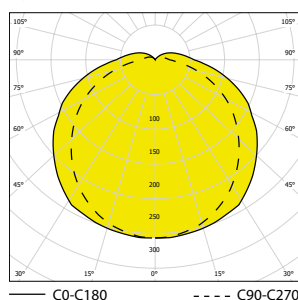
L70B10 ta30 – 100 000h



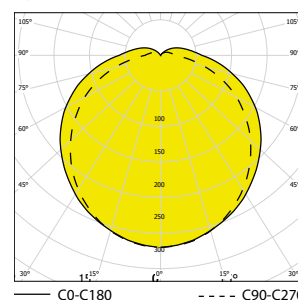
Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture	Mounting spacing (mm)	Weight (kg)
052981	POINTER-I-LED-1R-1300-4K	1160	9	129	50	338 x 186 x 110	100	0,8
052983	POINTER-I-LED-1R-1500-4K	1312	10	131	50	339 x 186 x 110	100	0,8
052985	POINTER-I-LED-1R-1800-4K	1604	13	123	50	340 x 186 x 110	100	0,8
052987	POINTER-I-LED-2R-2250-4K	1941	15	129	40	341 x 186 x 110	100	0,8
052988	POINTER-I-LED-2R-2600-4K	2243	18	125	40	342 x 186 x 110	100	0,9
052989	POINTER-I-LED-2R-2950-4K	2537	20	127	40	343 x 186 x 110	100	1,2

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

POINTER-LED-2R



POINTER-LED-1R

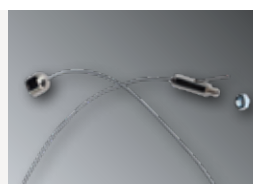


Accessories on request



Suspended mounting

051106 Suspension bracket with accessories



Suspended mounting

051131 Cable suspension VIPET (2pcs)

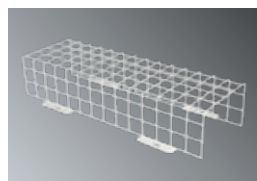


003571 Stainless steel clip - POINTER, VIPET



Direct mounting

001718 Stainless steel fastening bracket - POINTER 2x

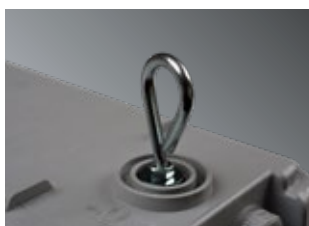


001744 LAK Protective cage POINTER 2x11W



061066 POINTER wall bracket

Lighting fixture detail



On request

EM-1/3 - non-maintained emergency lighting

DIM - dimmable electronic ballast (DALI, DSI, 1-10V)

GESIS - possibility to equip lighting fixtures with connectors

zones **NANO** - lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

ADELS - possibility to equip lighting fixtures with a connector terminal block

MULTI-1/3 - maintained emergency lighting

2.7K-6.5K - colour temperature

RN - outdoor application for uncovered areas

II - insulation class

NSPB - stainless steel clip and fastening bracket

NSP - stainless steel clip

NUP - stainless steel fastening bracket

Standard order number	MULTI-1H	MULTI-3H	DALI	1F	3F	RN	NSP	MULTI-1H-NSP	MULTI-3H-NSP	DALI-NSP
052981	051980	051983	052981 DALI	X	X	051973	052981 NSP	051980 NSP	051983 NSP	052981 DALI NSP
052983	051981	051979	052983 DALI	X	X	051974	052983 NSP	051981 NSP	051979 NSP	052983 DALI NSP
052985	051982	051978	052985 DALI	X	X	051975	052985 NSP	051982 NSP	051978 NSP	052985 DALI NSP
052987	X	X	052987 DALI	X	X	051976	052987 NSP	X	X	052987 DALI NSP
052988	X	X	052988 DALI	X	X	051977	052988 NSP	X	X	052988 DALI NSP
052989	X	X	052989 DALI	X	X	051985	052989 NSP	X	X	052989 DALI NSP

EM

051972

051984

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EXTRA-LED

IP 66

5 year warranty



Application: Dustproof lighting fixture of new generation EXTRA-LED with splash water resistance is designed for workshops, warehouses, manufacturing areas, and garages.

Ballast: EP – electronic 220-240 V/50-60 Hz AC, 220-240 V DC

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: Plastic material PC (polycarbonate), ABS (acrylonitrile-butadiene-styrene), grey colour RAL 7035

Diffuser: PC (polycarbonate) opal, SAN (styrene-acrylonitrile) opal

Fastening: Surface ceiling or wall mounting by means of two self-locking fastening brackets (standard equipment) or set of wall brackets - angle 45°, pole mounting via set of pole brackets, suspension by means of wire or cable suspenders.

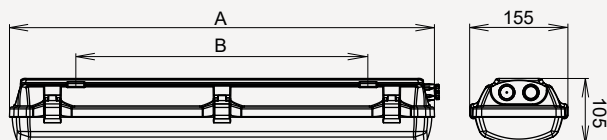
Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm².

Standard equipment: Cable gland Pg13.5 for diameter of cable 7-12 mm and fastening brackets for direct fastening of lighting fixture to a mounting surface

Calculated lifetime – LED modules:

L80B10 ta30 – 70 000h

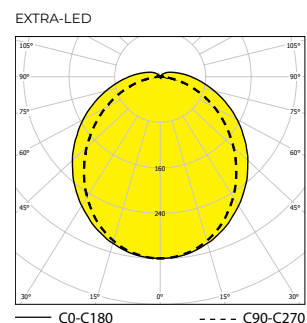
L70B10 ta30 – 100 000h



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A (mm)	Mounting spacing B (mm)	Weight (kg)
4000K								
055186	EXTRA-LED-1250-218-4K	1088	8	136	40	670	460	1,4
055187	EXTRA-LED-2500-218-4K	2175	16	136	40	670	460	1,4
055188	EXTRA-LED-5000-218-4K	4305	33	130	40	670	460	1,5
055183	EXTRA-LED-2500-236-4K	2224	17	131	45*	1280	880	2,3
055182	EXTRA-LED-5000-236-4K	4449	33	135	40*	1280	880	2,5
055184	EXTRA-LED-10000-236-4K	8611	66	130	40	1280	880	2,7
055181	EXTRA-LED-3750-258-4K	3337	25	133	45*	1580	1000	2,9
055180	EXTRA-LED-7500-258-4K	6674	50	133	45*	1580	1000	2,8
055185	EXTRA-LED-12550-258-4K	10777	80	135	40	1580	1000	3,2
055228 NSP	EXTRA-LED-16700-258-4K	13730	94	146	40	1580	1000	3,2
055240 NSP	EXTRA-LED-20000-258-4K	16311	115	142	40	1580	1000	3,2

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

* NSP - in version with stainless steel clips its declared for ambient temperature ta 50°C



Accessories on request



Suspended mounting

051131 Cable suspension-EXTRA-2x (3m)



064643 Set of wall brackets - angle 45° EXTRA (2 pcs)

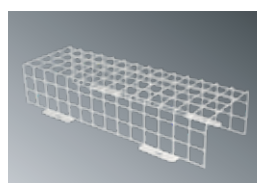


Suspended mounting

001696 Wire suspension EXTRA



051157 Pole bracket EXTRA (for Ø 50 mm)



001748 LAK Protective cage EXTRA 18W

001749 LAK Protective cage EXTRA 36W

001750 LAK Protective cage EXTRA 58W



008029 Cable gland PG 13.5 with nut HEAVY DUTY RAL 7004

008501 Sealing plug M20

Lighting fixture detail



On request

DIM – dimmable electronic ballast (DALI,DSI, 1-10V)

GESIS – possibility to equip lighting fixtures with connectors

NANO – lighting fixtures can be protected by a special nano-layer (hydrophobic, oleophobic or antibacterial protection)

1/3 F - single-phase or three phase through wiring connection, maximum diameter of wires 2.5 mm²

2.7K-6.5K - colour temperature

II - Insulation class II

EM-1/3 - non-maintained emergency lighting

MULTI-1/3 - maintained emergency lighting

NSP - stainless steel clip

ADELS - possibility to equip lighting fixtures with a connector terminal block

NUP - stainless steel fastening bracket

NSPP - stainless steel clip and fastening bracket

RN - outdoor application for uncovered areas

Stadard order number PC	MULTI-1H	MULTI-3H	DALI	1F	3F	RN	NSP	MULTI-1H-NSP	MULTI-3H-NSP	DALI-NSP
055186	055223	055224	055217	055186 1F	055186 3F	055206	055186 NSP	055223 NSP	055224 NSP	055217 NSP
055187	055190	055193	055218	055187 1F	055187 3F	055205	055187 NSP	055190 NSP	055193 NSP	055218 NSP
055188	X	X	055219	055188 1F	055188 3F	055204	055188 NSP	X	X	055219 NSP
055183	055220	055225	055201	055183 1F	055183 3F	055211	055183 NSP	055220 NSP	055225 NSP	055201 NSP
055182	055191	055194	055199	055182 1F	055182 3F	055209	055182 NSP	055191 NSP	055194 NSP	055199 NSP
055184	055221	055203	055216	055184 1F	055184 3F	055210	055184 NSP	055221 NSP	055203 NSP	055216 NSP
055181	055197	055196	055215	055181 1F	055181 3F	055212	055181 NSP	055197 NSP	055196 NSP	055215 NSP
055180	055192	055195	055189	055180 1F	055180 3F	055207	055180 NSP	055192 NSP	055195 NSP	055189 NSP
055185	055245	055247	055200	055185 1F	055185 3F	055208	055185 NSP	055222 NSP*	055202 NSP*	055200 NSP
055228	X	X	X	055228 1F	055228 3F	055239	055228 NSP			

Stadard order number SAN	MULTI-1H	MULTI-3H	DALI	1F	3F	EM
055086	055096	054956	055149	055086 1F	055086 3F	055230
055087	055097	054957	055147	055087 1F	055087 3F	055231
055088	055098	054958	055148	055088 1F	055088 3F	055232
055083	055093	054953	055143	055083 1F	055083 3F	055233
055082	055092	054952	055142	055082 1F	055082 3F	055234
055084	055094	054954	055144	055084 1F	055084 3F	055235
055081	055091	054951	055141	055081 1F	055081 3F	
055080	055090	054950	055140	055080 1F	055080 3F	
055085	055095*	054955*	055145	055085 1F	055085 3F	

* declared for reduced ambient temperature ta 30°C

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HOUND/3-MAG-LED

IP 65

5 year warranty



Application: Recessed lighting fixture HOUND/3-MAG-LED is primarily designed for clean rooms. Thanks to frameless structure of the diffuser without screws and with clean design for easy maintenance, it is designed for clean rooms with required higher IP degree of protection, such as hospitals, laboratories.

Ballast: EP – electronic 220-240 V/ 50-60 Hz AC, 220-240 V DC 0Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: GLM – matt hardened safety glass

Fastening: Mounting to ceiling modules 600 and to plasterboard by means of special set of brackets for plasterboard (not a part of the lighting fixture). Minimum height of false ceiling void is 200 mm.

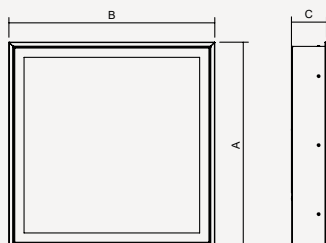
Connection: Screwless terminal block for easy mounting, maximum diameter of wires 2.5 mm². The lighting fixture is prepared for loop-in (possibility of connection of two cables)

Standard equipment: Rubber plug M20 for diameter of cable 7-12 mm

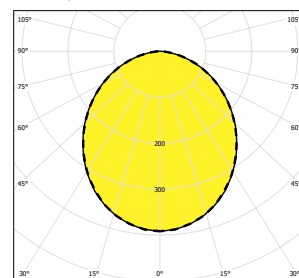
Calculated lifetime – LED modules:

L80B10 ta30 – 70 000h

L70B10 ta30 – 100 000h)

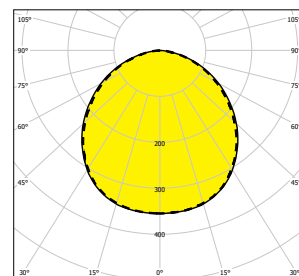


HOUND/3-MAG-LED-GLM



— C0-C180 - - - - C90-C270

HOUND/3-MAG-LED-SQ-GLM



— C0-C180 - - - - C90-C270

Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting hole (mm)	Weight (kg)
4000K								
059767	HOUND/3-MAG-LED-SQ-OP-5100-4K	4481	31	145	30	596x596x100	586x586	9
059768	HOUND/3-MAG-LED-SQ-OP-6100-4K	4929	35	141	30	596x596x100	586x586	9
059769	HOUND/3-MAG-LED-SQ-OP-7100-4K	7012	47	149	30	596x596x100	586x586	9
3000K								
059797	HOUND/3-MAG-LED-SQ-OP-5100-3K	4320	31	139	30	596x596x100	586x586	9
059798	HOUND/3-MAG-LED-SQ-OP-6100-3K	5190	37	140	30	596x596x100	586x586	9
059799	HOUND/3-MAG-LED-SQ-OP-7100-3K	6496	47	138	30	596x596x100	586x586	9

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

Accessories on request



051143 Set of brackets for plasterboard HOOVER3/HOUND3-LED



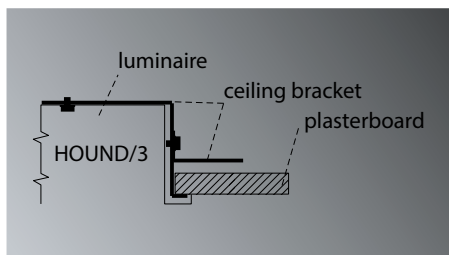
051199 Set of brackets for plasterboard HOOVER3/HOUND3-LED-SQ



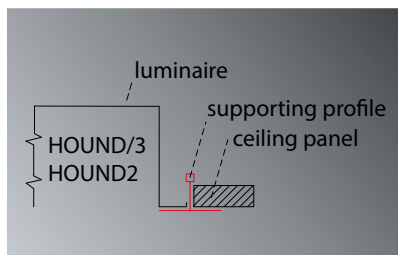
002021 Suction cup for glass opening HOUND4-MAG

Lighting fixture detail

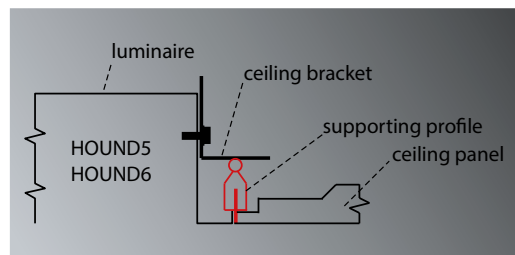
HOUND/3



HOUND/3, HOUND2



HOUND5, HOUND6



On request

Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – other colour scale

2.7K-6.5K – various colour temperatures

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

GESIS – possibility to equip lighting fixtures with connectors

HOUND2 - version for false ceiling M625

HOUND5 - version for false ceiling M598

HOUND6 - version for metal ceiling M623

ATYP FALSE-CEILING - in case of other false-ceiling, please, contact the technical support

CRI - colour rendering index > 90

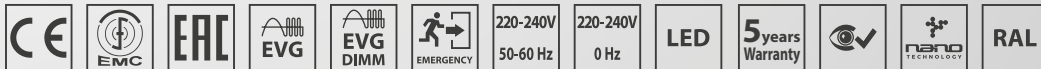
Standard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
4000K							
059767	X	X	059767 1H	059767 3H	059767 DALI	X	X
059768	X	X	059768 1H	059768 3H	059768 DALI	X	X
059769	X	X	059769 1H	059769 3H	059769 DALI	X	X
3000K							
059797	X	X	059797 1H	059797 3H	059797 DALI	X	X
059798	X	X	059798 1H	059798 3H	059798 DALI	X	X
059799	X	X	059799 1H	059799 3H	059799 DALI	X	X



HOUND4-MAG-LED

IP 65

5 year warranty



Application: Surface mounted lighting fixture HOUND4-MAG-LED is primarily designed for clean rooms. Thanks to frameless structure of the diffuser without screws and with clean design for easy maintenance, it is designed for clean rooms with required higher IP degree of protection, such as hospitals, laboratories.

Ballast: EP – electronic 220-240 V/50-60 Hz AC, 220-240 V DC 0Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

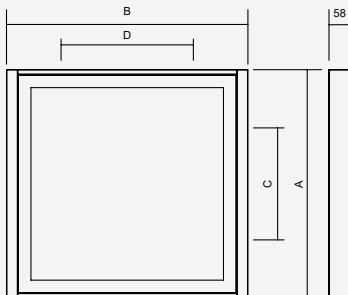
Diffuser: GLM – matt hardened safety glass

Fastening: Surface mounted on the ceiling

Connection: Screwless terminal block for easy mounting, maximum diameter of wires 2.5 mm². The lighting fixture is prepared for loop-in (possibility of connection of two cables)

Standard equipment: Rubber plug M20 for diameter of cable 7-12 mm

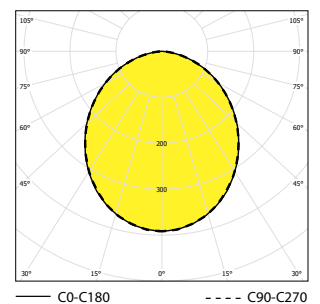
Calculated lifetime – LED modules: L80B10 ta30 – 70 000h
L70B10 ta30 – 100 000h



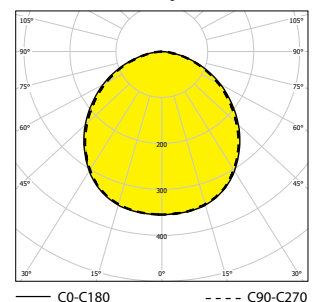
Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B (mm)	Mounting spacing C x D (mm)	Weight (kg)
4000K								
059861	HOUND4-MAG-LED-SQ-3800-4K	3787	24	158	30	595x627x58	400x400	8,8
059863	HOUND4-MAG-LED-SQ-5300-4K	4742	31	153	30	595x627x58	400x400	8,8
059865	HOUND4-MAG-LED-SQ-7300-4K	6172	39	158	30	595x627x58	400x400	8,8
059911	HOUND4-MAG-LED-2700-4K	2509	18	139	30	595x330x58	480x200	5,3
059913	HOUND4-MAG-LED-3600-4K	3275	25	131	30	595x330x58	480x200	5,3
059915	HOUND4-MAG-LED-6400-4K	5769	42	137	30	1189x330x58	1100x200	8,8
059917	HOUND4-MAG-LED-8000-4K	7315	56	131	30	1189x330x58	1100x200	8,8
3000K								
059860	HOUND4-MAG-LED-SQ-3800-3K	3650	24	152	30	595x627x58	400x400	8,8
059862	HOUND4-MAG-LED-SQ-5300-3K	4572	31	147	30	595x627x58	400x400	8,8
059864	HOUND4-MAG-LED-SQ-7300-3K	5950	39	153	30	595x627x58	400x400	8,8
059910	HOUND4-MAG-LED-2700-3K	2396	18	133	30	595x330x58	480x200	5,3
059912	HOUND4-MAG-LED-3600-3K	3135	25	125	30	595x330x58	480x200	5,3
059914	HOUND4-MAG-LED-6400-3K	5513	42	131	30	1189x330x58	1100x200	8,8
059916	HOUND4-MAG-LED-8000-3K	6987	56	125	30	1189x330x58	1100x200	8,8

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

HOUND4-MAG-LED-GLM



HOUND4-MAG-LED-SQ-GLM



Accessories on request



002021 Suction cup for glass opening HOUND4-MAG

On request

Em – non-maintained emergency lighting (1h, 3h)

MULTI – maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

RAL – other colour scale

2.7K-6.5K – various colour temperatures

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

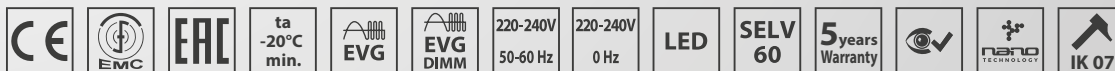
CRI - colour rendering index > 90

Stadard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
4000K							
059861	X	X	059861 1H	059861 3H	059861 DALI	X	X
059863	X	X	059863 1H	059863 3H	059863 DALI	X	X
059865	X	X	059865 1H	059865 3H	059865 DALI	X	X
059911	X	X	X	X	059911 DALI	X	X
059913	X	X	X	X	059913 DALI	X	X
059915	X	X	059915 1H	059915 3H	059915 DALI		
059917	X	X	059917 1H	059917 3H	059917 DALI		
3000K							
059860	X	X	059860 1H	059860 3H	059860 DALI	X	X
059862	X	X	059862 1H	059862 3H	059862 DALI	X	X
059864	X	X	059864 1H	059864 3H	059864 DALI	X	X
059910	X	X	X	X	059910 DALI	X	X
059912	X	X	X	X	059912 DALI	X	X
059914	X	X	059914 1H	059914 3H	059914 DALI		
059916	X	X	059916 1H	059916 3H	059916 DALI		



PITBUL-LED

IP 65



Application: Robust metal lighting fixture PITBUL-LED with high degree of protection is designed for areas, such as heavy industry, areas with occurrence of aggressive substances (e.g. oils, greases) and other manufacturing areas.

Ballast: EP – electronic 220-240 V/50-60 Hz AC, 220-240 V DC

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: CL – clear hardened safety glass
OP – matt hardened safety glass

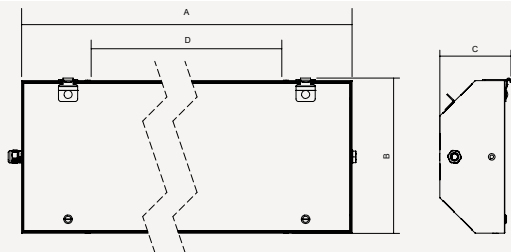
Reflector: White painted steel sheet RAL 9003

Fastening: Direct surface mounting by means of M8 screws, suspension via suspending brackets, recessed mounting via the frame, ceiling mounting via set of ceiling brackets, pole mounting via set of pole brackets, wall mounting via set of adjustable brackets.

Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm²

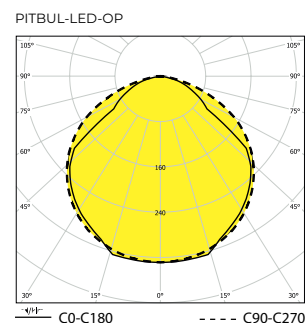
Standard equipment: Cable gland Pg13.5 for diameter of cable 7-12 mm and sealing plug.

Calculated lifetime – LED modules: L80B10 ta35 – 70 000h, L70B10 ta35 – 100 000h

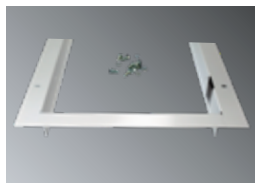


Order number	Name	Lighting fixture luminous lux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting spacing D (mm)	Weight (kg)
4000K								
051850	PITBUL-LED-OP-5000-218-4K	4470	35	128	65	703x310x142	450	9,1
051851	PITBUL-LED-OP-10000-236-4K	8940	70	128	55	1313x310x142	800	13,8
051852	PITBUL-LED-OP-15000-258-4K	13410	104	129	55	1613x310x142	1100	16,6
051853	PITBUL-LED-OP-10000-418-4K	8899	70	127	55	703x369x142	450	8,9
051854	PITBUL-LED-OP-18300-436-4K	15895	121	131	50	1313x369x142	800	16,1
051855	PITBUL-LED-OP-29000-458-4K	24845	195	127	45	1613x369x142	1100	19,6

Tolerance of luminous flux and power input of the lighting fixture +/- 10%



Accessories on request



053941	Set of recessed frame PITBUL 1x-3x18W
053942	Set of recessed frame PITBUL 4x18W
053943	Set of recessed frame PITBUL 1x-3x36W
053944	Set of recessed frame PITBUL 4x36W
053945	Set of recessed frame PITBUL 1x-3x58W
053946	Set of recessed frame PITBUL 4x58W



Direct mounting

054935	Set of stainless steel ceiling brackets PITBUL (2 pcs)
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Direct mounting

053940	Set of adjustable brackets PITBUL
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Suspended mounting

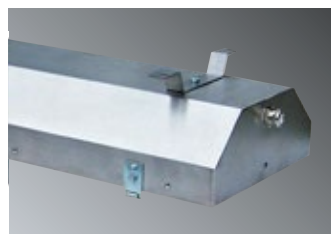
004642	Suspension bracket DIN 580 M8 PITBUL - 1 pc
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Suspended mounting

051146	Pole bracket PITBUL (for Ø 50 mm)
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Lighting fixture detail



On request

DIM – dimmable electronic ballast (DALI, DSI, 1-10V)

GESIS – possibility to equip lighting fixtures with connectors

MULTI-1/3 - maintained emergency lighting

EM-1/3 - non-maintained emergency lighting

NEREZ – housing is made from stainless steel AISI 304 or AISI 316
(in case of STAINLESS STEEL version its declared for ambient temperature decreased about 5-10°C)

27K-6.5K - colour temperature

RAL - other colour scale

1/3 F - single-phase or three phase through wiring connection, maximum diameter of wires 2.5 mm²

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleo phobic or antibacterial protection)

CL - clear hardened safety glass

SF - silicone free

Standard order number	MULTI-1H	MULTI-3H	DALI	1F	3F	EM
051850	051856	051862	051871	051850 1F	051850 3F	051877
051851	051857	051863	051872	051851 1F	051851 3F	051878
051852	051858	051864	051873	051852 1F	051852 3F	051879
051853	051859	051865	051874	051853 1F	051853 3F	051880
051854	051860	051866	051875	051854 1F	051854 3F	051881
051855	051861	051867	051876	051855 1F	051855 3F	051882

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SALUKA-LED

IP 66

5 year warranty



Application: Metal dustproof lighting fixture SALUKA-LED with splash water resistance designed for workshops, garages, industrial and production areas.

Ballast: EP – electronic 220-240 V/50-60 Hz AC, 220-240 V DC

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: Clear hardened safety glass
OP - matt hardened safety glass

Reflector: White painted steel sheet RAL 9003

Fastening: Direct surface wall or ceiling mounting, ceiling mounting by means of ceiling brackets or adjustable brackets, wall mounting by means of wall arm brackets, pole mounting by means of pole brackets, suspension via set of suspension hooks (standard equipment)

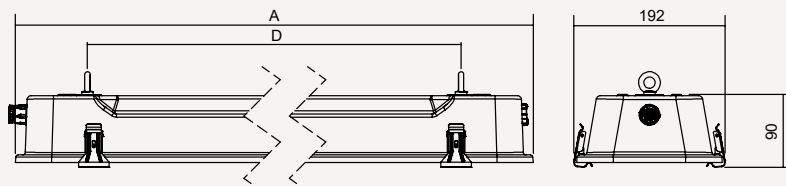
Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm².

Standard equipment: 1 pc M20 cable gland for diameter of cable 7-12 mm, 1 pc M20 sealing plug, 2 pcs suspending hook, 2 pcs rubber gasket

Calculated lifetime – LED modules:

L80B10 ta40 – 75 000h

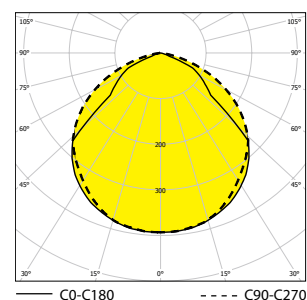
L70B10 ta40 – 110 000h



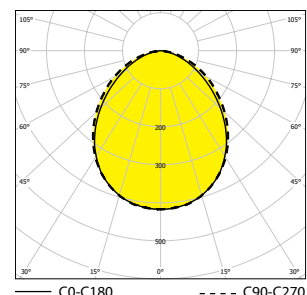
Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A (mm)	Mounting spacing D (mm)	Weight (kg)
- transparent glass								
053030	SALUKA-LED-2500-218-4K	2120	16	133	45	705	510	3,8
053031	SALUKA-LED-5000-218-4K	4166	33	126	45	705	510	3,9
053032	SALUKA-LED-5000-236-4K	4336	33	131	60	1305	1110	7,1
053033	SALUKA-LED-10000-236-4K	8333	66	126	45	1305	1110	7
053034	SALUKA-LED-7500-258-4K	6504	50	130	45	1605	1410	8,1
053035	SALUKA-LED-12550-258-4K	10429	80	130	40	1605	1410	8,3
- opal glass								
053036	SALUKA-LED-OP-2500-218-4K	2079	16	130	45	705	510	3,8
053037	SALUKA-LED-OP-5000-218-4K	4362	33	132	45	705	510	3,9
053038	SALUKA-LED-OP-5000-236-4K	4254	33	129	60	1305	1110	7,1
053039	SALUKA-LED-OP-10000-236-4K	8724	66	132	45	1305	1110	7
053040	SALUKA-LED-OP-7500-258-4K	6381	50	128	45	1605	1410	8,1
053041	SALUKA-LED-OP-12550-258-4K	10918	80	136	40	1605	1410	8,3

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

SALUKA-LED-4K



SALUKA-LED-OP-4K



Accessories on request

	051139 Set of ceiling brackets SALUKA (2 pcs)		051145 Pole bracket SALUKA stainless steel (for Ø 50 mm)
			064018 Pole bracket SALUKA stainless steel (for Ø 40 mm)
	063754 Set of adjustable brackets SALUKA (2 pcs)		051147 Stainless steel wall arm bracket SALUKA 60° (1 pc)

Lighting fixture detail



On request

DIM – dimmable electronic ballast (DALI, DSI, 1-10V)

GESIS – possibility to equip lighting fixtures with connectors

MULTI-1/3 - maintained emergency lighting

EM-1/3 - non-maintained emergency lighting

NANO - lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

FOOD – the lighting fixture is provided with PC diffuser that is suitable for food industry (IP64)

2.7K-6.5K - colour temperature

1/3 F - single-phase or three phase through wiring connection, maximum diameter of wires 2.5 mm²

NEREZ – housing is made from stainless steel AISI 304 or AISI 316 (in case of STAINLESS STEEL version its declared for ambient temperature decreased about 5-10°C)

ADELS - possibility to equip lighting fixtures with connector terminal block

Standard order number	MULTI-1H	MULTI-3H	DALI	1F	3F
053030	053072	053082	053005	053030 1F	053030 3F
053031	053073	053083	053006	053031 1F	053031 3F
053032	053070	053084	053007	053032 1F	053032 3F
053033	053074	053085	053008	053033 1F	053033 3F
053034	053071	053086	053009	053034 1F	053034 3F
053035	053075	053087	053010	053035 1F	053035 3F
053036	053076	053088	053011	053036 1F	053036 3F
053037	053077	053089	053012	053037 1F	053037 3F
053038	053078	053068	053013	053038 1F	053038 3F
053039	053079	053090	053014	053039 1F	053039 3F
053040	053080	053069	053015	053040 1F	053040 3F
053041	053081	053091	053016	053041 1F	053041 3F

EM					
053092	X	X	X	053092 1F	053092 3F
053093	X	X	X	053093 1F	053093 3F
053094	X	X	X	053094 1F	053094 3F
053095	X	X	X	053095 1F	053095 3F
053096	X	X	X	053096 1F	053096 3F
053097	X	X	X	053097 1F	053097 3F



STAFORD-LED

IP 65

5 year warranty



Application: Recessed antivandal lighting fixture STAFORD-LED with resistance against dust and with splash water resistance is designed for areas with high risk of damage, such as prison cells, psychiatric hospitals, underpasses, tunnels, underground stations and railway station platforms.

Ballast: EP – electronic 220-240 V / 50-60 Hz AC , 220-240V DC 0Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: Combination of painted sheet RAL 9003 and opal polycarbonate diffuser

Reflector: White painted steel sheet RAL 9003

Fastening: Recessed ceiling mounting

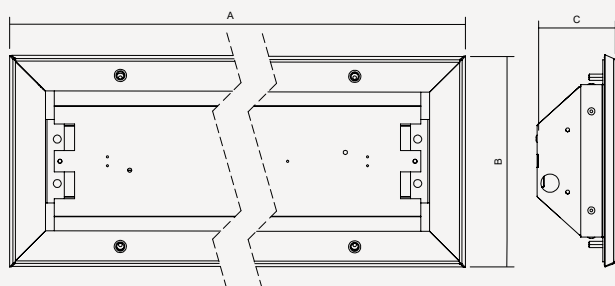
Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm²

Standard equipment: 2 pcs cable gland, washers with rubber to seal mounting holes, safety screws (it is necessary to order additionally 004778 - Bit for safety screw with socket head and pin s=3)

Calculated lifetime – LED modules:

L80B10 ta30 – 70 000h

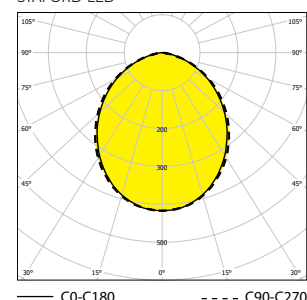
L70B10 ta30 – 100 000h



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting hole (mm)	Weight (kg)
057690	STAFORD-LED-OP-3500-4K	2562	21	122	30	653x255x95	605x200	6
057691	STAFORD-LED-OP-4650-4K	3368	29	116	30	653x255x95	605x200	6
057692	STAFORD-LED-OP-5350-4K	3890	34	114	30	653x255x95	605x200	6
057693	STAFORD-LED-OP-7000-4K	5052	43	117	30	953x255x95	905x200	10
057694	STAFORD-LED-OP-8000-4K	5838	51	114	30	953x255x95	905x200	10
057695	STAFORD-LED-OP-9300-4K	6736	58	116	30	1253x255x95	1205x200	14
057696	STAFORD-LED-OP-10650-4K	7781	68	114	30	1253x255x95	1205x200	14

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

STAFORD-LED



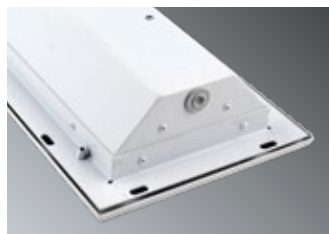
Accessories on request



002022	STAFORD installation box L=1 253 mm
002025	STAFORD installation box L= 953 mm
002026	STAFORD installation box L= 653 mm

note: only in case of concrete base / concrete niche

Lighting fixture detail



On request

Em – non-maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

2.7K-6.5K – colour temperature

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

GLASS – hardened safety glass

MW SENSOR - microwave sensor (in case of requirement for a sensor, contact the technical support)

MULTI – maintained emergency lighting (1h, 3h)

RAL – other colour scale

1/3 F – single-phase or three phase through wiring connection, maximum diameter of wires 2.5 mm²

NEREZ - housing produced from stainless steel AISI 304 or AISI 316

(in case of STAINLESS STEEL version its declared for ambient temperature decreased about 5-10°C)

NIGHT LIGHT - equipped with 4-8W LED source for night-time lighting 3K or 4K

II - insulation class II

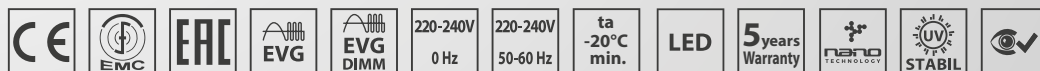
Standard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
057690	X	X	X	X	057690 DALI	X	X
057691	X	X	X	X	057691 DALI	X	X
057692	X	X	X	X	057692 DALI	X	X
057693	X	X	057693 1H	057693 3H	057693 DALI	X	X
057694	X	X	057694 1H	057694 3H	057694 DALI	X	X
057695	X	X	057695 1H	057695 3H	057695 DALI	X	X
057696	X	X	057696 1H	057696 3H	057696 DALI	X	X



BOXER-LED

IP 65

5 year warranty



Application: Antivandal lighting fixture BOXER-LED with dust and splash water resistance is designed for areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic 220-240 V/50-60 Hz AC, 220-240 V

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: Polycarbonate in combination with painted steel frame RAL9003

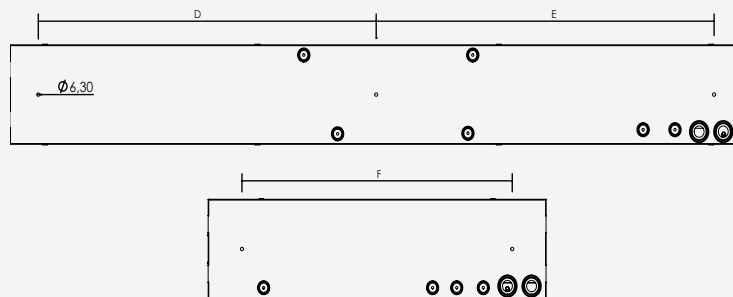
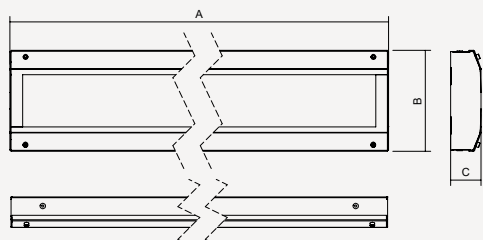
Reflector: Highly polished aluminium sheet

Fastening: Surface wall or ceiling mounting, recessed via frame for recessed installation or cornerr mounted via set for corner installation

Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm². The lighting fixture is prepared for loop-in (possibility of connection of two cables)

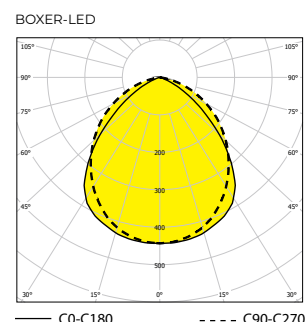
Standard equipment: 2 pcs cable gland, washers with rubber to seal mounting holes, safety screws (it is necessary to order additionally 004778 - Bit for safety screw with socket head and pin s=3)

Calculated lifetime – LED modules:
L80B10 ta30 – 70 000h
L70B10 ta30 – 100 000h

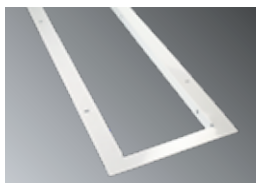


Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting spacing Dx E/F (mm)	Weight (kg)
053495	BOXER-LED-1450-4K	1064	8	133	30	420x184x56	320	2,8
053489	BOXER-LED-1650-4K	1339	11	122	30	420x184x56	320	2,8
053494	BOXER-LED-2900-4K	2268	18	126	30	700x184x56	560	4,7
053491	BOXER-LED-3300-4K	2679	22	122	30	700x184x56	560	4,7
053497	BOXER-LED-5800-4K	4537	36	126	30	1257x184x56	550x550	7
053487	BOXER-LED-6600-4K	5089	41	124	30	1257x184x56	550x550	7
053499	BOXER-LED-7200-4K	6020	48	125	30	1537x184x56	700x700	9
053485	BOXER-LED-8200-4K	6361	51	125	30	1537x184x56	700x700	9

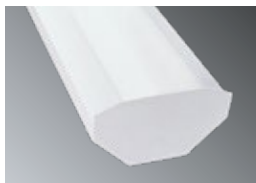
Tolerance of luminous flux and power input of the lighting fixture +/- 10%



Accessories on request



053412	Recessed frame BOXER-LED 10W, 13W (420 mm)
053413	Recessed frame BOXER-LED 21W, 25W (700 mm)
053414	Recessed frame BOXER-LED 42W, 50W (1257 mm)
053415	Recessed frame BOXER-LED 43W, 63W (1537 mm)



053416	Set for corner installation BOXER-LED 10W, 13W (420 mm)
053417	Set for corner installation BOXER-LED 21W, 25W (700 mm)
053418	Set for corner installation BOXER-LED 42W, 50W (1257 mm)
053419	Set for corner installation BOXER-LED 43W, 63W (1537 mm)

On request

Em – non-maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

2.7K-6.5K – colour temperature

NEREZ - housing produced from stainless steel AISI 304 or AISI 316

(in case of STAINLESS STEEL version its declared for ambient temperature decreased about 5-10°C)

MW SENSOR - microwave sensor (in case of requirement for sensor, contact the technical support)

MULTI – maintained emergency lighting (1h, 3h)

RAL – other colour scale

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

NIGHT LIGHT - equipped with 4-8W LED source for night-time lighting

SKLO – hardened safety glass

Standard order number	MULTI-1,5H	MULTI-3H	DALI	1F	3F
053495	053495 1H	053495 3H	053495 DALI	X	X
053489	053489 1H	053489 3H	053489 DALI	X	X
053494	053494 1H	053494 3H	053494 DALI	X	X
053491	053491 1H	053491 3H	053491 DALI	X	X
053497	053497 1H	053497 3H	053497 DALI	X	X
053487	053487 1H	053487 3H	053487 DALI	X	X
053499	053499 1H	053499 3H	053499 DALI	X	X
053485	053485 1H	053485 3H	053485 DALI	X	X

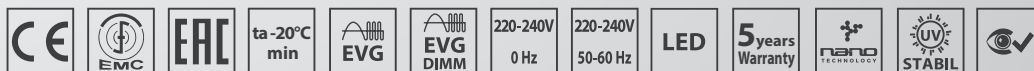


CLUMBER-LED

IP 64

5 year warranty

IK10 (5kg@40cm)



Application: Antivandal lighting fixture CLUMBER-LED with dust and splash water resistance is designed for areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic 220-240 V / 50-60 Hz AC, 220-240 V DC 0Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: Combination of painted sheet RAL 9003 and opal polycarbonate diffuser

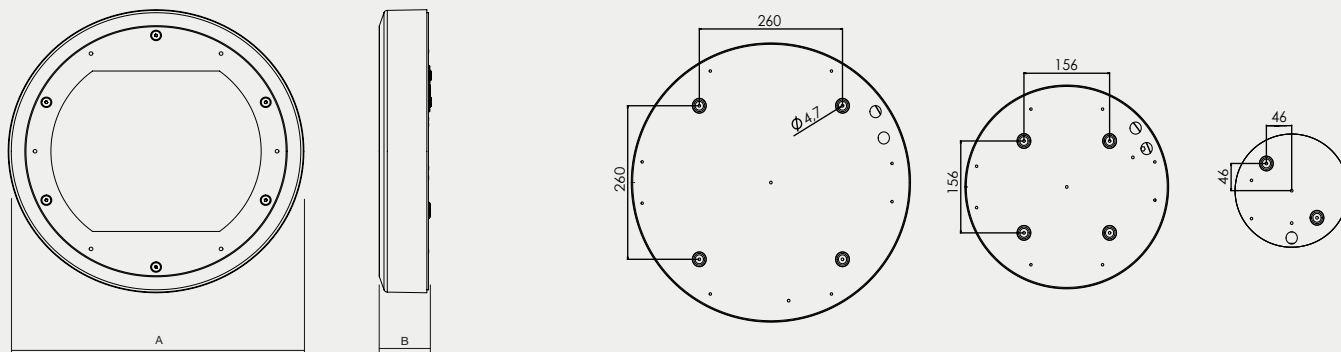
Reflector: Highly polished aluminium sheet

Fastening: Surface wall or ceiling mounting

Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm². The lighting fixture is prepared for loop-in (possibility of connection of two cables)

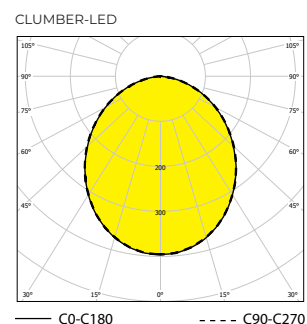
Standard equipment: 2 pcs cable gland, washers with rubber to seal mounting holes, safety screws (it is necessary to order additionally 004778 - Bit for safety screw with socket head and pin s=3)

Calculated lifetime – LED modules: L80B10 ta30 – 70 000h
L70B10 ta30 – 100 000h

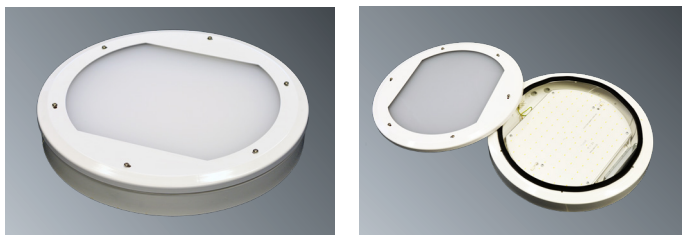


Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B (mm)	Weight (kg)
053550	CLUMBER1-LED-OP-4500-4K	3276	29	113	30	505x63	7,5
053551	CLUMBER1-LED-OP-3900-4K	2842	25	114	30	505x63	7,5
053552	CLUMBER1-LED-OP-5100-4K	3693	34	109	30	505x63	7,5
053553	CLUMBER1-LED-OP-6200-4K	4472	43	104	30	505x63	7,5
053554	CLUMBER2-LED-OP-1950-4K	1404	13	108	30	370x63	4,2
053555	CLUMBER2-LED-OP-1700-4K	1218	11	111	30	370x63	4,2
053556	CLUMBER2-LED-OP-2200-4K	1582	14	113	30	370x63	4,2
053557	CLUMBER2-LED-OP-2650-4K	1916	18	106	30	370x63	4,2
053558	CLUMBER3-LED-OP-1150-4K	959	8	120	30	208x66	1,8
053559	CLUMBER3-LED-OP-1500-4K	1225	12	102	30	208x66	1,8

Tolerance of luminous flux and power input of the lighting fixture +/- 10%



Lighting fixture detail



On request

Em – non-maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

MULTI – maintained emergency lighting (1h, 3h)

RAL – other colour scale

2.7K-6.5K – colour temperature

Standard order number	MULTI-1,5H	MULTI-3H	DALI	1F	3F
053550	053550 1H	053550 3H	053550 DALI	X	X
053551	053551 1H	053551 3H	053551 DALI	X	X
053552	053552 1H	053552 3H	053552 DALI	X	X
053553	053553 1H	053553 3H	053553 DALI	X	X
053554	053554 1H	X	053554 DALI	X	X
053555	053555 1H	X	053555 DALI	X	X
053556	053556 1H	X	053556 DALI	X	X
053557	053557 1H	X	053557 DALI	X	X
053558	X	X	053558 DALI	X	X
053559	X	X	053559 DALI	X	X



AQUA-70-LED

IP 66, IP68, IP69K

5 year warranty



Application: Dustproof lighting fixture AQUA-70-LED with splash water resistance (IP69) and immersion to 15 m resistance (IP68) is designed for areas at car washes, dams, water tanks, swimming pools, and chemical industry. Due to construction and thick-wall housing the lighting fixture is mechanically very resistant.

Ballast: EP – electronic 220 – 240 V / 50 Hz-60Hz AC, 220-240 V DC

Light source: LED, 4000K, CRI +80, MacAdam3

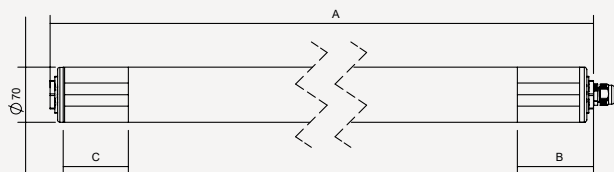
Housing: Tube of 70 mm external diameter and 4 mm wall thickness made of opal PC - IK10 (polycarbonate) or opal PMMA - IK06 (polymethyl methacrylate) terminated with sealing plugs.

Fastening: Surface wall or ceiling mounting by means of plastic or stainless steel mounting brackets (not standard equipment) or suspension by means of cable suspenders

Connection: Screwless connector terminal block, maximum diameter of wires 2.5mm². The lighting fixture can be delivered with a pre-installed cable.

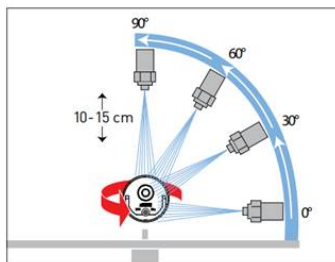
Standard equipment: Cable gland M20 for diameter of cable 6-13mm.

Calculated lifetime – LED modules: L80B10 ta30 – 70 000h
L70B10 ta30 – 100 000h



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting hole A x B (mm)	Weight (kg)
PC								
084130	AQUA-70-LED-FL-2500-4K	1903	17	112	50	780x70x70	-	1,6
084131	AQUA-70-LED-FL-5000-4K	3806	35	109	40	1270x70x70	-	2,4
084132	AQUA-70-LED-FL-7800-4K	5709	52	110	40	1740x70x70	-	3,1
PMMA								
084150	AQUA-70-LED-FL-PMMA-2500-4K	1954	17	115	50	780x70x70	-	1,6
084151	AQUA-70-LED-FL-PMMA-5000-4K	3909	35	112	40	1270x70x70	-	2,4
084152	AQUA-70-LED-FL-PMMA-7800-4K	5864	52	113	40	1740x70x70	-	3,1

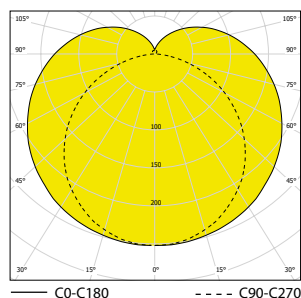
Tolerance of luminous flux and power input of the lighting fixture +/- 10%



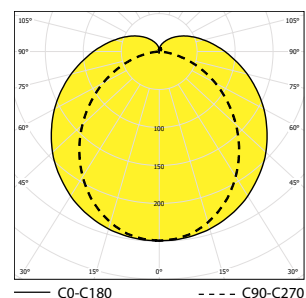
> Test IP 69K:
The IP 69K test verifies the protection against hot water during high-pressure or steam-jet cleaning according to EN 60529. The test conditions require a pressure of 100 bar at a temperature of 80 °C.



AQUA-70-LED-PMMA



AQUA-70-LED-PC



SAFE answers to HAZARDOUS questions

Accessories on request



Direct mounting

053627 Stainless steel mounting bracket AQUA-70 (1 pc)



Direct mounting

053629 Mounting PC bracket AQUA-70, dark grey (1pc)

Suspended mounting

051127 Cable suspension AQUA-70 (2 pcs)

053629 Mounting PC bracket AQUA-70, dark grey (1pc)



Direct mounting

053628 Stainless steel mounting bracket AQUA-70 (1 pc)

Suspended mounting

051134 Cable suspension AQUA-70 (2 pcs) stainless steel

053628 Stainless steel mounting bracket AQUA-70 (1 pc)



Direct mounting

053630 Mounting PC bracket AQUA-70, bright grey (1pc)

Suspended mounting

051127 Cable suspension AQUA-70 (2 pcs)

053630 Mounting PC bracket AQUA-70, bright grey (1pc)



Direct mounting

064898 Stainless steel mounting bracket AQUA-70 (1 pc) for direct surface mounting

Lighting fixture detail



On request

DIM – dimmable electronic ballast (DALI,DSI, 1-10V)

GESIS – possibility to equip lighting fixtures with connectors

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

1/3 F - single-phase or three phase through wiring connection, max. diameter of wires 2.5 mm²

2.7K-6.5K - colour temperature

II - insulation class II

MULTI-1/3 - maintained emergency lighting

EM-1/3 - non-maintained emergency lighting

CRI - colour rendering index > 90

Standard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
PC							
084130	084136	084139	084142	084145	084133	084130 1F	084130 3F
084131	084137	084140	084143	084146	084134	084131 1F	084131 3F
084132	084138	084141	084144	084147	084135	084132 1F	084132 3F
PMMA							
084150	084176	084179	084182	084185	084153	084150 1F	084150 3F
084151	084177	084180	084183	084186	084154	084151 1F	084151 3F
084152	084178	084181	084184	084187	084155	084152 1F	084152 3F

In case of MULTI version the length of the lighting fixture is extended



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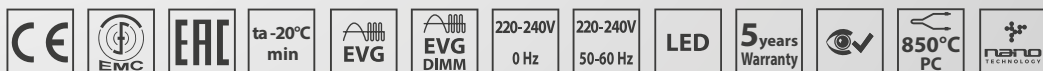
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RAMBO-LED-FL

IP 66 / IP 67, IP 42

5 year warranty



Application: Dustproof antivandal lighting fixture RAMBO-LED with splash water resistance is designed for areas with high risk of damage, such as prison cells, psychiatric hospitals, underpasses, tunnels, underground stations and railway station platforms.

Ballast: EP – electronic 220-240 V / 50-60 Hz AC, 220-240V DC 0Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet (RAL 9003) equipped with plastic end caps (polycarbonate)

Diffuser: Tube of 70 mm external diameter and 4 mm wall thickness made of opal polycarbonate, equipped with sealing plugs in case of IP66/IP67 version

Fastening: Surface wall or ceiling mounting

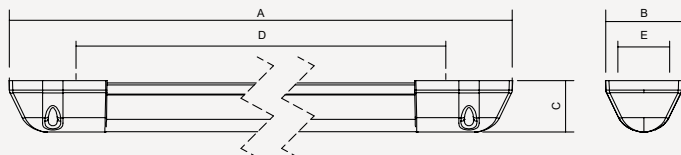
Connection: Screw connector terminal block, maximum diameter of wires 2.5 mm²

Standard equipment: 2 pcs cable gland, washers with rubber to seal mounting holes, safety screws (it is necessary to order additionally 002020 RAMBO special key for safety screws)

Calculated lifetime – LED modules:

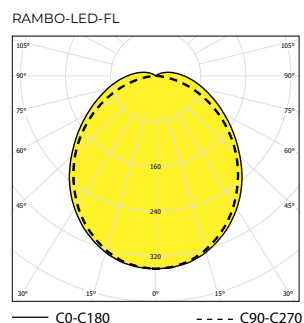
L80B10 ta30 – 70 000h

L70B10 ta30 – 100 000h



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting spacing Dx E (mm)	Weight (kg)
IP66/IP67								
084085	RAMBO-LED-FL-2500-4K, l=955 mm	1929	17	113	30	955x112x76	779x60 (Ø8)	5,3
084086	RAMBO-LED-FL-5000-4K, l= 1445 mm	3858	33	117	30	1445x112x76	1276x60 (Ø8)	7,5
084087	RAMBO-LED-FL-7500-4K, l= 1910 mm	5787	50	116	30	1910x112x76	1742x60 (Ø8)	8,8
IP42								
084220	RAMBO-LED-FL-2500-4K, l=955 mm	1929	17	113	30	955x112x76	779x60 (Ø8)	5,3
084221	RAMBO-LED-FL-5000-4K, l= 1445 mm	3858	33	117	30	1445x112x76	1276x60 (Ø8)	7,5
084222	RAMBO-LED-FL-7500-4K, l= 1910 mm	5787	50	116	30	1910x112x76	1742x60 (Ø8)	8,8

Tolerance of luminous flux and power input of the lighting fixture +/- 10%



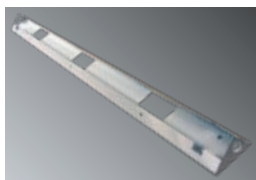
Accessories on request



004569 Screw with special head



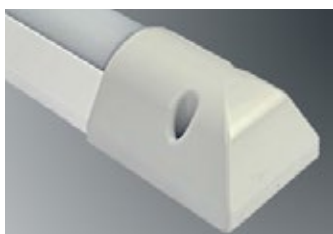
002020 Spanner for mounting and dismantling special screw



order
number
on
request

Corner bracket 30°

Lighting fixture detail



On request

Em – non-maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

2.7K-6.5K – colour temperature

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

MW SENSOR - microwave sensor (in case of requirement for sensor contact the technical support)

MULTI – maintained emergency lighting (1h, 3h)

RAL – other colour scale

1/3 F – single-phase or three phase through wiring connection, maximum diameter of wires 2.5 mm²

NEREZ - housing produced from stainless steel AISI 304 or AISI 316

(in case of STAINLESS STEEL version its declared for ambient temperature decreased about 5-10°C)

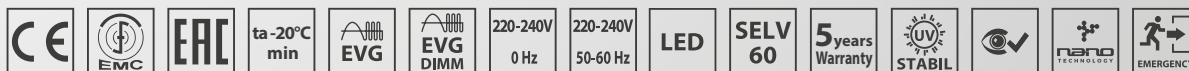
Standard order number	EM-1,5H	EM-3H	MULTI-1,5H	MULTI-3H	DALI	1F	3F
IP66/IP67							
084085	X	X	084060	084063	084066	084085 1F	084085 3F
084086	X	X	084061	084064	084067	084086 1F	084086 3F
084087	X	X	084062	084065	084068	084087 1F	084087 3F
IP42							
084220	X	X	084223	084226	084229	084220 1F	084220 3F
084221	X	X	084224	084227	084230	084221 1F	084221 3F
084222	X	X	084225	084228	084231	084222 1F	084222 3F



GALGO-LED

IP 65

5 year warranty



Application: Antivandal lighting fixture GALGO-LED with dust and water jets resistance is designed for areas with high risk of damage, i.e prison cells, psychiatric hospitals, gyms and pedestrian subways.

Ballast: EP – electronic 220-240V /50-60Hz AC, 220-240V DC 0Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: Extremely resistant material PC (polycarbonate)

Fastening: Surface wall or ceiling mounting

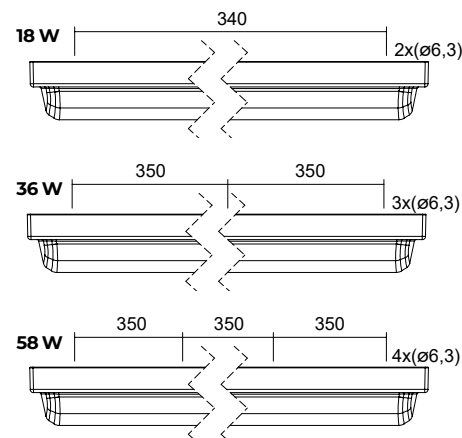
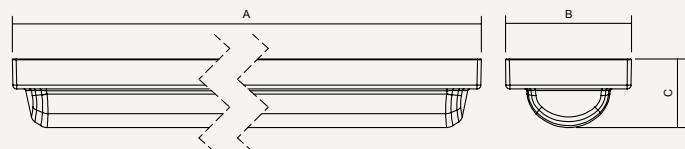
Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm². The lighting fixture is prepared for loop-in (possibility of connection of two cables)

Standard equipment: 2 pcs cable gland, washers with rubber to seal mounting holes, safety screws (it is necessary to order additionally 004778 - Bit for safety screw with socket head and pin s=3)

Calculated lifetime – LED modules:

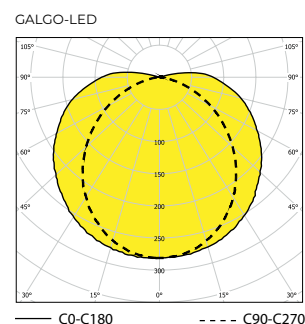
L80B10 ta30 – 70 000h

L70B10 ta30 – 100 000h



Order number	Name	Lighting fixture luminous flux(lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Weight (kg)
051770	GALGO-LED-1250-118-4K	1110	8	139	40	690x194x108	6,3
051771	GALGO-LED-2500-218-4K	2220	16	139	40	690x194x108	5,5
051772	GALGO-LED-5000-218-4K	4650	33	141	40	690x194x108	6,3
051773	GALGO-LED-2500-136-4K	2271	17	134	60	1300x194x108	11
051774	GALGO-LED-5000-236-4K	4542	33	138	60	1300x194x108	11
051775	GALGO-LED-10000-236-4K	9300	66	141	40	1300x194x108	11
051776	GALGO-LED-3750-158-4K	3406	25	136	50	1600x194x108	13
051777	GALGO-LED-7500-258-4K	6813	50	136	50	1600x194x108	13
051778	GALGO-LED-12550-258-4K	11639	80	145	40	1600x194x108	13

Tolerance of luminous flux and power input of the lighting fixture +/- 10%



On request

Em – non-maintained emergency lighting (1h, 3h)

DIM – dimmable electronic ballast (DSI, DALI)

2.7K-6.5K – colour temperature

MULTI – maintained emergency lighting (1h, 3h)

NANO – lighting fixtures can be protected by special nano-layer (hydrophobic, oleophobic or antibacterial protection)

RAL – other colour scale

MW SENSOR - microwave sensor (if a sensor is required, contact technical support)

NEREZ - housing produced from stainless steel AISI 304 or AISI 316

(in case of STAINLESS STEEL version its declared for ambient

temperature decreased about 5-10°C)

NIGHT LIGHT - equipped with 4-8W LED source for night-time lighting

Stadard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
051770	X	X	051790	X	051770 DALI	X	X
051771	X	X	051780	X	051771 DALI	X	X
051772	X	X	X	X	051772 DALI	X	X
051773	X	X	051791	051793	051773 DALI	X	X
051774	X	X	051781	051784	051774 DALI	X	X
051775	X	X	X	X	051775 DALI	X	X
051776	X	X	051792	051794	051776 DALI	X	X
051777	X	X	051782	051785	051777 DALI	X	X
051778	X	X	X	X	051778 DALI	X	X



BH24-LED

5 year warranty

IP 65

Wall or ceiling mounted bulkhead for use in demanding applications.

LED Applications: Tunnels, Marine, Coastal areas
(1000hr salt spray test approved)

Body: Aluminium alloy, RAL 9005, black

Diffuser: Hardened clear safety glass

Light source: LED, 4000K, CRI >80, 2400 lumen

Ambient Temperature: -25°C to +50°C

LED modules (calculated): L80B10 @ta50°C - 50,000hrs

Supply: 220-240V 50/60Hz, 24W

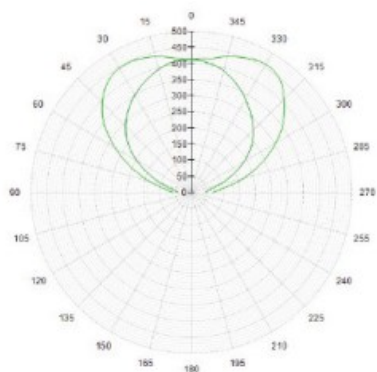
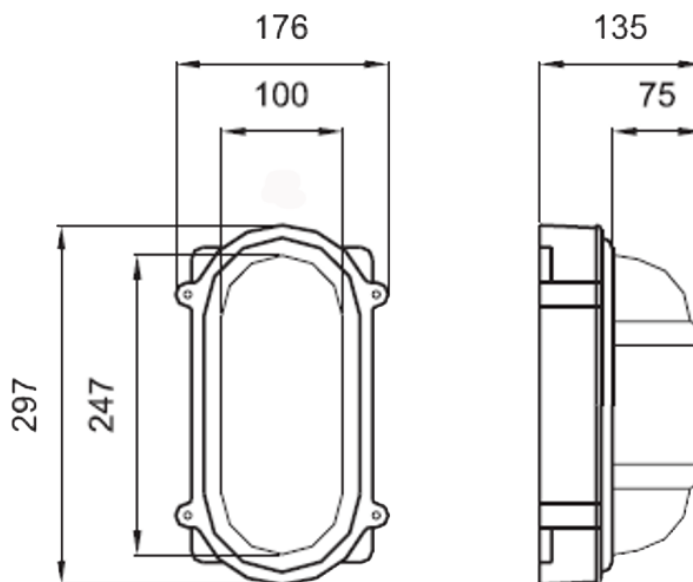
Entry: 2 x M20 (one top and one bottom)

Termination: 2.5mm² max

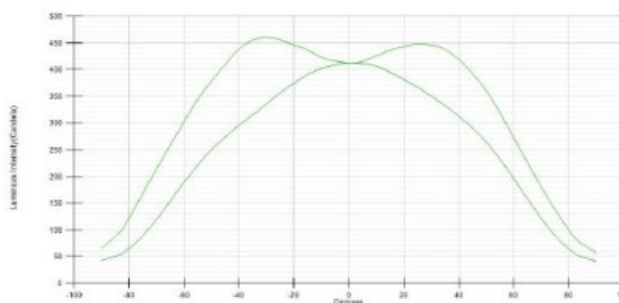
Mounting: Flange mounted

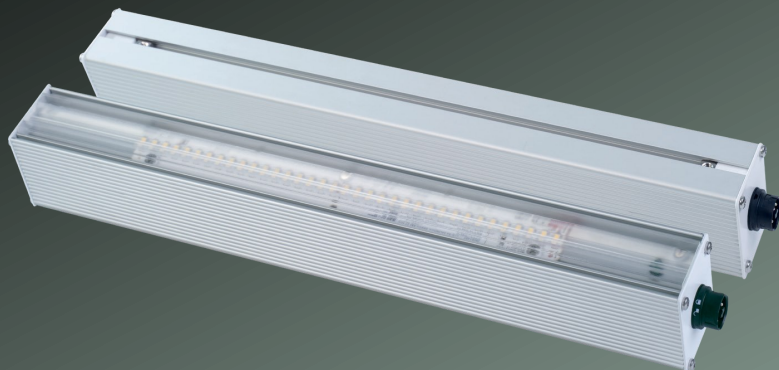
Optional:

- Integrated 3hr emergency
- Self-testing emergency
- Dusk to Dawn
- Microwave motion sensor
- Daylight monitoring



Photometric data





5 year warranty

EMA-I-LED

IP 65



Applications: Locations requiring continuous and consistent light levels in emergency situations

LED light source: LLE Excite, 4000K—6000K,

Body: Robust body in anodized aluminium

Luminaire Flux: 540lm with integrated emergency battery (NiMh)
1632lm with backup from central battery source

Protection rating: IP43

Operating temperatures: +5°C to +55°C

Lifetime of the luminaire: up to 60,000hrs

Optical lenses: PMMA optics with various lighting characteristics
40° / 60° / 90° / 110° diffusion optics

Terminations: Multipole GESIS connector

Mounting arrangement: Flexible mounting points in T-slots

Control options: DALI/DSI control optional
Connection to intelligent DALI/KNX control system optional

Dimensions: **Battery version:**
430 x 50 x 65mm, 1.6kg
Central battery version:
300 x 50 x 65mm, 1kg





5 year warranty

TREE-I-LED-T65/T70

IP 65



Applications: Locations requiring continuous and consistent light levels in high bay applications (up to 18m) and in the most challenging ambient conditions

LED light source: LLE Excite, 4000K—6000K, luminaire efficacy 127lm/W

Body: Robust body in anodized aluminium with LED driver in separate housing
Modular arrangement to create higher outputs or a more compact body

Diffuser: 3mm toughened glass AGC ClearVision

Protection rating: IP65

Operating temperatures: -40°C to +65°C / +70°C (TaMAX)

Lifetime of the luminaire: L80B10 > 100,000hours @ Ta+65°C
L80B10 > 50,000hours @ Ta+70°C

Optical lenses: PMMA optics/Reflector with various lighting characteristics

Terminations: Multipole GESIS connector

Mounting arrangement: Flexible mounting points in T-slots

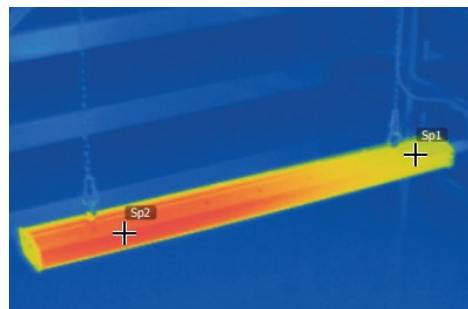
Control options: DALI/DSI control optional
Connection to intelligent DALI/KNX control system optional

Type	Colour	Lumen	Wattage	Dimensions
TREE-I-LED-216-HE-xxx-TAMAX	4000K-6500K	4,451	35	1065x100x60
TREE-I-LED-224-HO-xxx-TAMAX	4000K-6500K	6,476	51	1065x100x60
TREE-I-LED-316-HE-xxx-TAMAX	4000K-6500K	6,677	53	1344x100x60
TREE-I-LED-324-HO-xxx-TAMAX	4000K-6500K	9,731	77	1344x100x60
TREE-I-LED-416-HE-xxx-TAMAX	4000K-6500K	8,902	70	1631x100x60
TREE-I-LED-424-HO-xxx-TAMAX	4000K-6500K	12,917	102	1631x100x60

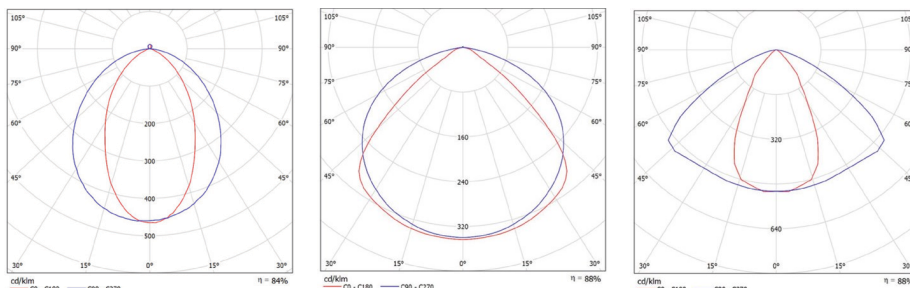
GESIS connector as standard:



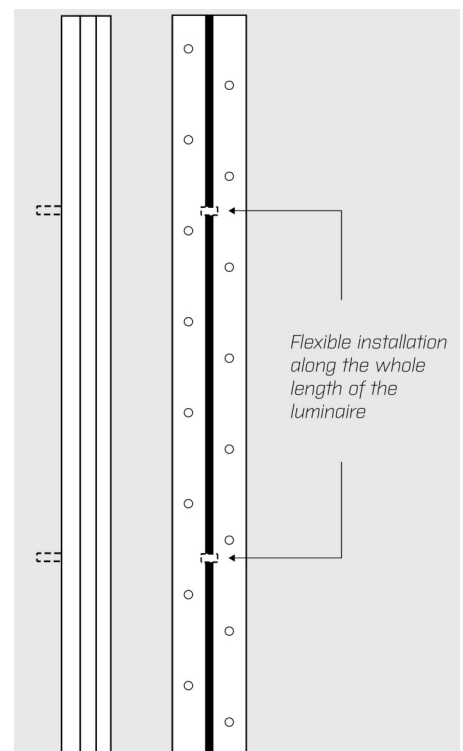
Heat management test when suspended:



Lighting beam angles:



Typical design layout:



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5 year warranty

SKY-I-LED-T65/T70

IP 65



Applications: Locations requiring continuous and consistent light levels in high bay applications (up to 30m) and in the most challenging ambient conditions

LED light source: CREE XP-L, 4000K—6500K, luminaire efficacy 138lm/W

Body: Robust body in anodized aluminium with LED driver in separate housing
Modular arrangement to create higher outputs or a more compact body

Protection rating: IP65

Operating temperatures: -40°C to +65°C / +70°C / +100°C (TaMAX)

Lifetime of the luminaire: L80B10 > 100,000hours @ Ta+65°C
L80B10 > 50,000hours @ Ta+70°C

Optical lenses: PMMA optics with various lighting characteristics
Additional 3mm toughened glass optional in dusty environments

Terminations: Multipole GESIS connector

Mounting arrangement: Flexible mounting points in T-slots

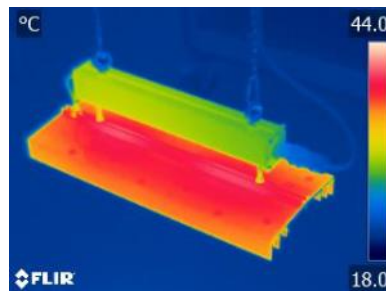
Control options: DALI/DSI control optional
Connection to intelligent DALI/KNX control system optional

Type	Colour	Lumen	Wattage	Dimensions
SKY-I-LED-80-xxx-TAMAX	4000K-6500K	10,727	77	750x200x165
SKY-I-LED-120-xxx-TAMAX	4000K-6500K	16,090	115	1122x200x165
SKY-I-LED-160-xxx-TAMAX	4000K-6500K	21,455	154	1496x200x170
SKY-I-LED-200-xxx-TAMAX	4000K-6500K	26,818	187	1870x200x170
SKY-I-LED-240-xxx-TAMAX	4000K-6500K	32,182	224	1122x485x60
SKY-I-LED-320-xxx-TAMAX	4000K-6500K	42,909	299	1496x485x60
SKY-I-LED-400-xxx-TAMAX	4000K-6500K	53,636	373	1870x555x140

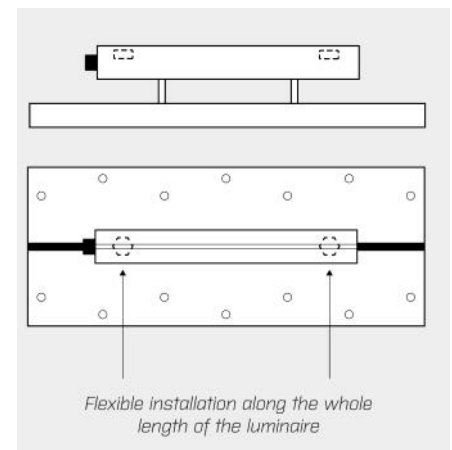
GESIS connector as standard:



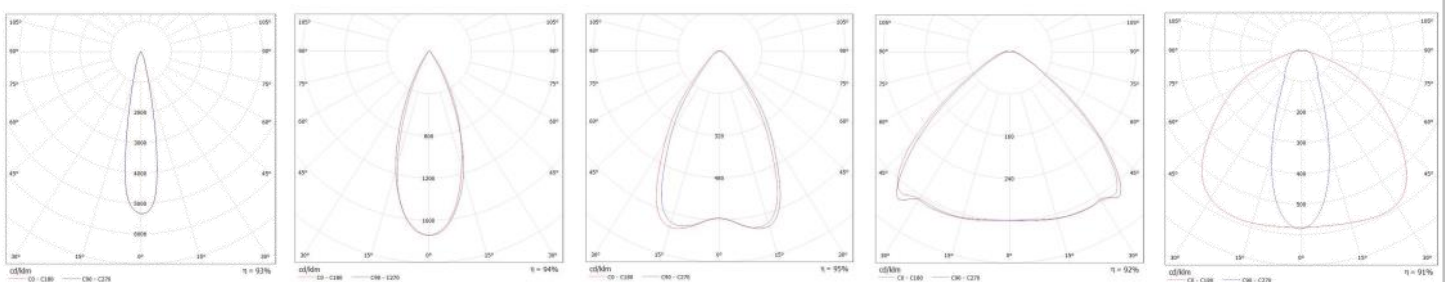
Heat management test when suspended:



Typical design layout:



Lighting beam angles:



STL International Ltd

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BISON-LED

IP 65

5 year warranty



Application: Dustproof high-bay lighting fixture BISON-LED is primarily designed for areas with requirement of higher degree of protection IP, such as warehouse and production halls. Thanks to its luminous characteristics and excellent efficiency, the lighting fixture is suitable for mounting at high ceiling rooms.

Ballast: EP – electronic 220-240 V/ 50-60 Hz AC, 220-240 V DC

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: White painted steel sheet RAL 9003

Diffuser: Clear hardened safety thermally toughened glass, OP – Opal hardened safety thermally toughened glass, PC (polycarbonate), MP - micropismatic diffuser

Reflector: H – optics with deep radiant luminous characteristics, S – optics with wide radiant luminous characteristics

Fastening: Mounting via suspension brackets

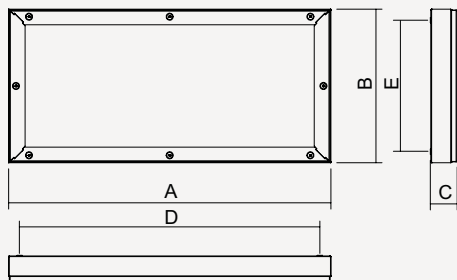
Connection: The lighting fixture is provided as a standard with 2 m cable (3x1.5 mm²) that is terminated by sleeves

Standard equipment: 4 pcs suspension brackets M5

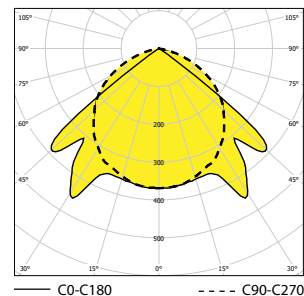
Calculated lifetime – LED modules:

L80B10 ta40 – 70 000h

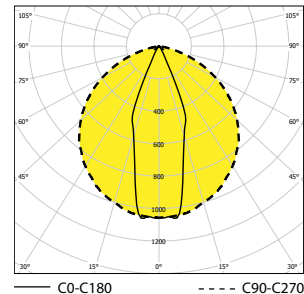
L70B10 ta40 – 100 000h



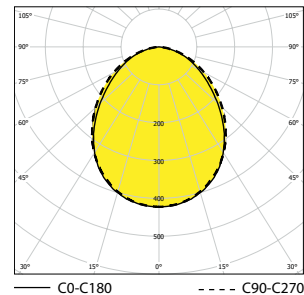
BISON-LED-S



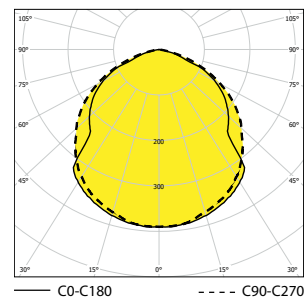
BISON-LED-H



BISON-LED-OP



BISON-LED-15000



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting spacing D x E (mm)	Weight (kg)
051900	BISON-LED-H-15000-4K	12494	99	126	40	630x300x52	587x257	5,7
051901	BISON-LED-S-15000-4K	13277	99	134	40	630x300x52	587x257	5,7
051902	BISON-LED-PC-H-15000-4K	11756	99	119	40	630x300x52	587x257	5,7
051903	BISON-LED-PC-S-15000-4K	12094	99	122	40	630x300x52	587x257	5,7
051910	BISON-LED-15000-4K	12893	99	130	40	630x300x52	587x257	5,7
051911	BISON-LED-OP-15000-4K	11403	99	115	40	630x300x52	587x257	5,7
051916	BISON-LED-MP-15000-4K	12663	99	128	40	630x516x52	587x473	6,8
051904	BISON-LED-H-30000-4K	24988	197	127	35	1195x300x52	1152x257	9,5
051905	BISON-LED-S-30000-4K	26555	197	135	35	1195x300x52	1152x257	9,5
051906	BISON-LED-PC-H-30000-4K	23513	197	119	35	1195x300x52	1152x257	9,5
051907	BISON-LED-PC-S-30000-4K	24189	197	123	35	1195x300x52	1152x257	9,5
051912	BISON-LED-30000-4K	25787	197	131	35	1195x300x52	1152x257	9,5
051913	BISON-LED-OP-30000-4K	22806	197	116	35	1195x300x52	1152x257	9,5
051917	BISON-LED-MP-30000-4K	25326	197	129	35	1195x516x52	1152x473	10,9

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

SAFE answers to HAZARDOUS questions

Accessories on request



Suspended mounting

004768 snap-hook 6030 – zinc

Lighting fixture detail



On request

DIM – dimmable electronic ballast (DALI, DSI, 1-10V)

GESIS – possibility to equip lighting fixtures with connectors

2.7K-6.5K - colour temperature

NANO – lighting fixtures can be protected by special nano-layer
(hydrophobic, oleophobic or antibacterial protection)

RAL – other colour scale

STAINLESS STEEL – (in case of STAINLESS STEEL version its declared for
ambient temperature decreased about 5-10°C)

Standard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
051900	X	X	X	X	051900 DALI	X	X
051901	X	X	X	X	051901 DALI	X	X
051902	X	X	X	X	051902 DALI	X	X
051903	X	X	X	X	051903 DALI	X	X
051910	X	X	X	X	051910 DALI	X	X
051911	X	X	X	X	051911 DALI	X	X
051916	X	X	X	X	051916 DALI	X	X
051904	X	X	X	X	051904 DALI	X	X
051905	X	X	X	X	051905 DALI	X	X
051906	X	X	X	X	051906 DALI	X	X
051907	X	X	X	X	051907 DALI	X	X
051912	X	X	X	X	051912 DALI	X	X
051913	X	X	X	X	051913 DALI	X	X
051917	X	X	X	X	051917 DALI	X	X

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RUSSELL-LED

IP 65

5 year warranty



Application: Dustproof high-bay lighting fixture RUSSELL-LED in degree of protection IP65 is designed for lighting of halls and industrial areas.

Ballast: EP – electronic 110-240V/50-60Hz

Light source: LED, 4000K, CRI +80, MacAdam3

Housing: Painted aluminium casting (RAL 9005)

Diffuser: Clear hardened safety thermally toughened glass (120°beam angle), PC LED optics (90° beam angle)

Fastening: mounting via suspension bracket or via adjustable bracket

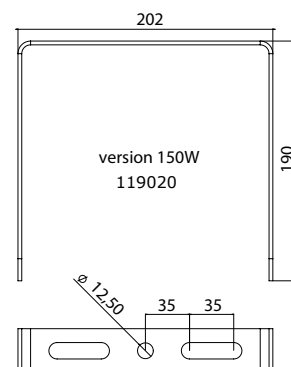
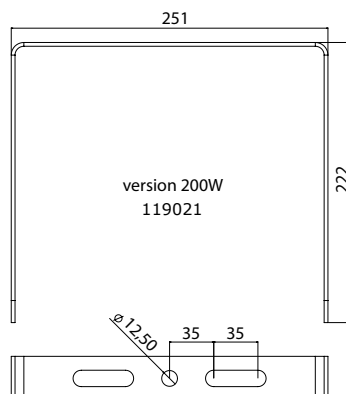
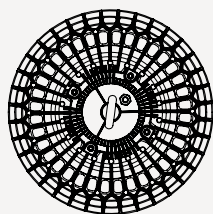
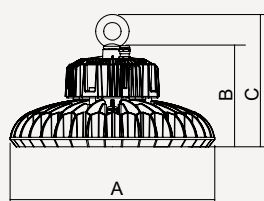
Connection: The lighting fixture is provided as a standard with 2 m cable (3x1.5 mm²), that is terminated by soldered (tinned) wire ends

Standard equipment: 1 pc. suspension bracket M5

Calculated lifetime – LED modules:

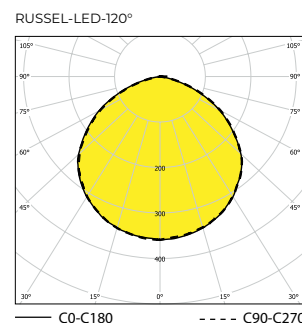
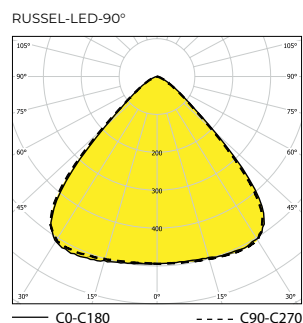
L80B10 ta30 – 50 000h

L70B10 ta30 – 80 000h



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting spacing A x B (mm)	Weight (kg)
119010	RUSSELL-LED-14500-4K-90°	14456	103	140	50	340x138x187	-	3,6
119011	RUSSELL-LED-22000-4K-90°	21436	162	132	50	400x148x197	-	4,7
119012	RUSSELL-LED-14500-4K-120°	14313	103	139	50	340x138x187	-	3,6
119013	RUSSELL-LED-22000-4K-120°	22242	162	137	50	400x148x197	-	4,7
119014	RUSSELL-LED-19000-4K-90°	19535	146	134	50	340x138x187	-	3,6
119015	RUSSELL-LED-26500-4K-90°	25950	197	132	50	400x148x197	-	4,7
119017	RUSSELL-LED-19000-4K-120°	18907	146	130	50	340x138x187	-	3,6
119018	RUSSELL-LED-26500-4K-120°	25657	197	130	50	400x148x197	-	4,7

Tolerance of luminous flux and power input of the lighting fixture +/- 10%



Accessories on request



Suspended mounting

004768 Snap-hook 6030 - zinc



Direct mounting

119020 Adjustable bracket RUSSELL-LED-19000



Direct mounting

119021 Adjustable bracket RUSSELL-LED-26500

Lighting fixture detail



On request

GESIS – possibility to equip lighting fixtures with connectors

2.7K-6.5K - colour temperature

DIM – dimmable electronic ballast (DALI)

Standard order number	EM-1H	EM-3H	MULTI-1H	MULTI-3H	DALI	1F	3F
119010	X	X	X	X	X	X	X
119011	X	X	X	X	X	X	X
119012	X	X	X	X	X	X	X
119013	X	X	X	X	X	X	X
119014	X	X	X	X	119022	X	X
119015	X	X	X	X	119023	X	X
119017	X	X	X	X	119024	X	X
119018	X	X	X	X	119025	X	X



XOLO-LED

IP 66

5 year warranty



Application: The lighting fixture XOLO-LED is suitable for lighting of outdoor areas, main and side roads of towns and villages, car parks and industrial premises.

Ballast: EP – electronic 220-240 V/50/60Hz

Light source: LED, 4000K, CRI +70, MacAdam3

Diffuser: Hardened safety glass

Housing: Aluminium casting, grey colour RAL 9006

Optics: **BW** Lighting fixtures with this type of optics are designed for lighting of roads and outdoor car parks.

SQ Lighting fixtures with this type of optics are designed for installation in the middle of an illuminated area, they are commonly used for commercial parking spaces.

W Lighting fixtures with this type of optics are ideal for lighting of narrow paths and walkways.

AS Lighting fixtures with this type of optics are ideal for lighting of pedestrian crossings with right-hand traffic.

Fastening: For bracket columns and masts with diameter of 48 - 60mm

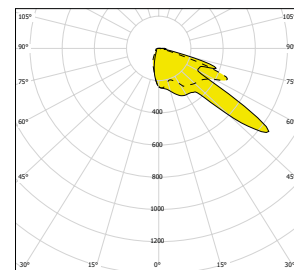
Connection: Screwless three-pole terminal block, maximum diameter of wires 2.5 mm

Standard equipment: Cable gland M20 for diameter of cable 7-12 mm

Calculated lifetime – LED modules:

L80B20 ta40°C – 80 000h

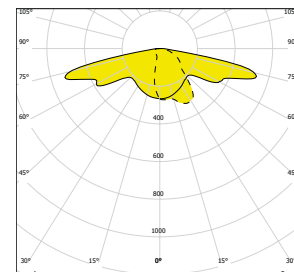
XOLO-AS



— C0-C180

--- C90-C270

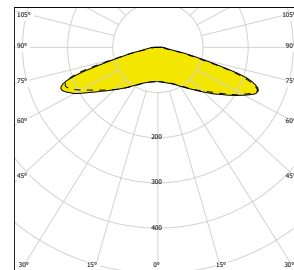
XOLO-BW



— C0-C180

--- C90-C270

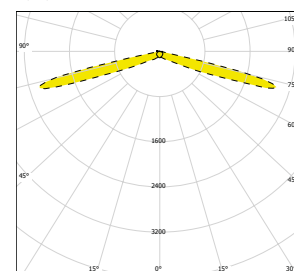
XOLO-SQ



— C0-C180

--- C90-C270

XOLO-W



— C0-C180

--- C90-C270



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture AxBxC (mm)	Weight (kg)
058950	XOLO-LED-W-4300 -4K	3380	25	135	50	722x265x91	10
058953	XOLO-LED-W-6200-4K	4845	40	121	50	722x265x91	10
058951	XOLO-LED-BW-6200-4K	5056	40	126	50	722x265x91	10
058955	XOLO-LED-BW-8100-4K	6739	56	120	50	722x265x91	10
058958	XOLO-LED-BW-12000-4K	10016	78	128	50	722x265x91	10
058961	XOLO-LED-BW-14500-4K	11788	95	124	50	722x265x91	10
058964	XOLO-LED-BW-16000-4K	13479	112	120	50	722x265x91	10
058967	XOLO-LED-BW-18500-4K	15024	117	128	50	722x265x91	10
058970	XOLO-LED-BW-23500-4K	20219	168	120	50	722x265x91	10
058952	XOLO-LED-SQ-6200-4K	5392	40	135	50	722x265x91	10
058956	XOLO-LED-SQ-8100-4K	7187	56	128	50	722x265x91	10
058959	XOLO-LED-SQ-12000-4K	10681	78	137	50	722x265x91	10
058962	XOLO-LED-SQ-14500-4K	12571	95	132	50	722x265x91	10
058965	XOLO-LED-SQ-16000-4K	14374	112	128	50	722x265x91	10
058968	XOLO-LED-SQ-18500-4K	16022	117	137	50	722x265x91	10
058971	XOLO-LED-SQ-23500-4K	21562	168	128	50	722x265x91	10
058954	XOLO-LED-AS-6200-4K	5143	40	129	50	722x265x91	10
058957	XOLO-LED-AS-8100-4K	6855	56	122	50	722x265x91	10
058960	XOLO-LED-AS-12000-4K	10188	78	131	50	722x265x91	10
058963	XOLO-LED-AS-14500-4K	11991	95	126	50	722x265x91	10
058966	XOLO-LED-AS-16000-4K	13711	112	122	50	722x265x91	10
058969	XOLO-LED-AS-18500-4K	15282	117	131	50	722x265x91	10
058972	XOLO-LED-AS-23500-4K	20567	168	122	50	722x265x91	10

Tolerance of luminous flux and power input of the lighting fixture +/- 10%

SAFE answers to HAZARDOUS questions

Accessories on request

141116 pole reduction 50/60

Lighting fixture detail



On request

2.7K-6.5K - colour temperature

DIM – DALI, MIDNIGHT, BILEVEL, AMP DIM, REDUCTION

(MIDNIGHT, BILEVEL, REDUCTION - dimming according to the programmed parameters)

AMP DIM - (dimming according to the voltage in the distribution network)



GREY-LED

IP 66

5 year warranty



Usage: Dust proof reflector LED lighting fixture GREY-LED of IP66 degree of protection is intended for illumination of indoor as well as outdoor areas, e.g. billboards, sports facilities, parking-sites, stores, outdoor work areas.

Ballast: EP – electronic - 220–240V, 50/60Hz, 220–240V, 0Hz

Body: Aluminium casting, black colour, RAL 9005, MATT

Cover: Hardened safety glass

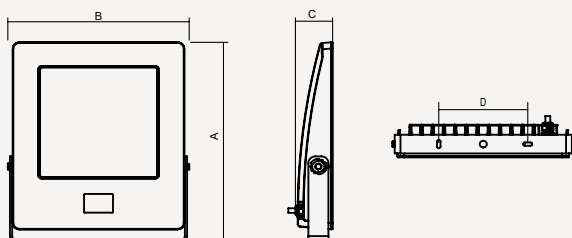
Optics: S – optics with beam characteristic of symmetrical flood-light
AS – optics with beam characteristic of asymmetrical flood-light
H – optics with beam characteristic of symmetrical down-light
AH – optics with beam characteristic of asymmetrical down-light

Fastening: At the bearing surface by means of positionable bracket

Connection: Screw-free, three-pole terminal strip, maximum conductor section area 2.5 mm²

Standard equipment: 1x packing gland including sealing

Calculated service life of LED modules: L80B10 ta50°C – 60 000h

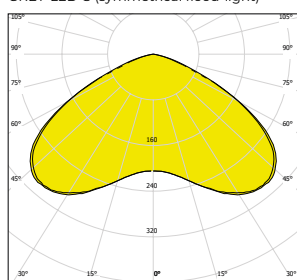


S	AS	H	AH
056920	056921	056922	056923
056924	056925	056926	056927
056928	056929	056930	056931
056932	056933	056934	056935
056936	056937	056938	056939

Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A x B x C (mm)	Mounting spacing D (mm)	Weight (kg)
4000K								
056920	GREY-LED-S-17000-4K	15933	103	155	60	480 x 400 x 80	200	10
056924	GREY-LED-S-18500-4K	17191	113	152	55	480 x 400 x 80	200	10
056928	GREY-LED-S-21000-4K	19631	133	148	50	480 x 400 x 80	200	10
056932	GREY-LED-S-24500-4K	23108	164	141	55	480 x 400 x 80	200	10
056936	GREY-LED-S-29500-4K	27450	206	133	45	480 x 400 x 80	200	10

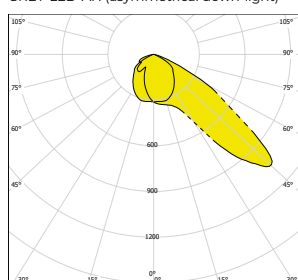
Tolerance of luminous flux and power input of the lighting fixture +/- 10%

GREY-LED-S (symmetrical flood-light)



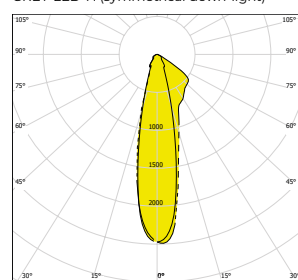
— C0-C180 - - - - C90-C270

GREY-LED-AH (asymmetrical down-light)



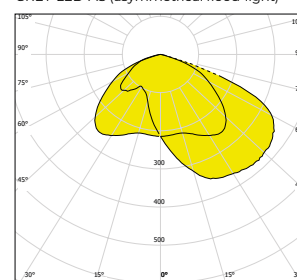
— C0-C180 - - - - C90-C270

GREY-LED-H (symmetrical down-light)



— C0-C180 - - - - C90-C270

GREY-LED-AS (asymmetrical flood-light)



— C0-C180 - - - - C90-C270

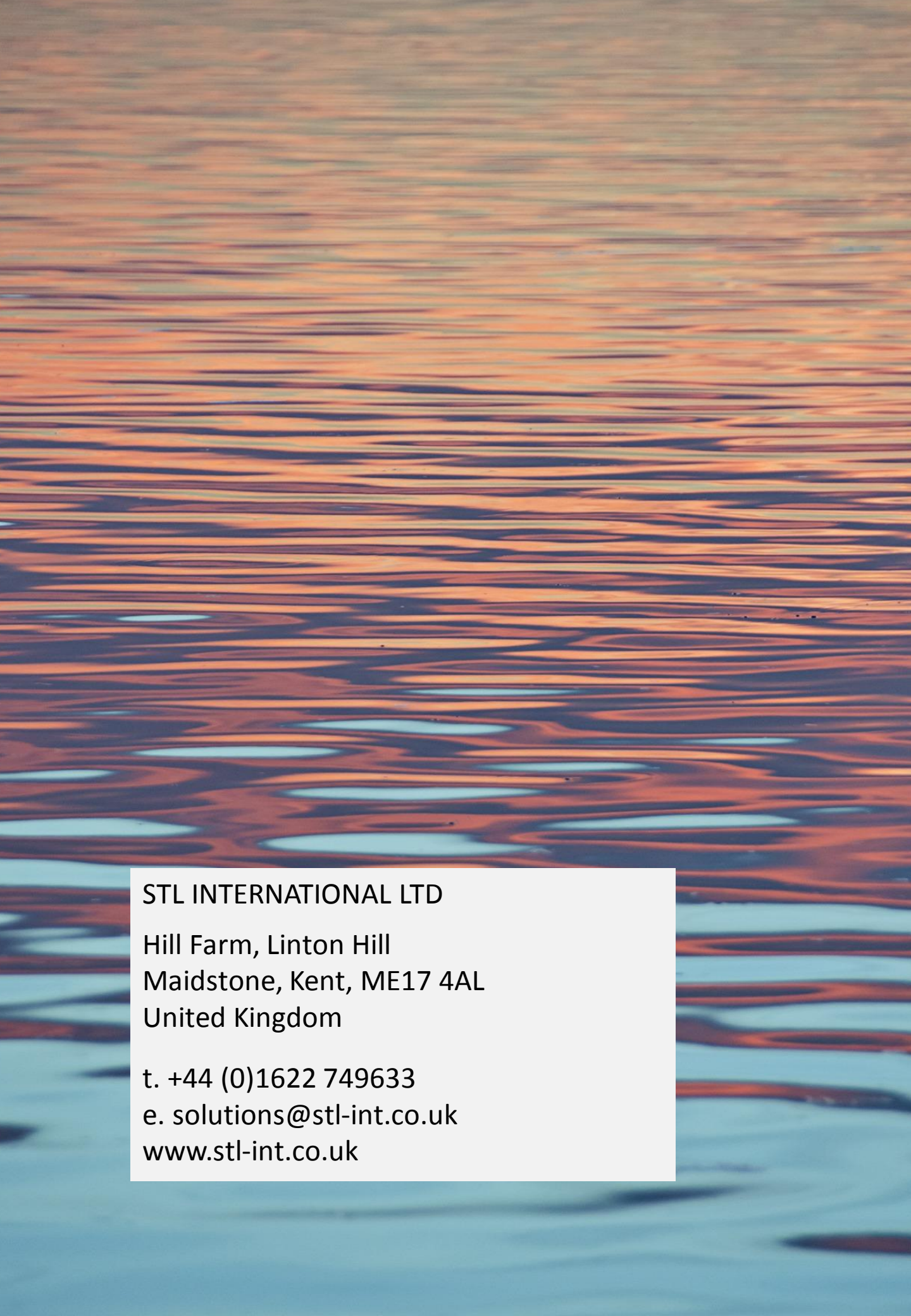
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NOTES

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.



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