



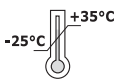
LED



What DLU is	An initiative for the conception, manufacturing and international commercialization of a complete range of luminous sources and lighting fixtures with top quality levels in design, performance and reliability
How it was born	In year 2007 by the association of an international pool of investors with a team of managers expert in the sector
How it is organized	Direct and indirect structures for manufacturing (China) R&D laboratories, Departments for sorting, sourcing and on-site application of technical specification for manufacturing and quality control (China, Europe) Direct and indirect distribution chain in European Union, Balkan Area and Eastern Europe, <i>Professional and Consumer Channels</i>
Mission	To be an instrument for the segmentation of the market for few, selected, elite Professionals in electrical wholesaling and lighting design industry

Welcome

Symbology

NEW NEW - New product in catalogue PES PES - Product available up to end of stock	 Recommended Ambient temperature range (example)
 Available on request 10 added days on delivery time	 Lamp suitable for 50Hz/60Hz operation only
Φ_{TOT} Total Luminous Flux Φ_{USE} Useful Luminous Flux (defined for lamps, directional models only)	 Lamp not suitable for emergency operation
 Beam Opening	 For indoor use only. Lamp to be used in dry conditions or in a luminaire that provides protection from moisture
PF Power Factor DF Displacement Factor	 Not suitable for covering with thermally insulated material (recessed downlighters)
L70 B50  Useful Lifetime for Lamps (example) 20.000h	 Lighting fixture for indoor use only
L70 B50 48.000h  Useful Lifetime for Lighting Fixtures (example) (Ta=25°C)	 EN62471 (example)
 Dimension of the cut hole in false-ceiling (recessed downlighters) Ø 70 mm	 No Mercury inside
IP-- Degree of protection against ingress of dust, solid objects and moisture	 No emission of ultraviolet and infrared energy
IK-- Degree of protection against external mechanical impacts	 Independent Converter. It can be fitted outside the fixture without any additional housing
 Not Adjustable. Product not-suitable for dimming	 Safety Converter with short-circuit protection
 Adjustable. Product suitable for dimming	 Goniophotometric curve IES file for lighting simulation
 Insulating class I	 Product matching the requirements of the European Directive 93/68 and others subsequently linked
 Insulating class II	 European Directive 2012/19 WEEE: A product with this graphic symbol on board must not be disposed together with any other household waste but separately and responsibly recycled
 Insulating class III	 Product matching the requirements of the European Directive 2015/863 and subsequent Decisions by the European Commission on the restriction of use of some hazardous substances



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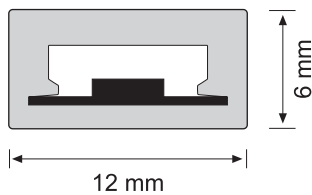


Strip

STRIP EVO for 220-240V



Higher performance
Same power consumption
Great dimmability



Code	Id code	Description	P _{on} / m	T _c	Voltage	$\Phi_{TOT} = \Phi_{USE}$ (lm/m)	En. class (1m)	PF	DF		Ra		Pack
ST4200-E	82 010	Strip for Mains Voltage EVO	17W	3000K	220-240~	1700	F	>0.9	>PF	110°	≥80	P112	50m roll PES
ST4200-E/5	82 011	Strip for Mains Voltage EVO	17W	3000K	220-240~	1700	F	>0.9	>PF	110°	≥80	P112	5m roll PES
ST4201-E	82 012	Strip for Mains Voltage EVO	17W	4000K	220-240~	1850	F	>0.9	>PF	110°	≥80	P112	50m roll PES
ST4201-E/5	82 013	Strip for Mains Voltage EVO	17W	4000K	220-240~	1850	F	>0.9	>PF	110°	≥80	P112	5m roll PES
ST4202-E	82 014	Strip for Mains Voltage EVO	17W	6400K	220-240~	1780	F	>0.9	>PF	110°	≥80	P112	50m roll PES
ST4202-E/5	82 015	Strip for Mains Voltage EVO	17W	6400K	220-240~	1780	F	>0.9	>PF	110°	≥80	P112	5m roll PES

IP65 LED strip for European mains voltage
Dimension 12 x (h) 6mm, 120LEDs/m, Linear current density = 80mA/m
Dimmable by Potentiometer / Trailing-edge Chopping / DLU dedicated dimmers
Minimum bending radius = 50mm
Max single circuit length = 50m
Cutting step for wiring to the mains = every 10cm, using the entering-cap ST125-E (optional accessory)*
Cutting step for termination = every 10cm using the end-cap ST122-E (optional accessory)*
Available heat-shrink silicon tubes (code ST127) as accessory for mains wiring

DALI compatible devices and for installation on DIN rail available on the market

* Strictly refer to the instruction sheet for installation



IP65





STRIP EVO1 for 220-240V

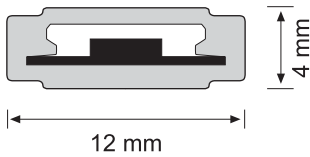


Third generation

More performing
Same power consumption
than Strip EVO

Same great dimmability

Reduced thickness for
optimal compatibility with any profile

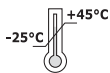


Code	Id code	Description	P _{on} / m	T _c	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm/m)	En. class (1m)	PF	DF		Ra		Pack
ST4200-E1	82 019	Strip for Mains Voltage EVO1	17W	3000K	220-240~	1850	F	>0.9	>PF	110°	≥80	P121	50m roll NEW
ST4200-E1/5	82 020	Strip for Mains Voltage EVO1	17W	3000K	220-240~	1850	F	>0.9	>PF	110°	≥80	P121	5m roll NEW
ST4201-E1	82 022	Strip for Mains Voltage EVO1	17W	4000K	220-240~	2050	E	>0.9	>PF	110°	≥80	P121	50m roll NEW
ST4201-E1/5	82 023	Strip for Mains Voltage EVO1	17W	4000K	220-240~	2050	E	>0.9	>PF	110°	≥80	P121	5m roll NEW
ST4202-E1	82 025	Strip for Mains Voltage EVO1	17W	6400K	220-240~	1950	E	>0.9	>PF	110°	≥80	P121	50m roll NEW
ST4202-E1/5	82 026	Strip for Mains Voltage EVO1	17W	6400K	220-240~	1950	E	>0.9	>PF	110°	≥80	P121	5m roll NEW

IP65 LED strip for European mains voltage
Dimension 12 x (h) 4mm, 120LEDs/m, Linear current density = 80mA/m
Dimmable by Potentiometer / Trailing-edge Chopping / DLU dedicated dimmers
Minimum bending radius = 50mm
Max single circuit length = 50m
Cutting step for wiring to the mains = every 10cm, using the entering-cap ST125 (optional accessory)*
Cutting step for termination = every 10cm using the end-cap ST122 (optional accessory)*
Available heat-shrink silicon tubes (code ST127) as accessory for mains wiring

DALI compatible devices and for installation on DIN rail available on the market

* Strictly refer to the instruction sheet for installation



IP65



CE



RoHS
Compliant



ACCESSORIES for STRIP 220-240V

General installation

Code	Id code	for Strip	Description		
ST122	10 126	EVO1	End cap, without insulating guide for wire		
ST122-E	10 129	EVO	End cap, without insulating guide for wire		PES
ST125	10 125	EVO1	Beginning cap, with insulating guide for wire		
ST125-E	10 128	EVO	Beginning cap, with insulating guide for wire		PES
ST126	10 127	EVO1	Bag with 5 x ST122 and 5 x ST125	...	
ST126-E	10 130	EVO	Bag with 5 x ST122-E and 5 x ST125-E	...	PES
ST127	10 131	EVO, EVO1	Bag with 4 x Heat-shrink tubes (150mm long, section 12.7 mm, 120°C)	...	NEW
ST130	10 107	EVO, EVO1	Tube of not-conductive silicon for IP65 sealing of the entrance wiring and end cap	5ml	PES
ST132	10 194	EVO, EVO1	Tube of not-conductive silicon for IP65 sealing of the entrance wiring and end cap	10ml	NEW
ST131	10 108	EVO, EVO1	Tube of not-conductive silicon for IP65 sealing of the entrance wiring and end cap	100ml	

DIMMERS for STRIP 220-240V



Code	Id code	Description	Voltage	P max	For max lenght (17W/m)	Dimming range	Dimension (mm)	Weight (g)	Pack
FLLDIM240	20 001	Dimmer Strip 220-240V	230V 50Hz	240W	13m	1 ÷ 99%	47 x 47 x (h)14	40	1
FLLDIM450	20 002	Dimmer Strip 220-240V	230V 50Hz	450W	26m	1 ÷ 99%	47 x 47 x (h)26	110	1
FLLDIM900	20 003	Dimmer Strip 220-240V	230V 50Hz	900W	50m (1 roll)	1 ÷ 99%	188 x 150 x (h)93	630	1

Minimum load: 1.7W (10cm long).

Trailing-edge dimmer for external normally-open wall button. Optimal working guaranteed only with DLU Strips for 220-240V.

Memory of the last level of emitted light after the switching OFF, blackouts included. Function for switching ON at the minimum level of light with increase, keeping pressure on the external button when the light is OFF.

Integrated screw for min level tuning.

The FLLDIM900 integrates an heat-sink in Aluminium and a fan for forced ventilation.

Functioning: Shortly pressing the button, the light is turned ON/OFF. The adjustment occurs by keeping pressed the button and stops when the button is released or the maximum or minimum level of light are reached.

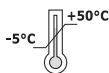
Short-circuit protection.

Thermal protection against overload, thermal cut-out.

Case material: ABS V0

Power loss: 0.4W

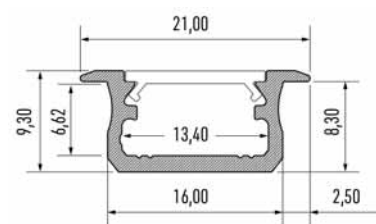
Internal fuse: Matching IEC 60127



IP30



PROFILE type B - for recessed mounting



Code	Id code	Description	Finish		
P10-0024-20	10 138	Profile B for recessed mounting L=2m	Anodized SILVER		
 P10-0023-20	10 139	Profile B for recessed mounting L=2m	Anodized INOX (Bronze)		
 P10-0022-20	10 140	Profile B for recessed mounting L=2m	Anodized BLACK		
P10-0021-20	10 141	Profile B for recessed mounting L=2m	Lacquered WHITE		
P12-0154-00	10 142	End cap in ABS for Profile B	GREY, pre-drilled		
 P12-0153-00	10 143	End cap in ABS for Profile B	INOX (Bronze), pre-drilled		
 P12-0152-00	10 144	End cap in ABS for Profile B	BLACK, pre-drilled		
P12-0151-00	10 145	End cap in ABS for Profile B	WHITE, pre-drilled		

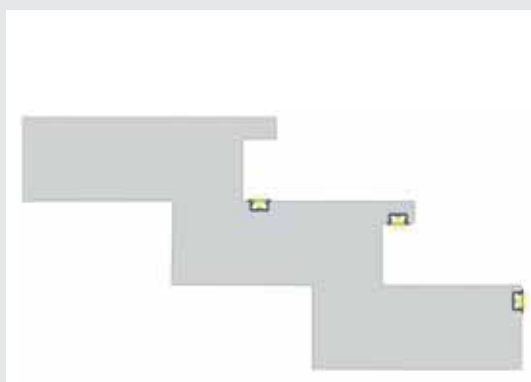
PROFILE type **B** - for recessed mounting



Mounting and insertion of cover



Final result

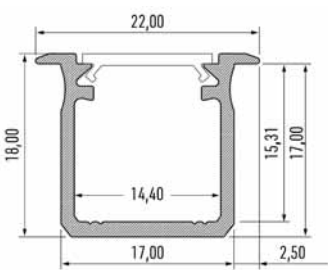


Example of installation in stairs step



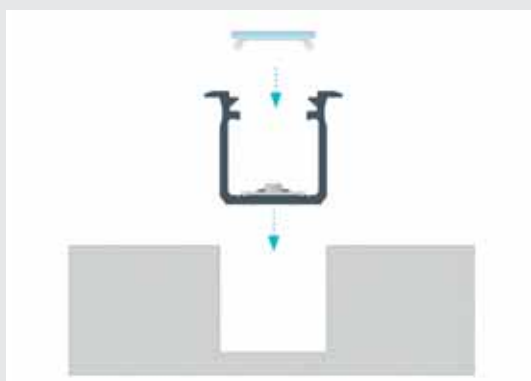
Example of installation 90° corner (45° cut to be done)

PROFILE type G - for recessed mounting



Code	Id code	Description	Finish		
P10-0074-20	10 109	Profile G for recessed mounting L=2m	Anodized SILVER		
 P10-0073-20	10 146	Profile G for recessed mounting L=2m	Anodized INOX (Bronze)		
 P10-0072-20	10 147	Profile G for recessed mounting L=2m	Anodized BLACK		
P10-0071-20	10 148	Profile G for recessed mounting L=2m	Lacquered WHITE		
P12-0074-00	10 045	End cap in ABS for Profiles G, W	GREY, pre-drilled		
 P12-0073-00	10 153	End cap in ABS for Profiles G, W	INOX (Bronze), pre-drilled		
 P12-0072-00	10 154	End cap in ABS for Profiles G, W	BLACK, pre-drilled		
P12-0071-00	10 155	End cap in ABS for Profiles G, W	WHITE, pre-drilled		

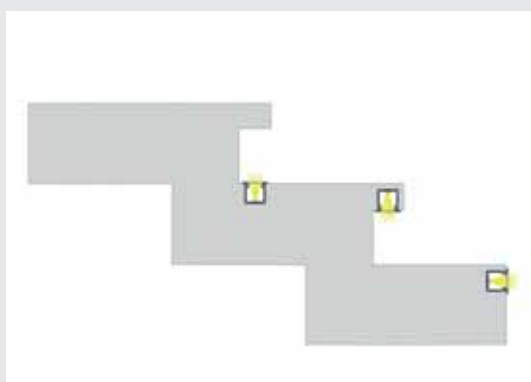
PROFILE type **G** - for recessed mounting



Mounting and insertion of cover



Final result

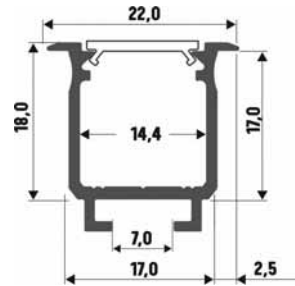


Example of installation in stairs step



Example of installation 90° corner (45° cut to be done)

PROFILE type W - for recessed mounting



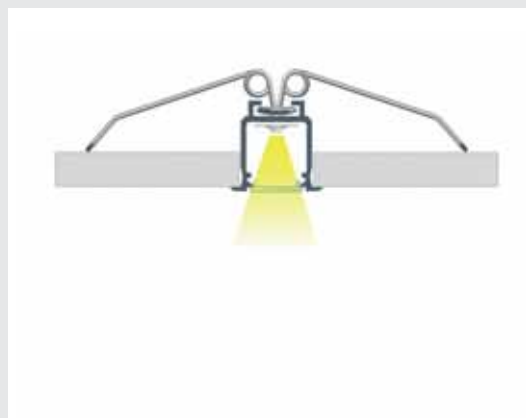
*installation in lightweight structures
(false-ceiling in plaster)
with the use of mounting springs*

Code	Id code	Description	Finish		
 P10-0704-20	10 149	Profile W for recessed mounting L=2m	Anodized SILVER		
 P10-0703-20	10 150	Profile W for recessed mounting L=2m	Anodized INOX (Bronze)		
 P10-0702-20	10 151	Profile W for recessed mounting L=2m	Anodized BLACK		
 P10-0701-20	10 152	Profile W for recessed mounting L=2m	Lacquered WHITE		
 P12-0074-00	10 045	End cap in ABS for Profiles G, W	GREY, pre-drilled		
 P12-0073-00	10 153	End cap in ABS for Profiles G, W	INOX (Bronze), pre-drilled		
 P12-0072-00	10 154	End cap in ABS for Profiles G, W	BLACK, pre-drilled		
 P12-0071-00	10 155	End cap in ABS for Profiles G, W	WHITE, pre-drilled		

PROFILE type **W** - for recessed mounting



Mounting with spring in the false-ceiling,
plus insertion of cover



Final result

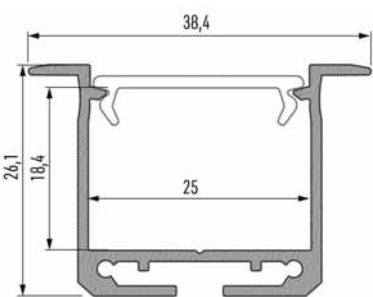


Final result (rear view)

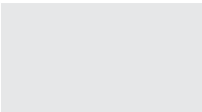
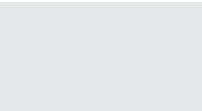


Final result (from bottom)

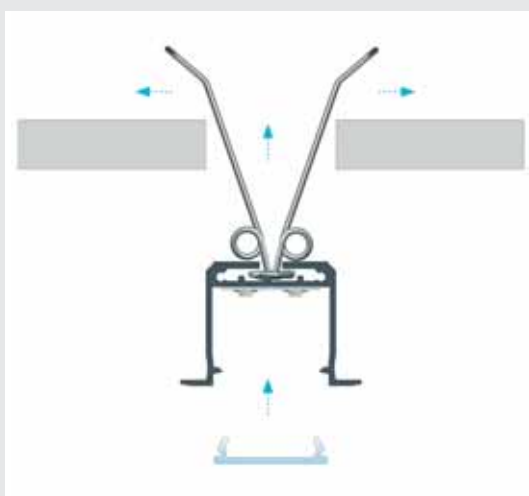
PROFILE type **ML** - for recessed mounting



for 2 strips

Code	Id code	Description	Finish		
 P10-0204-20	10 116	Profile ML for recessed mounting L=2m	Anodized SILVER		
 P10-0201-20	10 115	Profile ML for recessed mounting L=2m	Lacquered WHITE		
 P12-0964-00	10 064	End cap in ABS for Profile ML	GREY, pre-drilled		
 P12-0961-00	10 063	End cap in ABS for Profile ML	WHITE, pre-drilled		

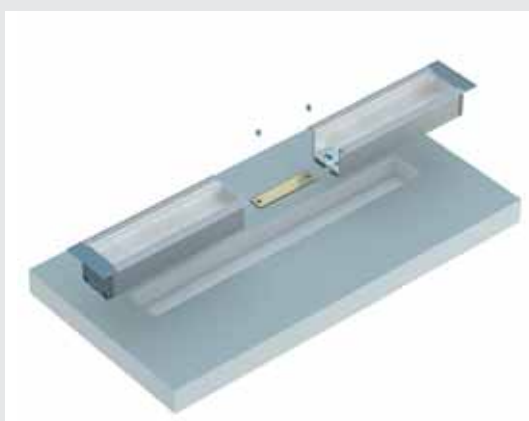
PROFILE type **ML** - for recessed mounting



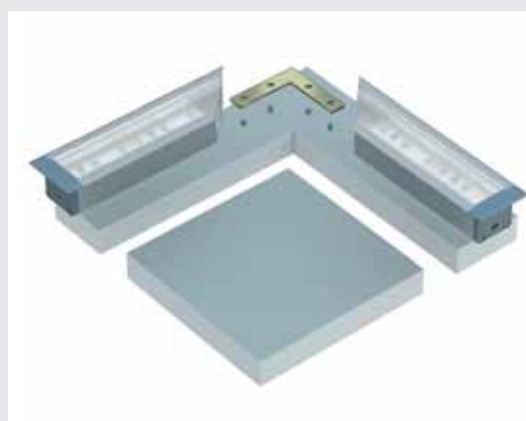
Mounting with spring in the false-ceiling,
plus insertion of cover



Final result

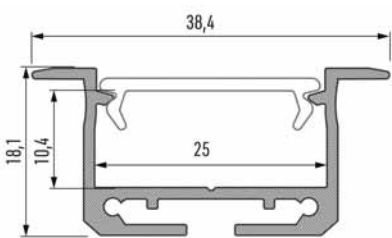


Mechanical connection using the straight connector

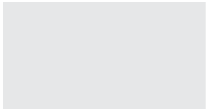
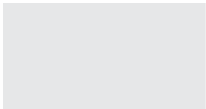
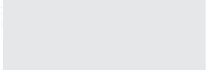
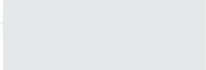


Mechanical connection using the angular connector

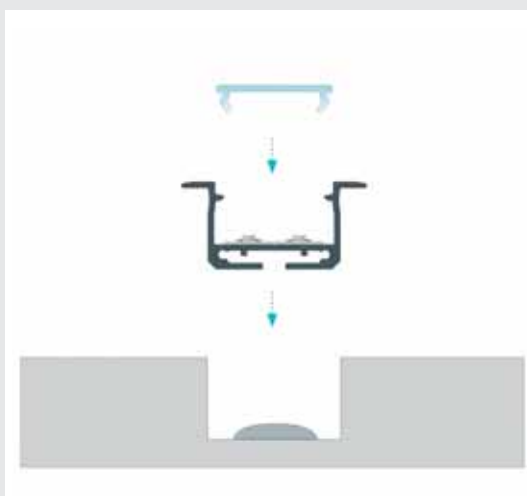
PROFILE type **SL** - for recessed mounting



for 2 strips

Code	Id code	Description	Finish		
 P10-0224-20	10 118	Profile SL for recessed mounting L=2m	Anodized SILVER		
 P10-0221-20	10 117	Profile SL for recessed mounting L=2m	Lacquered WHITE		
 P12-0974-00	10 066	End cap in ABS for Profile SL	GREY		
 P12-0971-00	10 065	End cap in ABS for Profile SL	WHITE		

PROFILE type **SL** - for recessed mounting



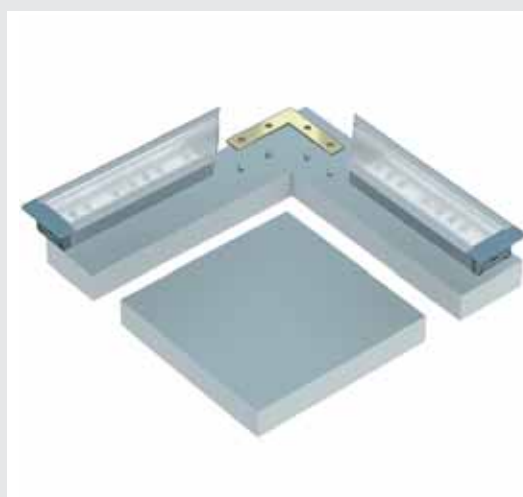
Fixation by glue in a milled groove, plus insertion of cover



Final result

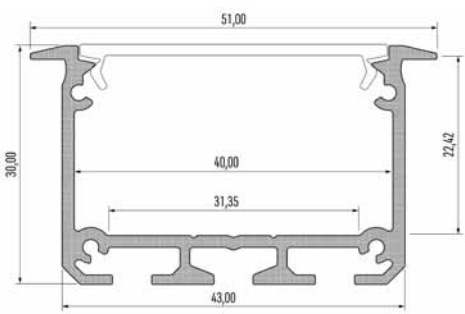


Mechanical connection using the straight connector



Mechanical connection using the angular connector

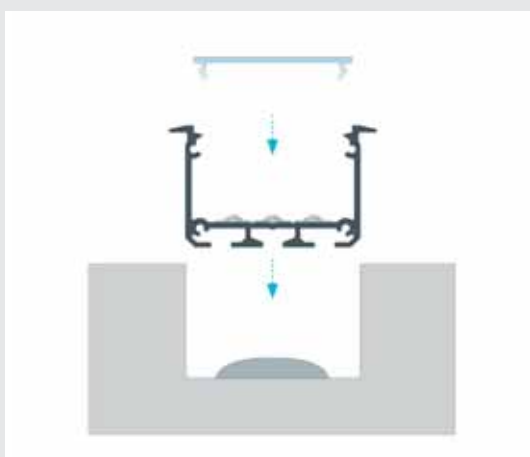
PROFILE type IN3 - for recessed mounting



for 3 strips

Code	Id code	Description	Finish		
 P10-0124-20	10 203	Profile IN3 for recessed mounting L=2m	Anodized SILVER		
 P10-0121-20	10 204	Profile IN3 for recessed mounting L=2m	Lacquered WHITE		
 P12-0125-11	10 205	End cap in Aluminium for Profile IN3	GREY		
 P12-0121-11	10 206	End cap in Aluminium for Profile IN3	WHITE		
 P12-0124-01	10 207	End cap in ABS for Profile IN3	GREY		
 P12-0121-01	10 208	End cap in ABS for Profile IN3	WHITE		

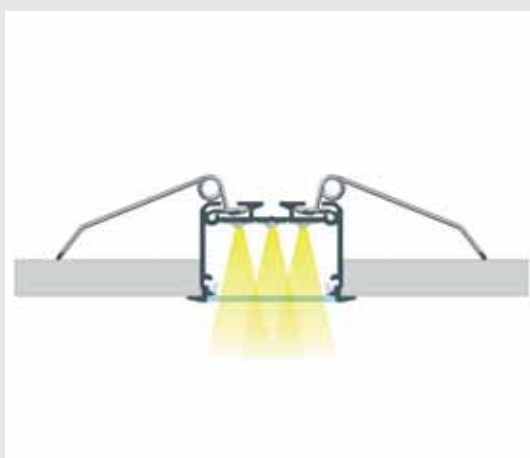
PROFILE type **IN3** - for recessed mounting



Fixation by glue in a milled groove, plus insertion of cover



Final result

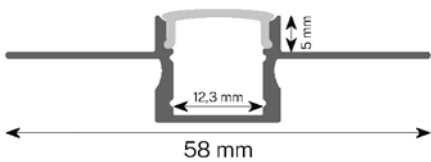
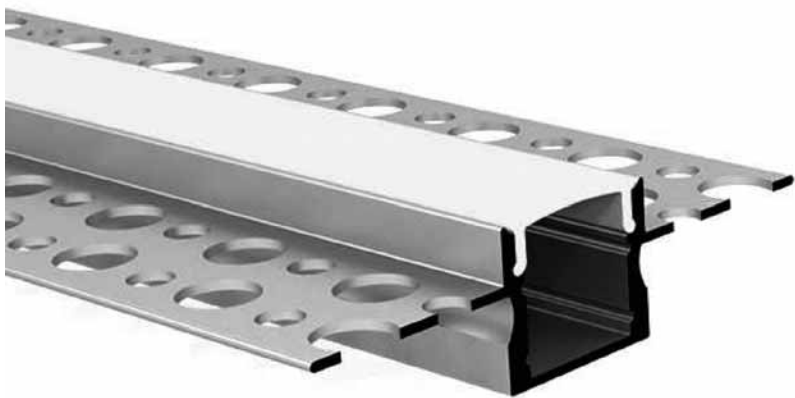


Example of mounting with spring in the false-ceiling



Example of installation 90° corner (45° cut to be done)

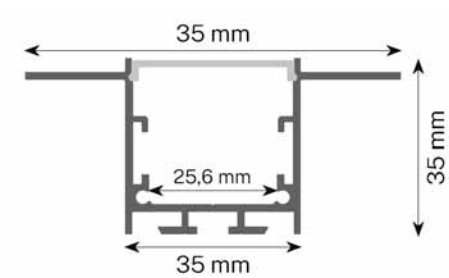
PROFILE type **TRM1** - trimless single (no edge)



Code	Description	Finish		
 10 229	Profile TRM1 trimless single L=2m	Aluminium		
 10 231	Cover in PC for TRM1 Profile L=2m	OPAL		
 10 232	Cover in PC for TRM1 Profile L=2m	TRANSPARENT		
 10 233	Cover in PMMA for TRM1 Profile L=2m	BLACK		
 10 235	End cap in ABS for TRM1 Profile	GREY		
 10 236	End cap in ABS with hole for TRM1 Profile	GREY		



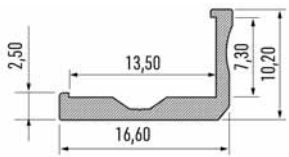
PROFILE type **TRM2** - trimless double (no edge)



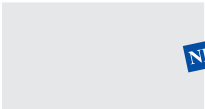
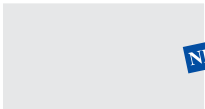
Code	Description	Finish		
 10 230	Profile TRM2 trimless double L=2m	Aluminium		
 10 234	Cover in PC for TRM2 Profile L=2m	OPAL		
 10 237	End cap in ABS for TRM2 Profile	GREY		
 10 238	End cap in ABS with hole for TRM2 Profile	GREY		



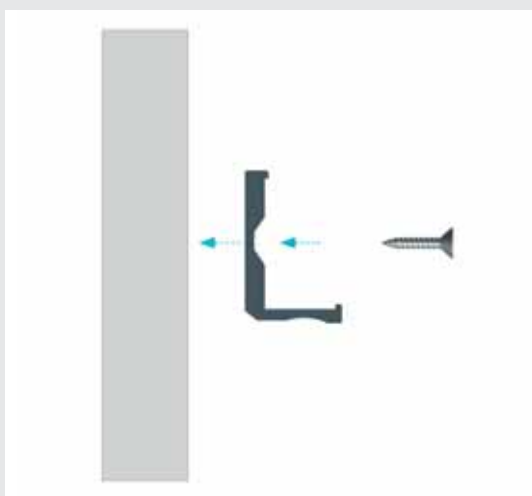
PROFILE type **F** - for surface mounting



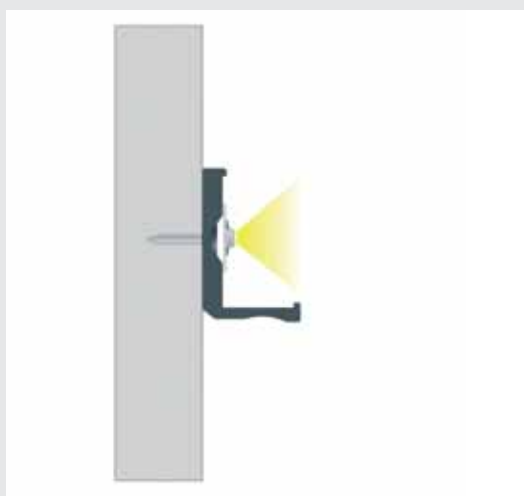
L-section

Code	Id code	Description	Finish		
P10-0064-20	10 156	Profile F for surface mounting L=2m	Anodized SILVER		 NEW
 P10-0061-20	10 157	Profile F for surface mounting L=2m	Lacquered WHITE		 NEW

PROFILE type **F** - for surface mounting

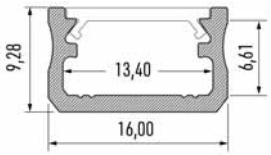


Mounting on a vertical surface



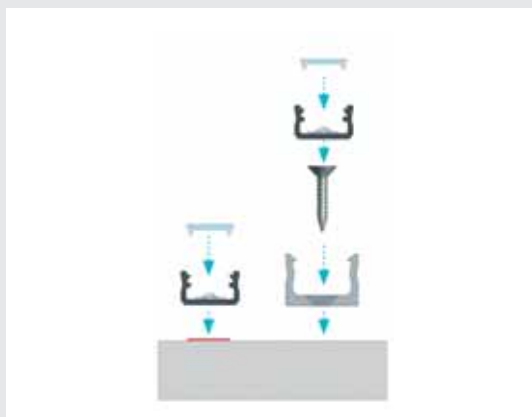
Final result

PROFILE type A - for surface mounting



Code	Id code	Description	Finish		
P10-0014-20	10 158	Profile A for surface mounting L=2m	Anodized SILVER		
 P10-0013-20	10 159	Profile A for surface mounting L=2m	Anodized INOX (Bronze)		
 P10-0012-20	10 160	Profile A for surface mounting L=2m	Anodized BLACK		
P10-0011-20	10 161	Profile A for surface mounting L=2m	Lacquered WHITE		
P12-0014-01	10 162	End cap in ABS for Profile A	GREY		
 P12-0013-01	10 163	End cap in ABS for Profile A	INOX (Bronze)		
 P12-0012-01	10 164	End cap in ABS for Profile A	BLACK		
P12-0011-01	10 165	End cap in ABS for Profile A	WHITE		

PROFILE type **A** - for surface mounting



Fixation with a bi-adhesive tape or screw + mounting clip and cover clicking

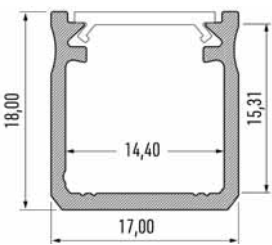


Final result



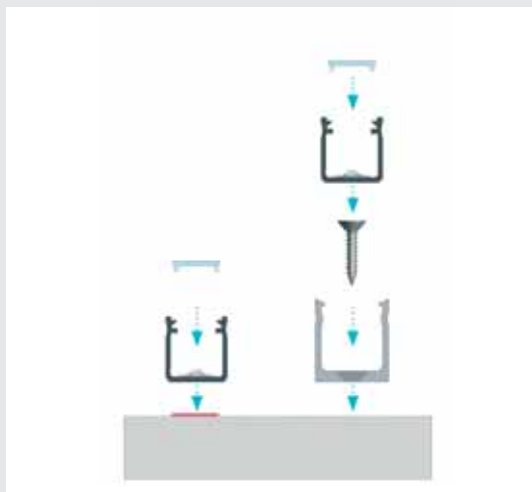
Example of suspension application

PROFILE type Y - for surface mounting



Code	Id code	Description	Finish		
P10-0094-20	10 112	Profile Y for surface mounting L=2m	Anodized SILVER		
 P10-0093-20	10 166	Profile Y for surface mounting L=2m	Anodized INOX (Bronze)		
 P10-0092-20	10 111	Profile Y for surface mounting L=2m	Anodized BLACK		
P10-0091-20	10 110	Profile Y for surface mounting L=2m	Lacquered WHITE		
P12-0094-01	10 048	End cap in ABS for Profile Y	GREY		
 P12-0093-01	10 167	End cap in ABS for Profile Y	INOX (Bronze)		
 P12-0092-01	10 047	End cap in ABS for Profile Y	BLACK		
P12-0091-01	10 046	End cap in ABS for Profile Y	WHITE		

PROFILE type Y - for surface mounting



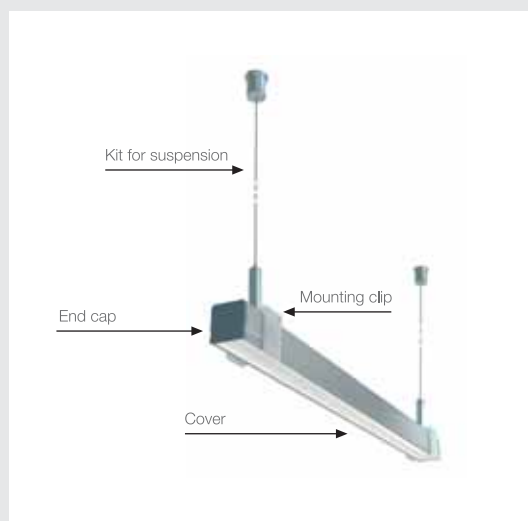
Fixation with a bi-adhesive tape or screw + mounting clip and cover clicking



Final result

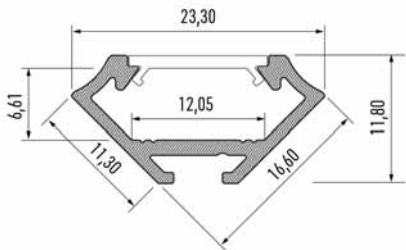


Example of installation 90° corner (45° cut to be done)



Example of suspension application

PROFILE type C - for surface mounting



for 90° corner

Code	Id code	Description	Finish		
P10-0034-20	10 168	Profile C for surface mounting L=2m	Anodized SILVER		
 P10-0033-20	10 169	Profile C for surface mounting L=2m	Anodized INOX (Bronze)		
 P10-0032-20	10 170	Profile C for surface mounting L=2m	Anodized BLACK		
P10-0031-20	10 171	Profile C for surface mounting L=2m	Lacquered WHITE		
P12-0044-01	10 172	End cap in ABS for Profile C	GREY		
 P12-0043-01	10 173	End cap in ABS for Profile C	INOX (Bronze)		
 P12-0042-01	10 174	End cap in ABS for Profile C	BLACK		
P12-0041-01	10 175	End cap in ABS for Profile C	WHITE		

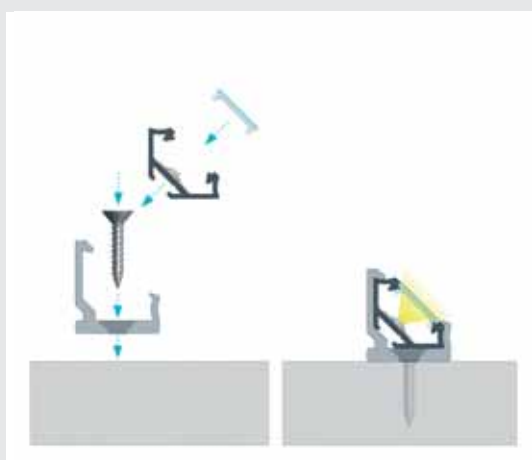
PROFILE type C - for surface mounting



Fixation with a bi-adhesive tape plus cover clicking



Final result



Fixation with screw + mounting clip and cover clicking

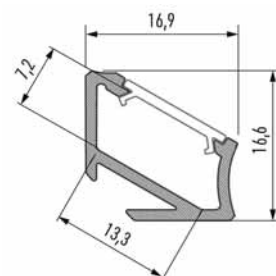


Example of installation 90° corner (45° cut to be done)

PROFILE type H - for surface mounting



*for 90° corner
asymmetric section for 30°/60° beam tilting*



Code	Id code	Description	Finish		
 P10-0454-20	10 176	Profile H for surface mounting L=2m	Anodized SILVER		
 P10-0453-20	10 177	Profile H for surface mounting L=2m	Anodized INOX (Bronze)		
 P10-0452-20	10 178	Profile H for surface mounting L=2m	Anodized BLACK		
 P10-0451-20	10 179	Profile H for surface mounting L=2m	Lacquered WHITE		
 P12-0944-01	10 180	LEFT end cap in ABS for Profile H	GREY		
 P12-0954-01	10 184	RIGHT end cap in ABS for Profile H	GREY		
 P12-0943-01	10 181	LEFT end cap in ABS for Profile H	INOX (Bronze)		
 P12-0953-01	10 185	RIGHT end cap in ABS for Profile H	INOX (Bronze)		
 P12-0942-01	10 182	LEFT end cap in ABS for Profile H	BLACK		
 P12-0952-01	10 186	RIGHT end cap in ABS for Profile H	BLACK		
 P12-0941-01	10 183	LEFT end cap in ABS for Profile H	WHITE		
 P12-0951-01	10 187	RIGHT end cap in ABS for Profile H	WHITE		

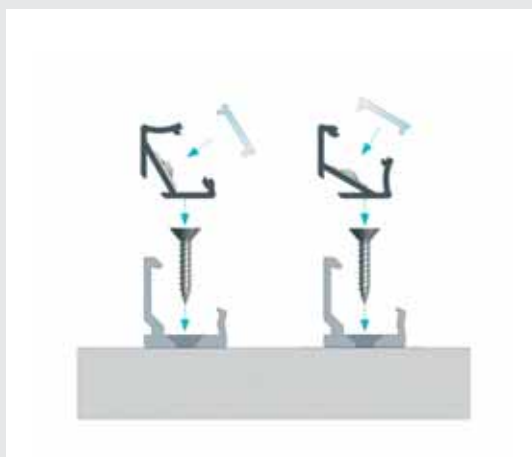
PROFILE type **H** - for surface mounting



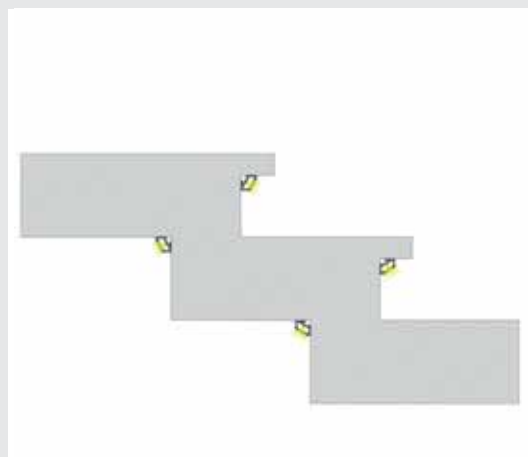
Fixation with a bi-adhesive tape plus cover clicking



Final result

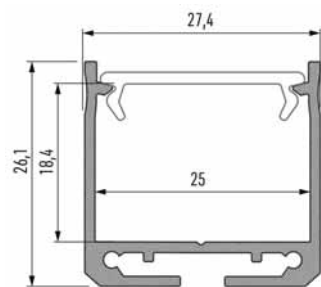


Example of installation with mounting clip

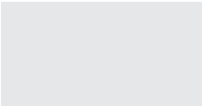
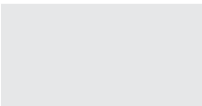
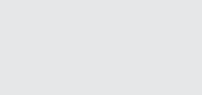
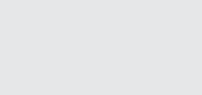


Example of installation in stairs step, at both 30° and 60°

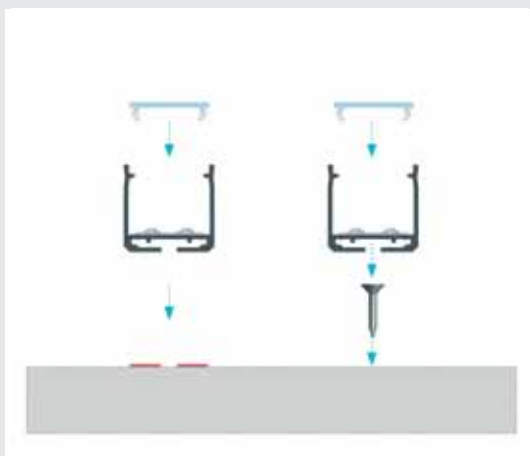
PROFILE type **M** - for surface mounting



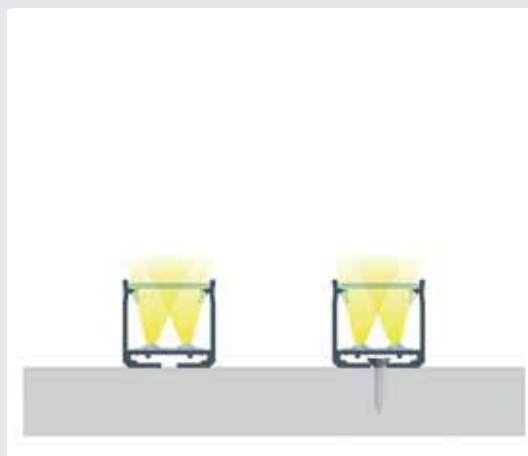
for 2 strips

Code	Id code	Description	Finish		
 P10-0184-20	10 114	Profile M for surface mounting L=2m	Anodized SILVER		
 P10-0181-20	10 113	Profile M for surface mounting L=2m	Lacquered WHITE		
 P12-0934-01	10 062	End cap in ABS for Profile M	GREY		
 P12-0931-01	10 061	End cap in ABS for Profile M	WHITE		

PROFILE type **M** - for surface mounting



Fixation with a bi-adhesive tape or screw, plus cover clicking

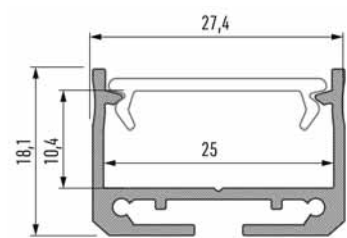


Final result

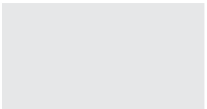
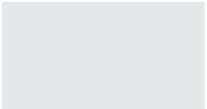
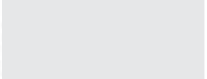
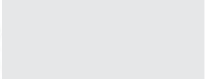


Example of suspension application with 90° corners (using the mechanical connector)

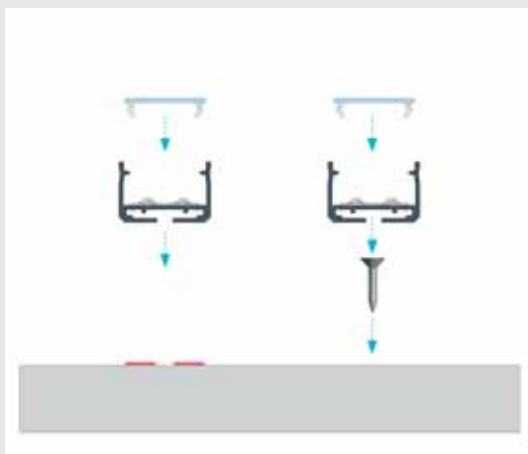
PROFILE type **S** - for surface mounting



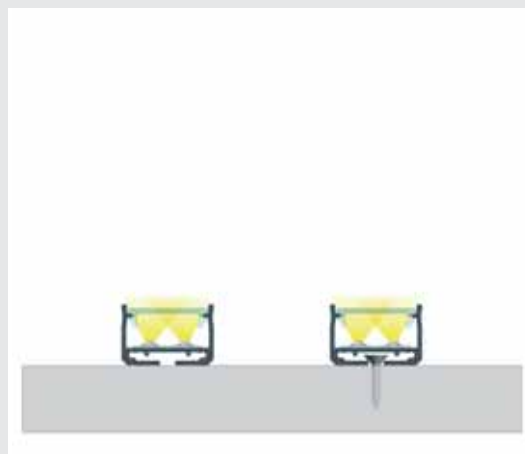
for 2 strips

Code	Id code	Description	Finish		
 P10-0334-20	10 120	Profile S for surface mounting L=2m	Anodized SILVER		
 P10-0331-20	10 119	Profile S for surface mounting L=2m	Lacquered WHITE		
 P12-1004-01	10 068	End cap in ABS for Profile S	GREY		
 P12-1001-01	10 067	End cap in ABS for Profile S	WHITE		

PROFILE type **S** - for surface mounting



Fixation with a bi-adhesive tape or screw,
plus cover clicking

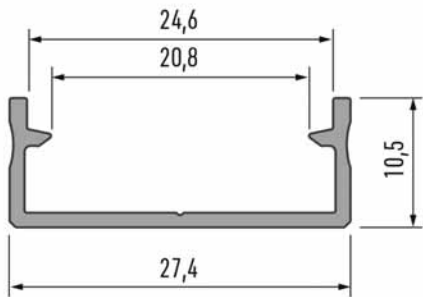


Final result



Example of suspension application

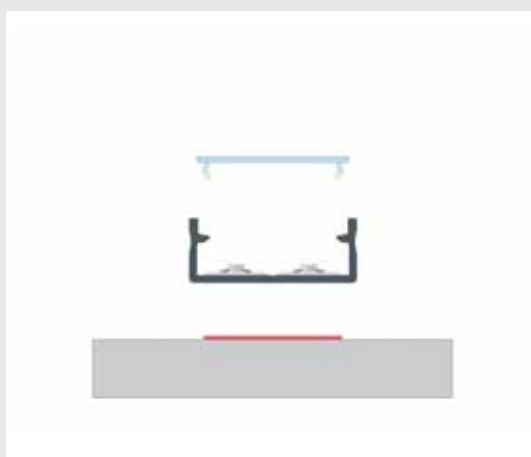
PROFILE type **DUO** - for surface mounting



for 2 strips

Code	Id code	Description	Finish		
 P10-0000-79	10 224	Profile DUO for surface mounting L=2m	Anodized SILVER		
 P10-0000-65	10 225	Profile DUO for surface mounting L=2m	Lacquered WHITE		
 P12-0000-62	10 226	End cap in ABS for Profile DUO	GREY, pre-drilled	 	
 P12-0000-59	10 227	End cap in ABS for Profile DUO	WHITE, pre-drilled	 	

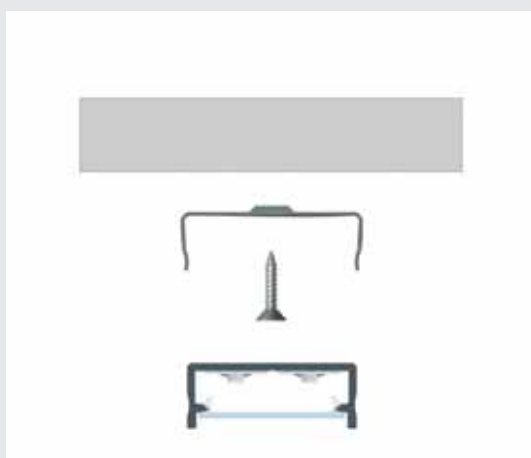
PROFILE type **DUO** - for surface mounting



Installation with a bi-adhesive tape and cover clicking



Final result

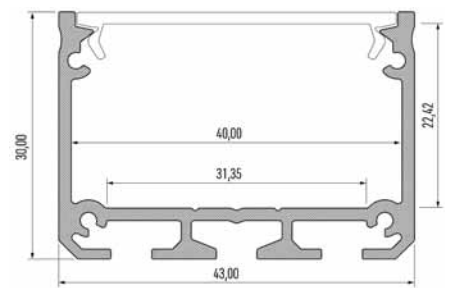


Installation with screw + mounting clip and cover clicking



Final result

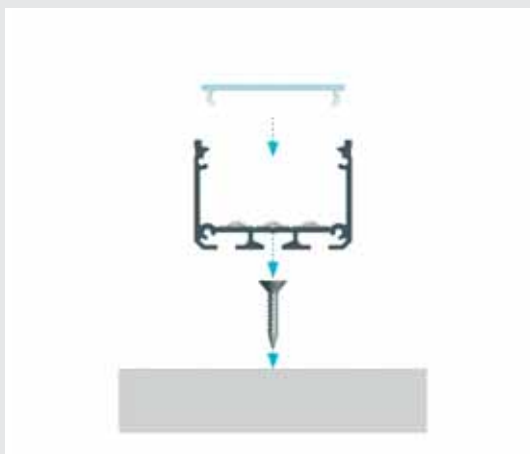
PROFILE type IL3 - for surface mounting



for 3 strips

Code	Id code	Description	Finish		
P10-0114-20	10 195	Profile IL3 for surface mounting L=2m	Anodized SILVER		
P10-0111-20	10 196	Profile IL3 for surface mounting L=2m	Lacquered WHITE		
P12-0115-11	10 248	End cap in Aluminium for Profile IL3	GREY		
P12-0111-11	10 249	End cap in Aluminium for Profile IL3	WHITE		
P12-0115-10	10 250	End cap with hole, in Aluminium for Profile IL3	GREY		
P12-0111-10	10 251	End cap with hole, in Aluminium for Profile IL3	WHITE		
P12-0114-01	10 197	End cap in ABS for Profile IL3	GREY		
P12-0111-01	10 198	End cap in ABS for Profile IL3	WHITE		

PROFILE type **IL3** - for surface mounting



Installation using mounting screw

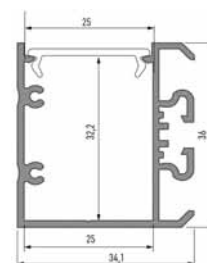


Final result



Example of suspension application

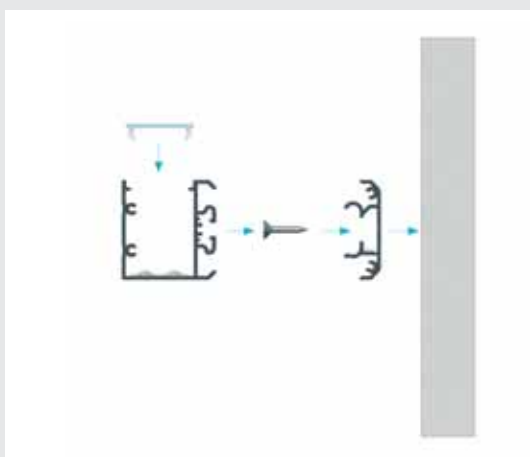
PROFILE type SD - for surface mounting



for 2 strips

Code	Id code	Description	Finish		
 P10-0394-20	10 213	Profile SD for surface mounting L=2m	Anodized SILVER		
 P10-0391-20	10 214	Profile SD for surface mounting L=2m	Lacquered WHITE		
 P10-0344-20	10 215	SUPPORT for mounting Profile SD and 2SD	Anodized SILVER		
 P10-0341-20	10 241	SUPPORT for mounting Profile SD and 2SD	Lacquered WHITE		
 P12-0875-11	10 216	LEFT end cap in Aluminium for Profile SD	GREY		
 P12-0885-11	10 217	RIGHT end cap in Aluminium for Profile SD	GREY		
 P12-0871-11	10 218	LEFT end cap in Aluminium for Profile SD	WHITE		
 P12-0881-11	10 219	RIGHT end cap in Aluminium for Profile SD	WHITE		
 P12-0875-10	10 242	LEFT end cap with hole, in Aluminium for Profile SD	GREY		
 P12-0885-10	10 243	RIGHT end cap with hole, in Aluminium for Profile SD	GREY		
 P12-0871-10	10 244	LEFT end cap with hole, in Aluminium for Profile SD	WHITE		
 P12-0881-10	10 245	RIGHT end cap with hole, in Aluminium for Profile SD	WHITE		

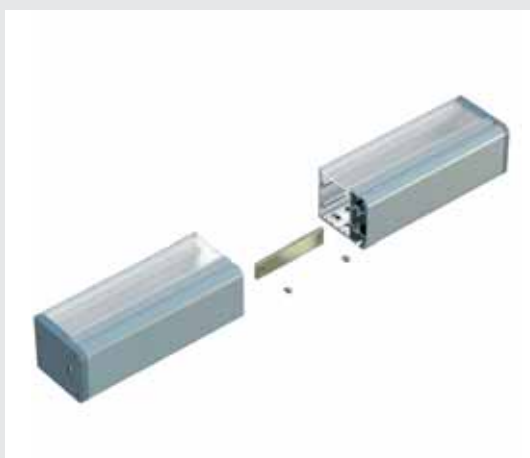
PROFILE type **SD** - for surface mounting



Use of the Support



Final result

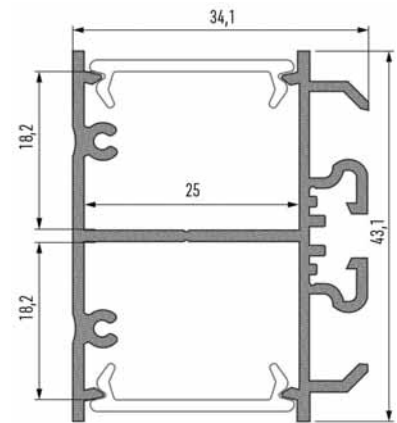


Mechanical connection using the straight connector



Mechanical connection using the angular connector

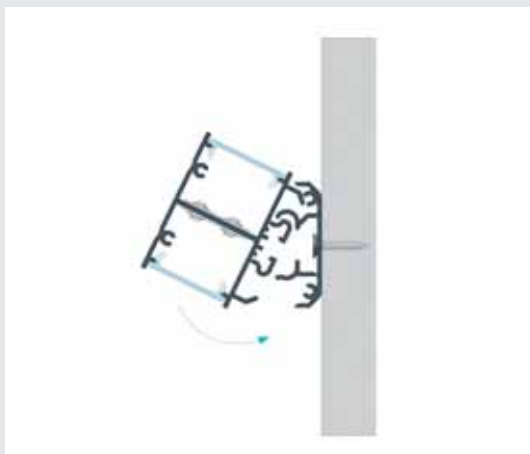
PROFILE type 2SD - for surface mounting



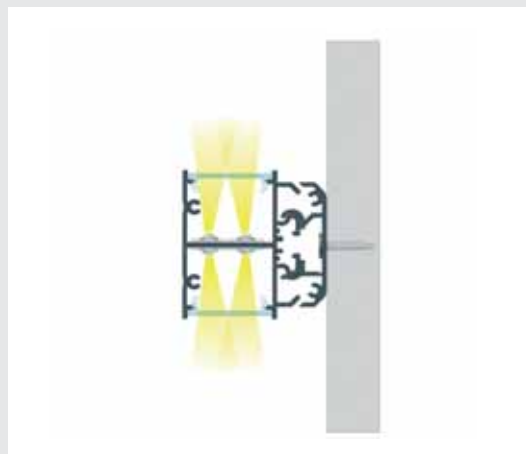
for 2+2 strips
biemission

Code	Id code	Description	Finish		
 P10-0194-20	10 220	Profile 2SD for surface mounting L=2m	Anodized SILVER		
 P10-0191-20	10 221	Profile 2SD for surface mounting L=2m	Lacquered WHITE		
 P10-0344-20	10 215	SUPPORT for mounting Profile SD and 2SD	Anodized SILVER		
 P10-0341-20	10 241	SUPPORT for mounting Profile SD and 2SD	Lacquered WHITE		
 P12-0205-11	10 222	End cap in Aluminium for Profile 2SD	GREY		
 P12-0201-11	10 223	End cap in Aluminium for Profile 2SD	WHITE		
 P12-0205-10	10 239	End cap with hole, in Aluminium for Profile 2SD	GREY		
 P12-0201-10	10 240	End cap with hole, in Aluminium for Profile 2SD	WHITE		

PROFILE type **2SD** - for surface mounting



Use of the Support



Final result

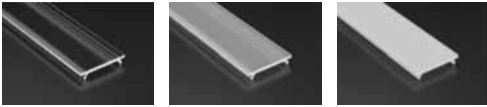
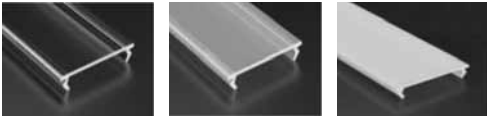
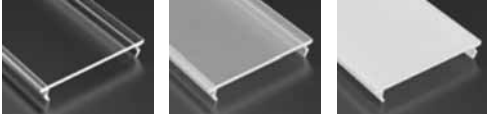
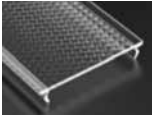


Mechanical connection using the straight connector



Mechanical connection using the angular connector

ACCESSORIES for PROFILE

Code	Id	For Type	Description	Photo	Finish/Type
P11-2013-20	10 033	R B G W A Y C H	Cover Single in PMMA L = 2m		Transparent
P11-2012-20	10 032				Frozen
P11-2011-20	10 031				Milky
R P11-2017-20	10 188				Black NEW
R P11-2060-20	10 189				Lens 15° NEW
R P11-2080-20	10 190				Lens 30° NEW
P11-2073-20	10 036	ML SL M S DUO SD 2SD	Cover Double in PMMA L = 2m		Transparent
P11-2072-20	10 035				Frozen
P11-2071-20	10 034				Milky
R P11-2033-20	10 199	IN3 IL3	Cover Triple in PMMA L = 2m		Transparent NEW
R P11-2032-20	10 200				Frozen NEW
R P11-2031-20	10 201				Milky NEW
R P11-3034-20	10 202				Prismatic transparent in polycarbonate NEW



ACCESSORIES for PROFILE

Code	Id	For Type	Description	Photo	Finish/Type
 P14-2010-01	10 089	W	Kit for Suspension various lengths		L = 1250mm
 P14-2011-02	10 090	ML			L = 1500mm
 P14-2012-03	10 091	SL			L = 2000mm
 P14-2013-04	10 092	A			L = 3000mm
 P14-2014-05	10 093	Y (with clip)			L = 5000mm
		C			
		M	Mounting clip		Transparent 
		S			Transparent
		IL3			Transparent 
 P13-0000-01	10 228	DUO	Mounting clip		Galvanized steel 
 P14-5001-00	10 106	W ML SL IN3	Mounting spring		Galvanized steel
 P14-3032-02	10 209	W ML SL IN3	Connector straight		Metal    
 P14-3030-01	10 210	C	Connector 90° flat		
 P14-3038-01	10 211	H	Connector 90° transverse		
 P14-3036-01	10 212	M S IL3 SD 2SD	Connector 120° flat		

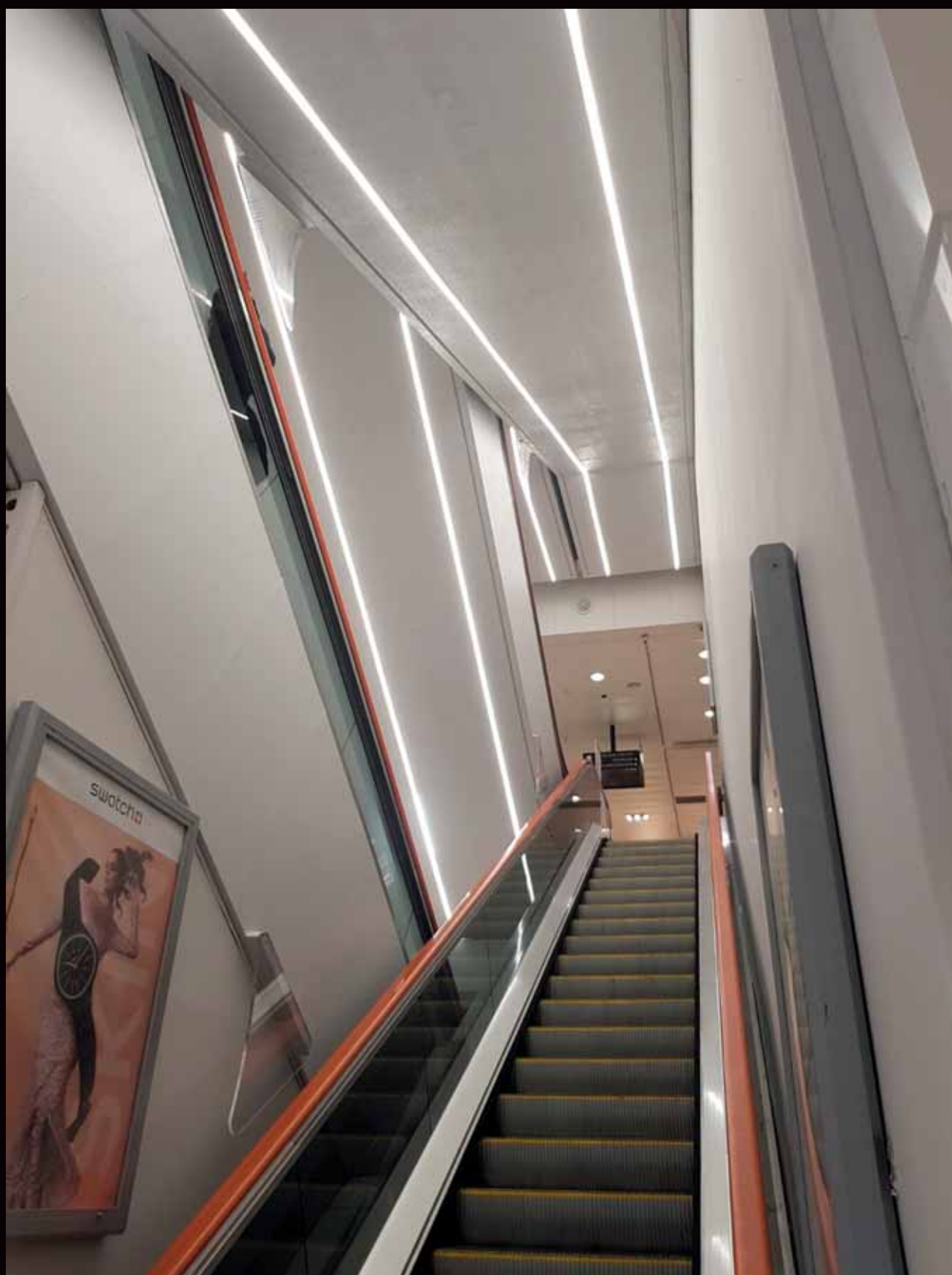












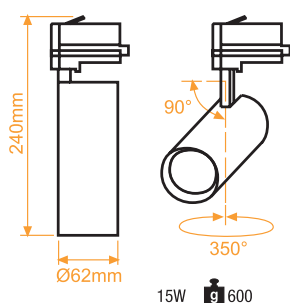


Indoor Technical Lighting

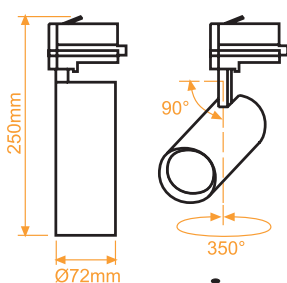
PROJECTOR for Eurostandard TRACK CYL



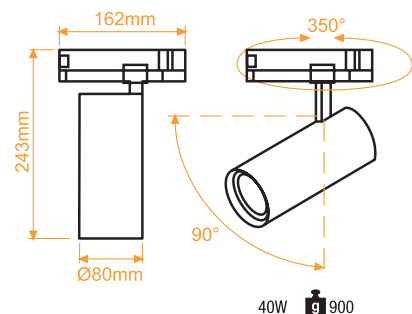
Tunable White



15W  60°



30W  70°



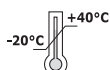
40W  90°

Code	Id code	Description	P	T _c	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack	
DZS-TR62-C15W	80 290	Proj. Eurostd TRACK CYL - white	15W	2700K 4000K 6000K	220-240~	1000 1100 1100	>0.9	38°	>90	P117	1	
DZS-TR62-C15B	80 291	Proj. Eurostd TRACK CYL - black	15W	2700K 4000K 6000K	220-240~	1000 1100 1100	>0.9	38°	>90	P117	1	
DZS-TR72-C30W	80 292	Proj. Eurostd TRACK CYL - white	30W	2700K 4000K 6000K	220-240~	2200 2400 2400	>0.9	38°	>90	P117	1	
DZS-TR72-C30B	80 293	Proj. Eurostd TRACK CYL - black	30W	2700K 4000K 6000K	220-240~	2200 2400 2400	>0.9	38°	>90	P117	1	
DMS-TR8026-C40W	80 294	Proj. Eurostd TRACK CYL - white	40W	2700K 4000K 6000K	220-240~	3700 3900 3900	>0.9	40°	>90	P118	1	
DMS-TR8026-C40B	80 295	Proj. Eurostd TRACK CYL - black	40W	2700K 4000K 6000K	220-240~	3700 3900 3900	>0.9	40°	>90	P118	1	

Projector with 3-circuits adaptor for Eurostandard track, integrating high power LEDs arrays geared by an internal driver. Body in diecast Aluminium. Frontal convex lens in glass. The optical vane can be tilted 90°. Possible 355° rotation on the vertical axis. Finish: painting opaque white or black.

Switch for CCT sorting among three optional colour temperatures (tunable white fixture).

L70 B50
48.000h
(Ta=25°C)



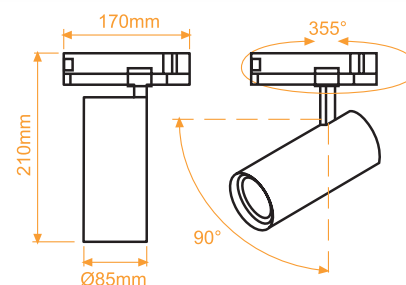
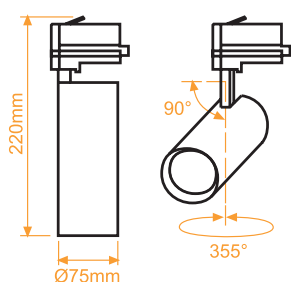
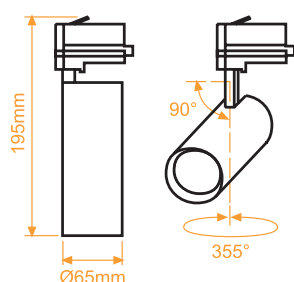
IP20
IK05



PROJECTOR for Eurostandard TRACK CYL EVO



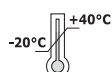
Tunable White



Code	Description	P	T _c	Voltage	Φ _{TOT} (lm)	PF	Beam	Ra	Beam	Pack	
80 316	Proj. Eurostd TRACK CYL EVO - white	20W	2700K 3000K 4000K	220-240~	1500 1600 1500	>0.9	36°	>90	P124	1	NEW
80 317	Proj. Eurostd TRACK CYL EVO - black	20W	2700K 3000K 4000K	220-240~	1500 1600 1500	>0.9	36°	>90	P124	1	NEW
80 318	Proj. Eurostd TRACK CYL EVO - white	30W	2700K 3000K 4000K	220-240~	2200 2400 2300	>0.9	36°	>90	P124	1	NEW
80 319	Proj. Eurostd TRACK CYL EVO - black	30W	2700K 3000K 4000K	220-240~	2200 2400 2300	>0.9	36°	>90	P124	1	NEW
80 320	Proj. Eurostd TRACK CYL EVO - white	35W	2700K 3000K 4000K	220-240~	2500 2850 2850	>0.9	36°	>90	P124	1	NEW
80 321	Proj. Eurostd TRACK CYL EVO - black	35W	2700K 3000K 4000K	220-240~	2500 2850 2850	>0.9	36°	>90	P124	1	NEW

Projector with 3-circuits adaptor for Eurostandard track, integrating high power LEDs arrays geared by an internal driver. Body in diecast Aluminium. Frontal convex lens in glass. The optical vane can be tilted 90°. Possible 355° rotation on the vertical axis. Finish: painting opaque white or black.

Switch for CCT sorting among three optional colour temperatures (tunable white fixture).



IP20
IK05

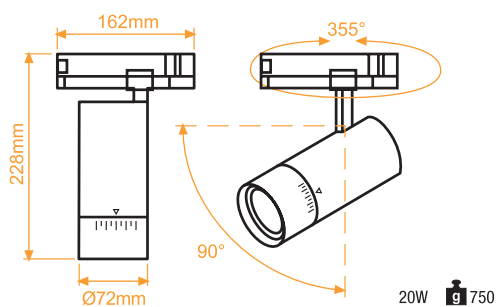


PROJECTOR for Eurostandard TRACK CYL ZOOM

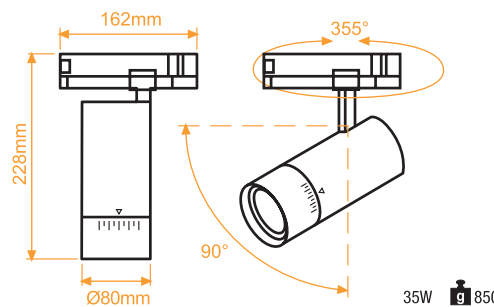


Tunable White

Adjustable beam 25°-60°



20W 750



35W 850

Code	Id code	Description	P	T _c	Voltage	PF		Ra	Pack	
DBJ-TR7223-C20B	80 299	Proj. Eurostd TRACK CYL ZOOM - black	20W	3000K 4000K 6000K	220-240~	>0.9	25°-60°	>90	1	
DBJ-TR7223-C20W	80 300	Proj. Eurostd TRACK CYL ZOOM - white	20W	3000K 4000K 6000K	220-240~	>0.9	25°-60°	>90	1	
DBJ-TR8026-C35B	80 301	Proj. Eurostd TRACK CYL ZOOM - black	35W	3000K 4000K 6000K	220-240~	>0.9	25°-60°	>90	1	
DBJ-TR8026-C35W	80 302	Proj. Eurostd TRACK CYL ZOOM - white	35W	3000K 4000K 6000K	220-240~	>0.9	25°-60°	>90	1	

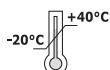
Projector with 3-circuits adaptor for Eurostandard track, integrating high power LEDs arrays geared by an internal driver. Body in diecast Aluminium. Frontal convex lens in polycarbonate. The optical vane can be oriented 355° and tilted 90°. Finish: painting opaque white or black.

Switch for CCT sorting among three optional colour temperatures (tunable white fixture).

Zoomable beam opening, possible setup at every angle in the range 25°-60°.

20W					35W				
T _c		Φ _{TOT} (lm)			T _c		Φ _{TOT} (lm)		
3000K	25°	1130	P119		3000K	25°	2900	P119	
	60°	1430	P120			60°	3300	P120	
4000K	25°	1280	P119		4000K	25°	3250	P119	
	60°	1580	P120			60°	3650	P120	
6000K	25°	1310	P119		6000K	25°	3000	P119	
	60°	1620	P120			60°	3330	P120	

L70 B50
50 .000h
(Ta=25°C)



IP20
IK05

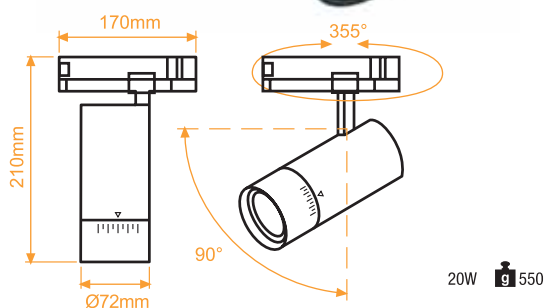


PROJECTOR for Eurostandard TRACK CYL ZOOM EVO

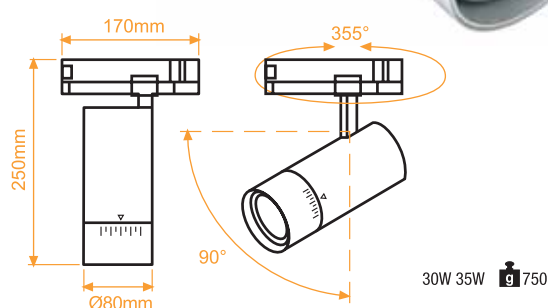


Tunable White

Adjustable beam 20°-60°



20W 550



30W 35W 750

Code	Description	P	T _c	Voltage	PF	⚡	R _a	Pack	
80 322	Proj. Eurostd TRACK CYL ZOOM EVO - white	20W	2700K 3000K 4000K	220-240~	>0.9	20°-60°	>90	1	NEW
80 323	Proj. Eurostd TRACK CYL ZOOM EVO - black	20W	2700K 3000K 4000K	220-240~	>0.9	20°-60°	>90	1	NEW
80 324	Proj. Eurostd TRACK CYL ZOOM EVO - white	30W	2700K 3000K 4000K	220-240~	>0.9	20°-60°	>90	1	NEW
80 325	Proj. Eurostd TRACK CYL ZOOM EVO - black	30W	2700K 3000K 4000K	220-240~	>0.9	20°-60°	>90	1	NEW
80 326	Proj. Eurostd TRACK CYL ZOOM EVO - white	35W	2700K 3000K 4000K	220-240~	>0.9	20°-60°	>90	1	NEW
80 327	Proj. Eurostd TRACK CYL ZOOM EVO - black	35W	2700K 3000K 4000K	220-240~	>0.9	20°-60°	>90	1	NEW

Projector with 3-circuits adaptor for Eurostandard track, integrating high power LEDs arrays geared by an internal driver. Body in diecast Aluminium. Frontal convex lens in polycarbonate. The optical vane can be oriented 355° and tilted 90°. Finish: painting opaque white or black.

Switch for CCT sorting among three optional colour temperatures (tunable white fixture).

Zoomable beam opening, possible setup at every angle in the range 20°-60°.

20W

T _c	⚡	Φ _{TOT} (lm)	
2700K	20°	1200	P125
	60°	1400	P126
3000K	20°	1300	P125
	60°	1600	P126
4000K	20°	1200	P125
	60°	1400	P126

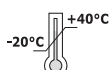
30W

T _c	⚡	Φ _{TOT} (lm)	
2700K	20°	2000	P125
	60°	2200	P126
3000K	20°	2300	P125
	60°	2500	P126
4000K	20°	2200	P125
	60°	2400	P126

35W

T _c	⚡	Φ _{TOT} (lm)	
2700K	20°	2400	P125
	60°	2600	P126
3000K	20°	2700	P125
	60°	3000	P126
4000K	20°	2700	P125
	60°	3000	P126

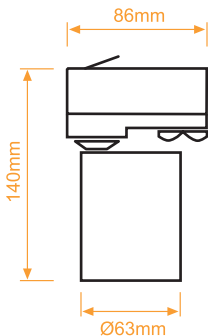
L70 B50
50 .000h
(Ta=25°C)



IP20
IK05



PROJECTOR for GU10 lamp - Eurostandard TRACK



200

Lamp not included

Code	Id code	Description	Voltage	Pack
DOBS-TLS-01-4/W	90 026	Proj. GU10 Eurostd TRACK - white	220-240~	1
DOBS-TLS-01-4/B	90 027	Proj. GU10 Eurostd TRACK - black	220-240~	1

Projector for LED GU10 lamp, with 3-circuits adaptor for Eurostandard track.
Body in diecast Aluminium.
Orientable 355° and tiltable 90°.
Finish: painting opaque white or black.



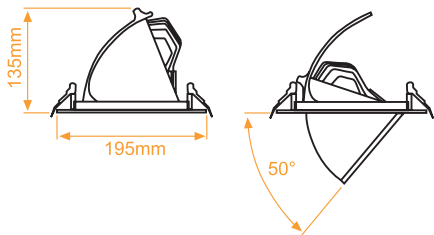
IP20
IK07



RECESSED DOWNLIGHTER ELBOW



Tunable White
Multipower



Driver included

Code	Id code	Description	P	T _c	Voltage	PF		Ra		Pack
DRS-006-S38W	80 296	Recessed Downlighter ELBOW - white	28W / 38W	3000K 4000K 5700K	220-240~	>0.9	90°	≥80	P116	1
DRS-006-S38B	80 297	Recessed Downlighter ELBOW - black	28W / 38W	3000K 4000K 5700K	220-240~	>0.9	90°	≥80	P116	1

Recessed downlighter for false ceiling application, with high power LEDs geared by an external LED driver. Possible rotation 350° and tilting 50°. Body in Aluminium alloy. Frontal frosted glass. Two sustaining springs in stainless steel. Finish: painting opaque white or black.

- Two switches on the back.
- for CCT-change, three optional colour temperatures available in one single fixture
 - for Power selection, two optional powers



P	T _c	Φ _{TOT} (lm)
28W	3000K	2500
	4000K	2950
	5700K	2500
38W	3000K	3400
	4000K	4000
	5700K	3400

RECESSED DOWNLIGHTER GU10/MR16 tilting



Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Icon	Pack	
FLLD57VA9-T	80 197	Rec. Downlighter GU10/MR16 with transparent lens	7W / 3000K	220-240~	650	>0.5	60°	≥80	P42	1	PES
FLLD57VE9-T	80 198	Rec. Downlighter GU10/MR16 with transparent lens	7W / 6500K	220-240~	650	>0.5	60°	≥80	P42	1	PES
FLLD57VAC-T	80 199	Rec. Downlighter GU10/MR16 with optical diffuser	7W / 3000K	220-240~	650	>0.5	110°	≥80	P43	1	PES

Recessed downlighter for false ceiling application, integrating an array of high power LEDs geared by an internal LED driver. Direct substitution of fixtures for GU10/MR16 halogen lamps.
50° tilting angle around the vertical axis. Fixture body in polycarbonate with opaque white finish. Frontal screen in polycarbonate with two options: transparent lens or frosted diffuser. Two sustaining springs in stainless steel.

Available accessory: Frontal ring in polycarbonate, grey painted finish (to be separately ordered)

L70 B50
25.000h
(Ta=25°C)

-25°C

+35°C

V.I. IP20

V.O. IP23

RISK GROUP 0

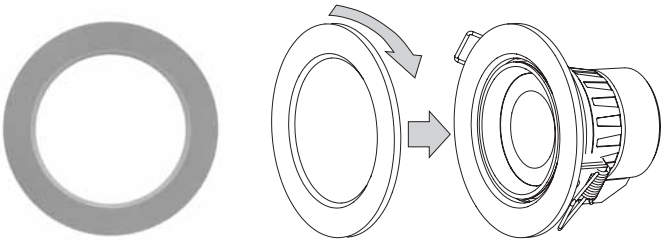
ZERO

ZERO

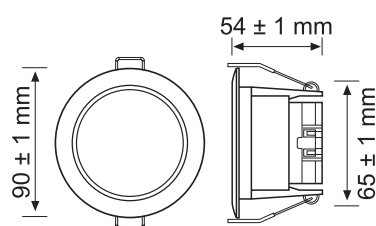
RoHS Compliant

ACCESSORIES

Code	Id code	Description	Finish	Pack (pcs)	
MM88RINGS	10 082	Polycarbonate frontal ring	GREY	6	PES



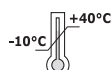
RECESSED DOWNLIGHTER GU10/MR16 IP44



Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Optical diffuser	Pack
FLLD57VAC	80 195	Rec. Downlighter GU10/MR16 IP44 with optical diffuser	7W / 3000K	220-240~	600	>0.5	100°	≥80	P76	1



Recessed downlighter for false ceiling application, integrating an array of high power LEDs geared by an internal LED driver. Direct substitution of fixtures for GU10/MR16 halogen lamps. IP44 protection degree against ingress of dust, solid objects and moisture. Fixture body in polycarbonate with opaque white finish. Frosted frontal screen in polycarbonate as optical diffuser. Two sustaining springs in stainless steel.

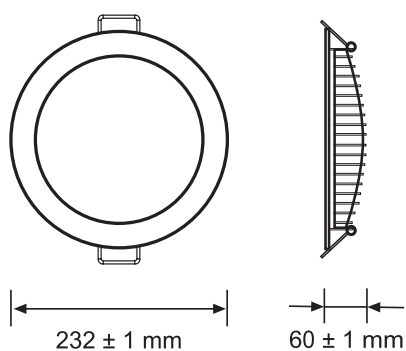


IP44





RECESSED DOWNLIGHTER PRO

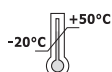


Driver included



Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Beam spread	Pack	
FLLDK7VAC	80 237	Recessed Downlighter PRO	23W / 3000K	220-240~	2150	≥0.9	110°	≥80	P74	1	PES
FLLDK7V2C	80 238	Recessed Downlighter PRO	23W / 4000K	220-240~	2150	≥0.9	110°	≥80	P74	1	PES
FLLDK7VEC	80 239	Recessed Downlighter PRO	23W / 6500K	220-240~	2150	≥0.9	110°	≥80	P74	1	PES

Recessed downlighter for false ceiling application, integrating an array of high power LEDs geared by a constant current LED driver. Body in Aluminium; opal frontal screen; frontal ring in Aluminium with opaque white painting; two sustaining springs in stainless steel.



V.I. IP20
V.O. IP43





RECESSED DOWNLIGHTER EXTRAFLAT White



P (W)	D (mm)	H (mm)	 g
15	170	10	200
18	225	10	500

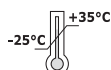
Driver included

Code	Id code	Description	P / T _c	 mm	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack
FLLD87VAC-F	80 179	Rec. Downlighter Extraflat White	15W / 3000K	155	220-240~	1200	>0.5	110°	≥80	P45	1
FLLD87V2C-F	80 180	Rec. Downlighter Extraflat White	15W / 4000K	155	220-240~	1200	>0.5	110°	≥80	P45	1
FLLD87VEC-F	80 181	Rec. Downlighter Extraflat White	15W / 6500K	155	220-240~	1200	>0.5	110°	≥80	P45	1
FLLDJ7VAC-F	80 173	Rec. Downlighter Extraflat White	18W / 3000K	205	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7V2C-F	80 174	Rec. Downlighter Extraflat White	18W / 4000K	205	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7VEC-F	80 175	Rec. Downlighter Extraflat White	18W / 6500K	205	220-240~	1400	>0.5	110°	≥80	P45	1

Recessed Extraflat downlighter for false ceiling application, for indoor use, integrating an array of high power LEDs geared by a constant current LED driver. Body in diecast Aluminium with white painting; frontal screen in polycarbonate with frosted finish; two sustaining springs in stainless steel.

ROUND model.

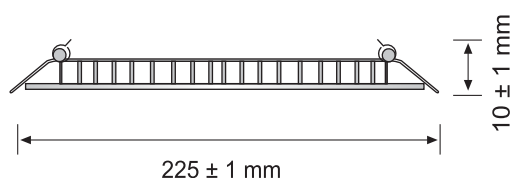
L70 B50
30.000h
(Ta=25°C)



V.I. IP20
V.O. IP43



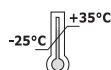
RECESSED DOWNLIGHTER EXTRAFLAT Silver



Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Icon	Pack
FLLDJ7V2C-G	80 177	Rec. Downlighter Extraflat Silver	18W / 3000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7VEC-G	80 178	Rec. Downlighter Extraflat Silver	18W / 6500K	220-240~	1400	>0.5	110°	≥80	P45	1

Recessed Extraflat downlighter for false ceiling application, for indoor use, integrating an array of high power LEDs geared by a constant current LED driver. Body in diecast Aluminium with silver grey painting; frontal screen in polycarbonate with frosted finish; two sustaining springs in stainless steel.

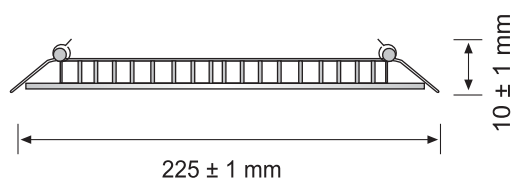
ROUND model.



V.I. IP20
V.O. IP43



RECESSED DOWNLIGHTER EXTRAFLAT SQUARE

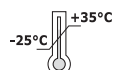


Driver included

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Beam spread	Pack
FLLDJ7VAC-Q	80 182	Rec. Downlighter Extraflat Square	18W / 3000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7V2C-Q	80 183	Rec. Downlighter Extraflat Square	18W / 4000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7VEC-Q	80 184	Rec. Downlighter Extraflat Square	18W / 6500K	220-240~	1400	>0.5	110°	≥80	P45	1

Recessed Extraflat downlighter for false ceiling application, for indoor use, integrating an array of high power LEDs geared by a constant current LED driver. Body in diecast Aluminium with white painting; frontal screen in polycarbonate with frosted finish; two sustaining springs in stainless steel.

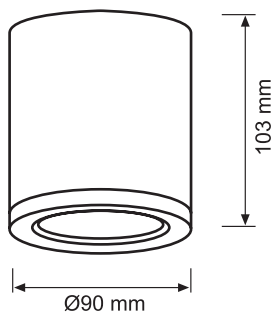
SQUARE model.



V.I. IP20
V.O. IP43



WALL-MOUNTED CYL

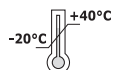


460
g

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack
DZY-EX03D-C15W/B	80 247	Wall-mounted CYL - black	15W / 3000K	220-240~	1500	>0.9	38°	≥80	P108	1 
DZY-EX03D-C15W/W	80 246	Wall-mounted CYL - white	15W / 3000K	220-240~	1500	>0.9	38°	≥80	P108	1 

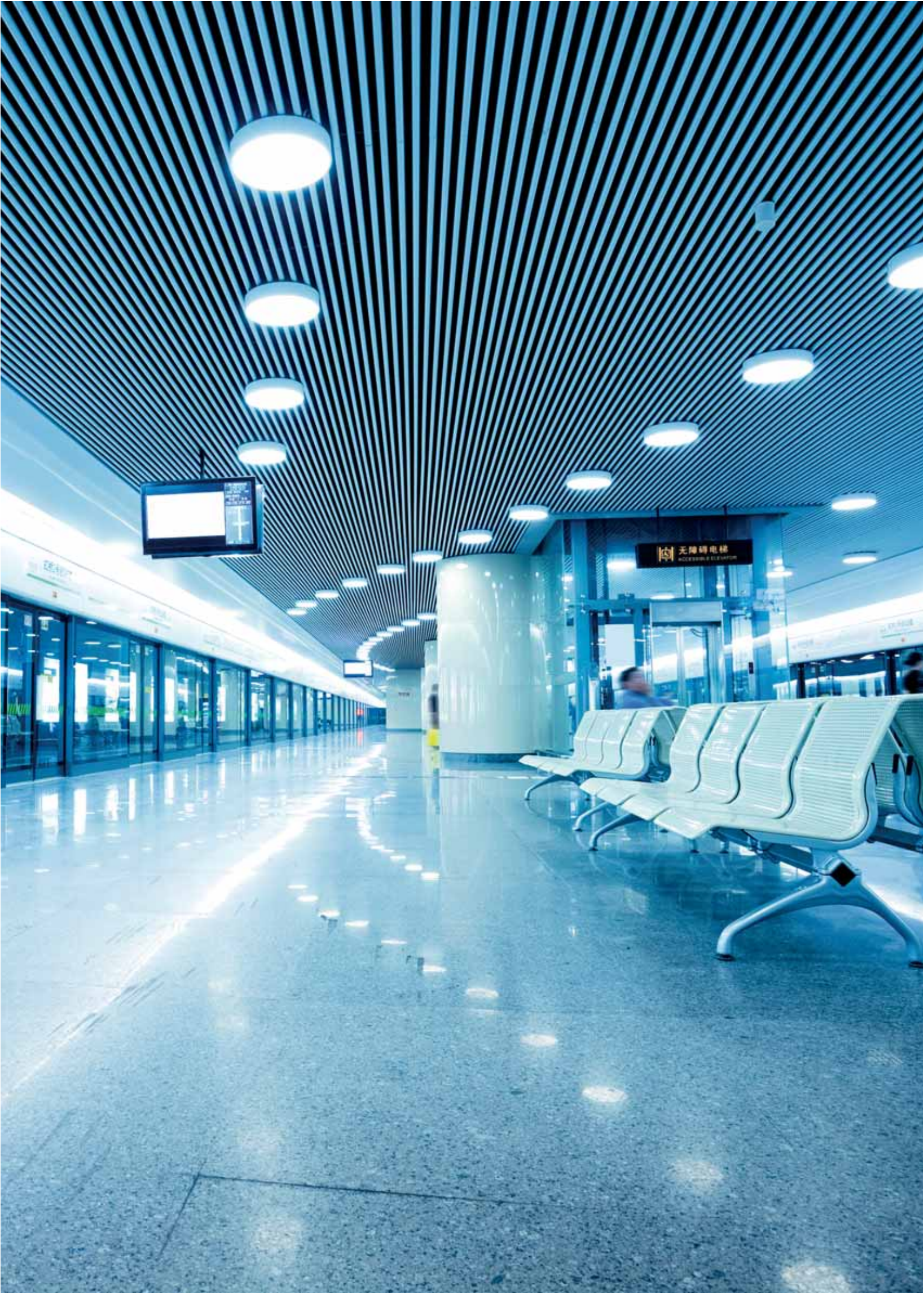
Wall-mounted fixture integrating an array of high power LEDs geared by an internal LED driver. Body in Aluminium alloy. High-reflectance reflector with mirror finish. Frontal lens in glass. Powder painting finish opaque black or white.

L70 B50
30.000h
(Ta=25°C)

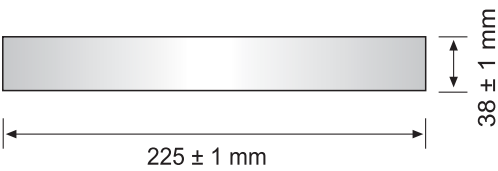


IP54
IK06





WALL-MOUNTED DOWNLIGHTER EXTRAFLAT



Driver included

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Beam spread	Pack
FLLDJ7VAC-W	80 281	Wall-mounted Downlighter Extraflat	18W / 3000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7V2C-W	80 282	Wall-mounted Downlighter Extraflat	18W / 4000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7VEC-W	80 283	Wall-mounted Downlighter Extraflat	18W / 6500K	220-240~	1400	>0.5	110°	≥80	P45	1

Wall-mounted Extraflat fixture, for indoor use, integrating an array of high power LEDs geared by a constant current LED driver. Body in diecast Aluminium with opaque white painting; frontal screen in polycarbonate with frosted finish.

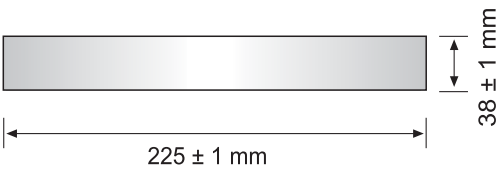
ROUND model.

L70 B50
30.000h
(Ta=25°C)

IP20
IK07

CE

WALL-MOUNTED DOWNLIGHTER EXTRAFLAT SQUARE



 Driver included

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack
FLLDJ7VAC-S	80 287	Wall-mounted Downl. Extraflat Square	18W / 3000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7V2C-S	80 288	Wall-mounted Downl. Extraflat Square	18W / 4000K	220-240~	1400	>0.5	110°	≥80	P45	1
FLLDJ7VEC-S	80 289	Wall-mounted Downl. Extraflat Square	18W / 6500K	220-240~	1400	>0.5	110°	≥80	P45	1

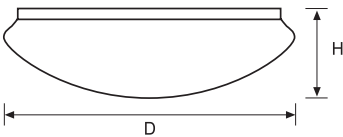
Wall-mounted Extraflat fixture, for indoor use, integrating an array of high power LEDs geared by a constant current LED driver.
Body in diecast Aluminium with opaque white painting; frontal screen in polycarbonate with frosted finish.

SQUARE model.



WALL-MOUNTED CEILING LIGHT IP44

New Tc 4000K
natural light

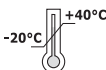


P (W)	D (mm)	H (mm)	
14	260	100	360
18	340	105	650
24	380	110	700

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack	
FLLRU7V2P	80 249	Wall-mounted Ceiling Light IP44	14W / 4000K	220-240~	950	>0.5	120°	≥80	P71	1	
FLLRJ7V2P	80 251	Wall-mounted Ceiling Light IP44	18W / 4000K	220-240~	1200	>0.5	120°	≥80	P71	1	
FLLRZ7V2P	80 253	Wall-mounted Ceiling Light IP44	24W / 4000K	220-240~	1790	>0.5	120°	≥80	P71	1	

Wall-mounted ROUND fixture, for indoor use, with an array of high power LEDs geared by an integrated LED driver. Fixation plate in steel with matt painted finish. IP44 against ingress of dust, solid objects and moisture. Frontal screen in MS (SMMA methyl Methacrylate-Styrene copolymer) with opal finish.

L70 B50
25.000h
(Ta=25°C)

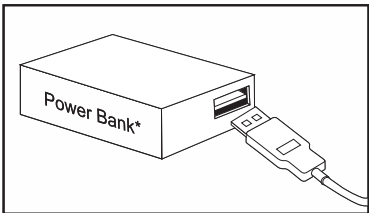
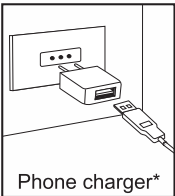
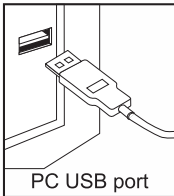
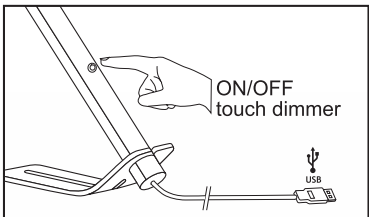
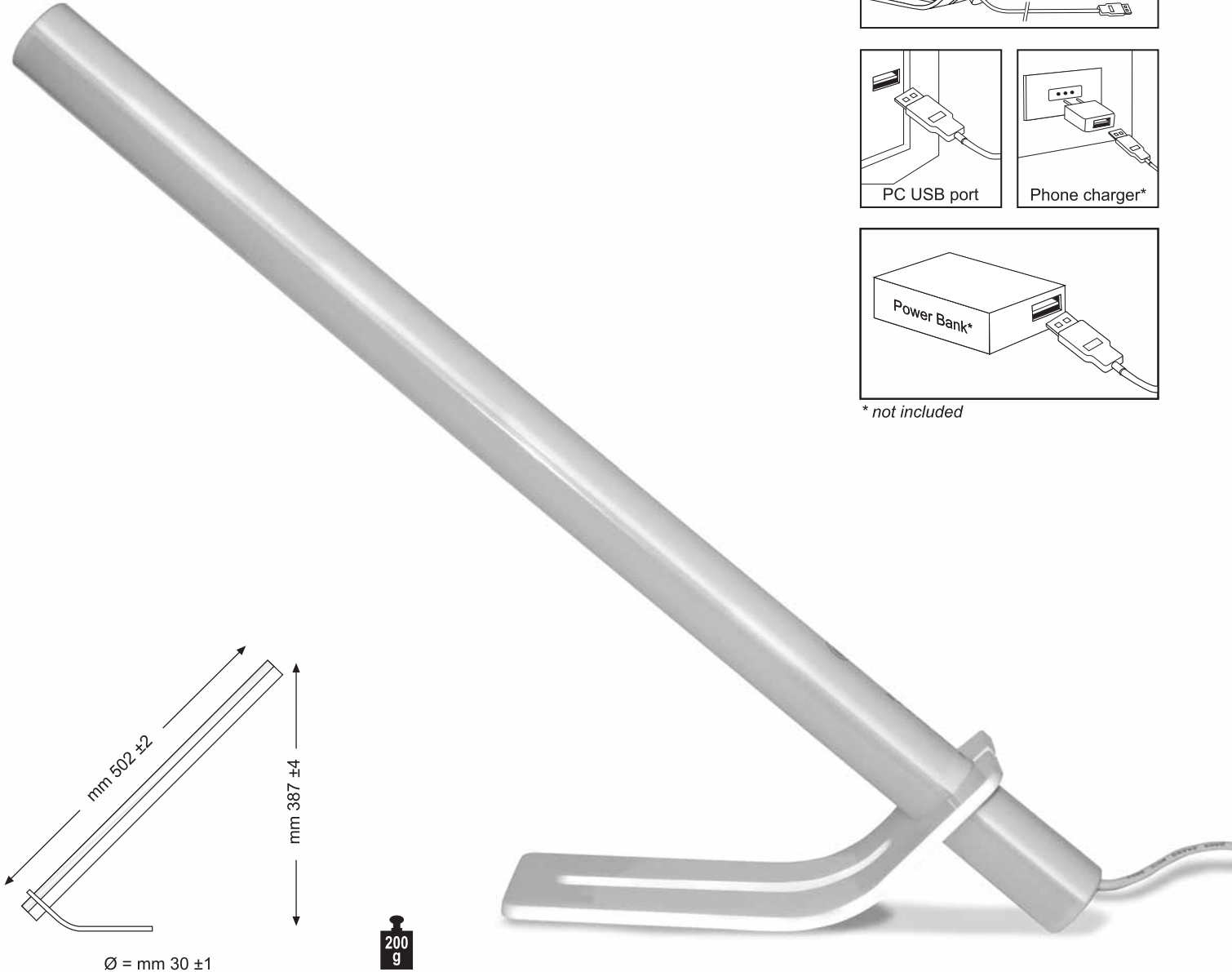


IP44
IK05





SMARTUBE



* not included

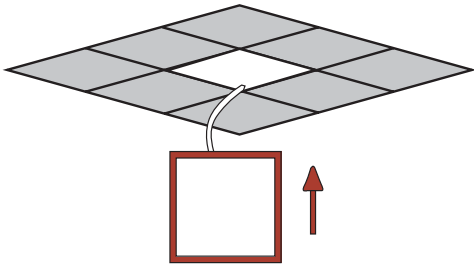
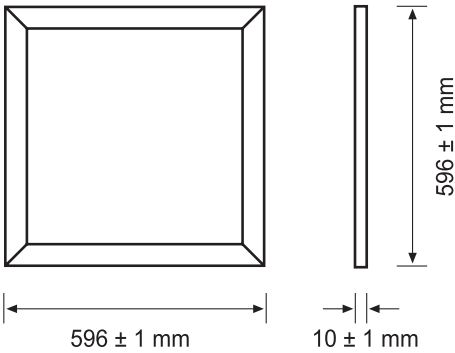
Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	Ra	Pack
SMARTUBE6-R	80 244	Smartube touch-dimmable	6W / 2700K	5VDC USB port	450	≥80	1

Table/Wall/Suspension lighting fixture made by a LED tube with external body in polycarbonate with integrated LED driver for 5VDC by USB port, or cellular phone-charger or power-bank. Touch-dimmable integrated. Base/accessory hook in polycarbonate. Wire 2m long.

20.000h L70
(Ta=25°C)



PANEL Ecobright 60x60 Glare Control



3.2 kg

Driver included

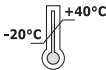
Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Image	Pack
FLLUW7V2E	80 149	Panel Ecobright 60x60 GC	36W / 4000K	220-240~	3400	≥0.9	120°	≥80	P46	1
FLLUW7VDE	80 150	Panel Ecobright 60x60 GC	36W / 5000K	220-240~	3400	≥0.9	120°	≥80	P46	1
FLLUV7V2E	80 152	Panel Ecobright 60x60 GC	42W / 4000K	220-240~	3800	≥0.9	120°	≥80	P47	1

Panel integrating an array of high power LEDs geared by an external constant current LED driver.
Chassis in Aluminium, white painted finish for optimal heat-dissipation. Frontal diffuser 95% light transmittance rate.
Mounting in false-ceiling frame 60x60cm.

Other mounting options available by ordering the following accessories:

- FLLKITSUSP
- FLLKITWALL
- FLLKITPLAF
- FLLKITHOLE
- FLLKITMARK

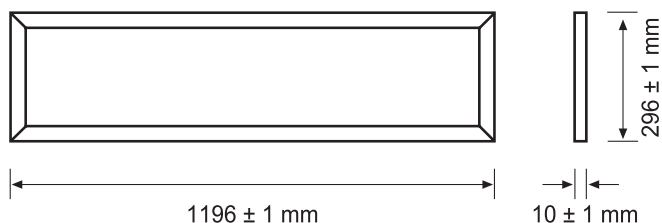
L70 B50
45.000h
(Ta=25°C)



V.I. IP20
V.O. IP43



PANEL Ecobright 30x120 Glare Control



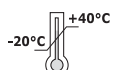
Driver included

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Icon	Pack
FLLUW7V2E-1	80 143	Panel Ecobright 30x120 GC	36W / 4000K	220-240~	3400	≥0.9	120°	≥80	P93	1
FLLUV7V2E-1	80 145	Panel Ecobright 30x120 GC	42W / 4000K	220-240~	3800	≥0.9	120°	≥80	P94	1

Panel integrating an array of high power LEDs geared by an external constant current LED driver.
Chassis in Aluminium, white painted finish for optimal heat-dissipation. Frontal diffuser 95% light transmittance rate.
Mounting in false-ceiling frame 30x120cm.

Other mounting options available by ordering the following accessories:

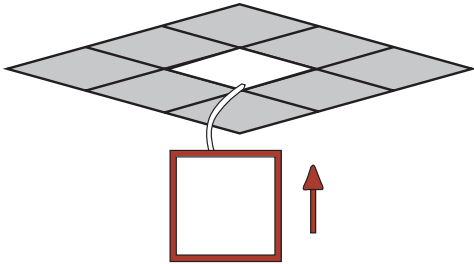
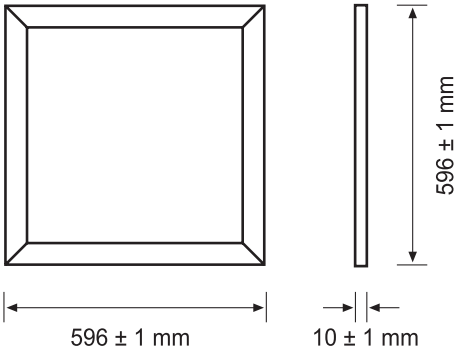
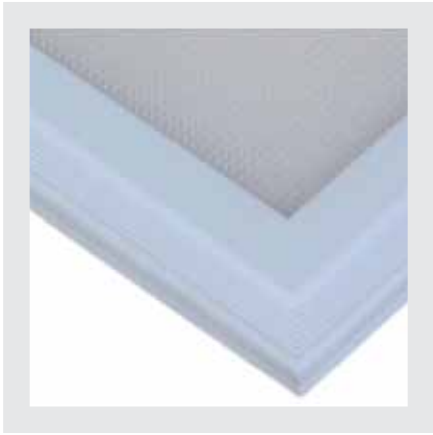
FLLKITSUSP
FLLKITWALL/1
FLLKITPLAF
FLLKITHOLE
FLLKITMARK/1



V.I. IP20
V.O. IP43



PANEL Ecobright 60x60 Antiglare Max Visual Comfort



Driver included

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Image icon	Pack
FLLUW7V2E-U	80 154	Panel Ecobright 60x60 AMVC	36W / 4000K	220-240~	3000	≥0.9	100°	≥80	P88	1

Panel integrating an array of high power LEDs geared by an external constant current LED driver.
Chassis in Aluminium, white painted finish for optimal heat-dissipation. Frontal diffuser 95% light transmittance rate with honey-comb finish for antiglare (UGR controlled, max visual comfort).
Mounting in false-ceiling frame 60x60cm.

Other mounting options available by ordering the following accessories:

- FLLKITSUSP
- FLLKITWALL
- FLLKITPLAF
- FLLKITHOLE
- FLLKITMARK

L70 B50
45.000h
(Ta=25°C)

V.I. IP20
V.O. IP43

Hg
ZERO

UV
IR
ZERO

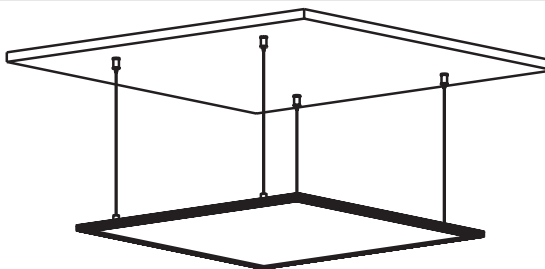
CE

ACCESSORIES for Ecobright Panel

FLLKITSUSP (id. 10 098)

Kit for suspension mounting of:

- Ecobright 60x60
- Ecobright 30x120

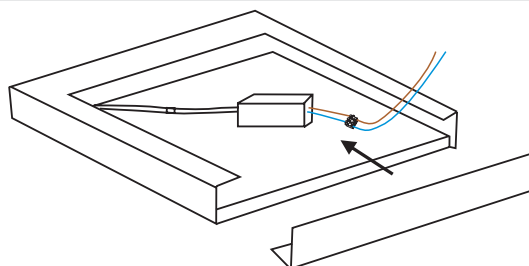


FLLKITWALL (id. 10 097)

Metallic box for wall/ceiling mounting of Ecobright 60x60
-outer dimension after mounting = 600 x 600 x (h)50 ±5 mm

FLLKITWALL/1 (id. 10 095)

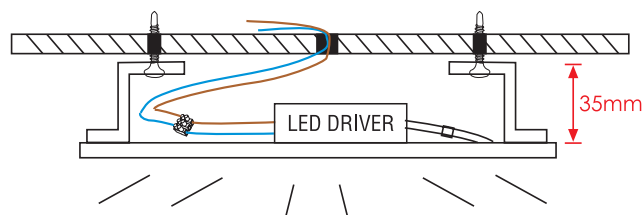
Metallic box for wall/ceiling mounting of Ecobright 30x120
-outer dimension after mounting = 300 x 1200 x (h)50 ±5 mm



FLLKITPLAF (id. 10 099)

Kit of brackets for ceiling mounting of:

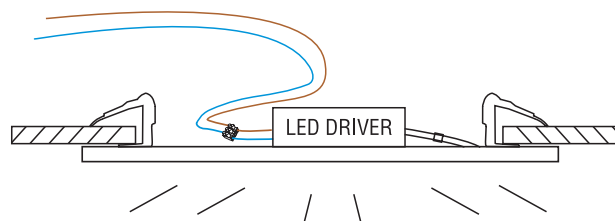
- Ecobright 60x60
- Ecobright 30x120



FLLKITHOLE (id. 10 100)

Kit of springs for mounting:

- Ecobright 60x60 in a 575x575mm square cut-out hole
- Ecobright 30x120 in a 275x1175mm rectangular cut-out hole

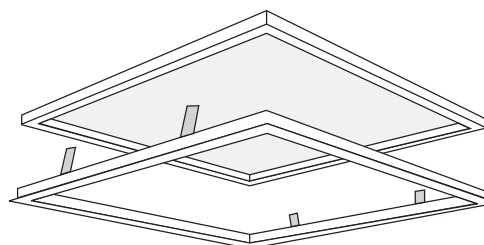


FLLKITMARK (id. 10 103)

Metallic frame for mounting the Ecobright 60x60 flush in a square cut-out hole in the false ceiling

FLLKITMARK/1 (id. 10 102)

Metallic frame for mounting the Ecobright 30x120 flush in a rectangular cut-out hole in the false ceiling





Wireless dimmable LED Drivers for Ecobright Panel

Constant current



IP20



CE





Independent control gear. Installation without any further insulation or case.
Safety control gear with short-circuit protection. Electronic switch-off with automatic restart.
Class II double insulation: earth connection not required.



Wireless 2.4GHz system of constant current LED drivers remotely controlled for dimming, suitable to DLU Ecobright Panels 36W and 42W. Flickering-free. Compatible with LED arrays to be driven at 30 - 42VDC.

Code	For DLU products	Output Current max	Dimension (mm)	Characteristics	
DR0900DIM-WI (id. 20 016)	Ecobright PANEL 36W	900mA	160 x 45 x h29	Input = 100-240V 50/60Hz Output = 30 - 42VDC PF ≥ 0.90 Dimming = 3 ÷ 100% about Ripple < 3% (no flickering video) tc = 80°C ta = -20 ÷ 45°C	PES
DR1050DIM-WI (id. 20 017)	Ecobright PANEL 42W	1050mA	160 x 50 x h35		PES
REMCONTR1-WI (id. 10 094)			145 x 47 x h20	RF 2.4GHz dedicated protocol. Addressing up to 100 groups of fixtures, with no limit of fixtures in any single group. Max distance = 20m	PES

NO SEPARATE DIMMER NEEDED

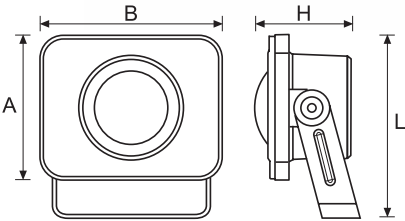
Just replace the standard driver with a wireless dimmable one and manage by the DLU RF Remote Control





Outdoor Lighting

PROJECTOR RECTANGULAR IP65



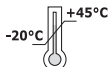
P(W)	A	B	H	L	
10	80	100	53	100	400
20	115	145	70	132	850
30	143	188	87	181	1500
50	180	240	93	210	2400

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack	
FLL2C7V2G	80 076	IP65 Projector rect. - grey	10W / 4000K	220-240~	900	>0.5	110°	≥80	P48	1	
FLL2C7V2W	80 077	IP65 Projector rect. - white	10W / 4000K	220-240~	900	>0.5	110°	≥80	P48	1	
FLL2M7V2G	80 078	IP65 Projector rect. - grey	20W / 4000K	220-240~	2100	>0.5	110°	≥80	P49	1	
FLL2M7V2W	80 079	IP65 Projector rect. - white	20W / 4000K	220-240~	2100	>0.5	110°	≥80	P49	1	
FLL2P7V2G	80 080	IP65 Projector rect. - grey	30W / 4000K	220-240~	3200	>0.9	110°	≥80	P50	1	
FLL2P7V2W	80 081	IP65 Projector rect. - white	30W / 4000K	220-240~	3200	>0.9	110°	≥80	P50	1	
FLL2S7V2W	80 083	IP65 Projector rect. - white	50W / 4000K	220-240~	5400	>0.9	110°	≥80	P49	1	

IP65 Projector for wall-mounting, integrating an array of high power LEDs geared by an internal LED driver.
Body in dye-casted Aluminium with curved frontal transparent screen.
Finish: powder painting grey or opaque white.
The optical vane can be 360° tilted, rotating a lateral knob; block by an allen key.

- Available accessories (to be separately ordered):
- 3-phases adapter for Eurostandard tracks with mechanical block on the bar of the projector
 - Base for wall-mounting

L70 B50
40.000h
(Ta=25°C)



IP65
IK06

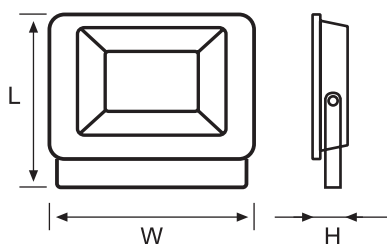


ACCESSORIES for Projector Rectangular IP65

Code	Id code	Description	Finish	Pack
ESADAPTER/G	10 088	Conversion kit to projector for Eurostandard track (3-phases adapter included)	GREY	1
ESADAPTER/W	10 087	Conversion kit to projector for Eurostandard track (3-phases adapter included)	WHITE	1
WALLBASE/G	10 013	Base for wall-mounting of the projector with ESADAPTER/G	GREY	1
WALLBASE/W	10 014	Base for wall-mounting of the projector with ESADAPTER/W	WHITE	1



PROJECTOR IP65 SYMMETRIC LP OEM

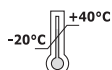


P (W)	L (mm)	W (mm)	H (mm)	
10	81	92	27	160
20	106	124	28	270
30	135	158	29	420
50	175	192	29	660
70	228	246	29	1180
100	228	246	29	1200

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF		Ra		Pack
FLL2C9VAS-M	80 061	IP65 Projector LP OEM	10W / 3000K	220-240~	800	>0.9	110°	≥80	P110	1
FLL2C9V2S-M	80 062	IP65 Projector LP OEM	10W / 4000K	220-240~	800	>0.9	110°	≥80	P110	1
FLL2C9VES-M	80 063	IP65 Projector LP OEM	10W / 6500K	220-240~	800	>0.9	110°	≥80	P110	1
FLL2M9VAS-M	80 064	IP65 Projector LP OEM	20W / 3000K	220-240~	1600	>0.9	110°	≥80	P110	1
FLL2M9V2S-M	80 065	IP65 Projector LP OEM	20W / 4000K	220-240~	1600	>0.9	110°	≥80	P110	1
FLL2M9VES-M	80 066	IP65 Projector LP OEM	20W / 6500K	220-240~	1600	>0.9	110°	≥80	P110	1
FLL2P9VAS-M	80 067	IP65 Projector LP OEM	30W / 3000K	220-240~	2400	>0.9	110°	≥80	P110	1
FLL2P9V2S-M	80 068	IP65 Projector LP OEM	30W / 4000K	220-240~	2400	>0.9	110°	≥80	P110	1
FLL2P9VES-M	80 069	IP65 Projector LP OEM	30W / 6500K	220-240~	2400	>0.9	110°	≥80	P110	1
FLL2S9VAS-M	80 070	IP65 Projector LP OEM	50W / 3000K	220-240~	4000	>0.9	110°	≥80	P110	1
FLL2S9V2S-M	80 071	IP65 Projector LP OEM	50W / 4000K	220-240~	4000	>0.9	110°	≥80	P110	1
FLL2S9VES-M	80 072	IP65 Projector LP OEM	50W / 6500K	220-240~	4000	>0.9	110°	≥80	P110	1
FLL2L9VAS-M	80 073	IP65 Projector LP OEM	70W / 3000K	220-240~	5600	>0.9	110°	≥80	P110	1
FLL2L9V2S-M	80 074	IP65 Projector LP OEM	70W / 4000K	220-240~	5600	>0.9	110°	≥80	P110	1
FLL2L9VES-M	80 075	IP65 Projector LP OEM	70W / 6500K	220-240~	5600	>0.9	110°	≥80	P110	1
FLL2O9V2S-M	80 306	IP65 Projector LP OEM	100W / 4000K	220-240~	8300	>0.9	110°	≥80	P110	1 
FLL2O9VES-M	80 305	IP65 Projector LP OEM	100W / 6500K	220-240~	8300	>0.9	110°	≥80	P110	1 

IP65 Projector for wall-mounting, integrating an array of high power LEDs geared by an internal LED driver. Body in dye-casted Aluminium with frontal screen in tempered glass. Finish: black powder painting. Bracket in steel with 0-180° tilting possible by acting on the side knobs by an allen key; graduated scale on the knobs to fine tune the orientation. Entrance wire LNG 20cm long (15cm for 10W model).

L70 B50
50.000h
(Ta=25°C)



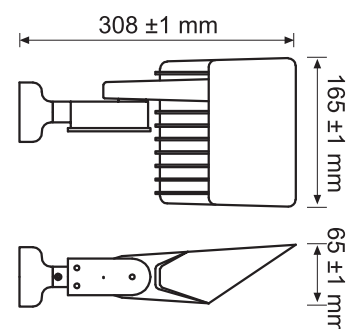
IP65
IK04



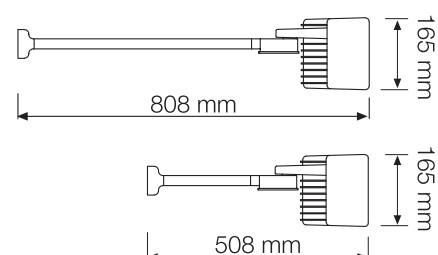
PROJECTOR IP65 TILTING WITH ARM



ideal for signboards

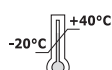


Code	kg
FLL2P7T2G/T	2.38
ARM20/T	0.06
ARM50/T	0.15



Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	⚡	Ra		Pack
FLL2P7V2G/T	80 057	IP65 Projector Tilting with arm	30W / 4000K	220-240~	2300	>0.9	100°	≥80	P75	1

IP65 Projector for wall-mounting, integrating an array of high power LEDs geared by an internal LED driver. Body in dye-casted Aluminium with frontal screen in glass. Finish: grey powder painting. The optical vane can be 105° tilted, rotating a lateral knob. Metallic arms available as separate accessories, ideal for insignia lighting.

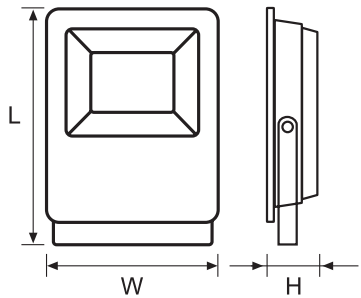


ACCESSORIES for Projector IP65 tilting with arm

Code	Id code	Description	Shipment unit (pcs)
ARM20/T	10 003	Metallic arm 20cm long with screw-threads, grey finish	1
ARM50/T	10 004	Metallic arm 50cm long with screw-threads, grey finish	1
KITBRACKT/T	10 121	Metallic L-bracket with screw-thread plus IP65 gland for the mains wires	1



PROJECTOR SYMMETRIC IP65

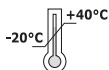


P (W)	L (mm)	W (mm)	H (mm)	kg
150	425	310	70	4.3
200	425	310	82	5.1

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam	Ra	Icon	Pack
FLL2A9VDS	80 058	IP65 Projector Symmetric	150W / 5000K	220-240~	18000	>0.9	100°	≥80	P109	1
FLL2Y9VDS	80 059	IP65 Projector Symmetric	200W / 5000K	220-240~	24000	>0.9	100°	≥80	P109	1

IP65 Projector for wall-mounting, integrating an array of high power LEDs geared by an internal LED driver.
Body in dye-casted Aluminium with frontal screen in tempered glass. Finish: black powder painting.
Bracket in steel with 0-180° tilting.
Entrance LNG wire 40cm long.

L70 B50
54.000h
(Ta=25°C)

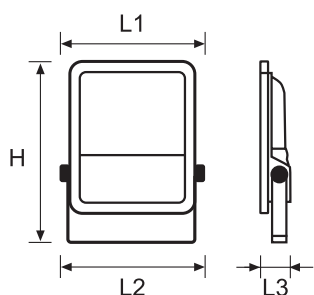


IP65
IK06





PROJECTOR ASYMMETRIC IP65



P (W)	L1 (mm)	L2 (mm)	L3 (mm)	H (mm)	kg
165	352	399	39	497	7

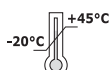
Code	Id code	Description	P / T _c	Voltage	Φ_{TOT} (lm)	PF		Ra		Pack
FLL2Q0V2E/A	80 157	IP65 Projector Asymmetric	165W / 4000K	220-240~	21600	>0.9	C0 = 120° C90 = 60°	≥80	P77	1

on request

IP65 Projector for wall-mounting, integrating an array of high power LEDs geared by an internal LED driver.
Body in dye-casted Aluminium with frontal screen in tempered glass. Finish: grey powder painting.
Bracket in anodized steel with 0-300° tilting.

Asymmetric photometric curve, ideal for sport grounds lighting.

L70 B50
50.000h
(Ta=25°C)

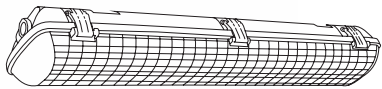


IP65
IK06





FIXTURE IP65 INTEGRATED LEDs



P _{nom} (W)	Equivalent fluo T8 fixture	Dimension L x W x H (mm)	kg
23	2 x 18W	655 x 130 x 92	1.3
23	1 x 36W	1265 x 89 x 92	1.5
48	2 x 36W	1265 x 130 x 92	2.1
30	1 x 58W	1565 x 89 x 92	1.9
58	2 x 58W	1565 x 130 x 92	2.7

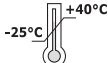
Code	Id code	Description	Equivalent Fluo T8	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam angle	Ra	Beam spread	Pack
FLL5K7V2A	80 030	Fixture IP65 int. LEDs	(2 x 18W)	23W / 4000K	220-240~	2100	≥0.9	100°	≥80	P51	1 PES
FLL5K7VEA	80 031	Fixture IP65 int. LEDs	(2 x 18W)	23W / 6500K	220-240~	2200	≥0.9	100°	≥80	P51	1 PES
FLL5K7V2B	80 032	Fixture IP65 int. LEDs	(1 x 36W)	23W / 4000K	220-240~	2100	≥0.9	100°	≥80	P51	1 PES
FLL5R7V2C	80 036	Fixture IP65 int. LEDs	(2 x 36W)	48W / 4000K	220-240~	4300	≥0.9	100°	≥80	P52	1 PES
FLL5R7VEC	80 037	Fixture IP65 int. LEDs	(2 x 36W)	48W / 6500K	220-240~	4500	≥0.9	100°	≥80	P52	1 PES
FLL5P7V2D	80 034	Fixture IP65 int. LEDs	(1 x 58W)	30W / 4000K	220-240~	2700	≥0.9	100°	≥80	P53	1 PES
FLL5P7VED	80 035	Fixture IP65 int. LEDs	(1 x 58W)	30W / 6500K	220-240~	2850	≥0.9	100°	≥80	P53	1 PES
FLL5T7VEE	80 039	Fixture IP65 int. LEDs	(2 x 58W)	58W / 6500K	220-240~	5300	≥0.9	100°	≥80	P53	1 PES

IP65 wall-mounting fixture, integrating an array of high power LEDs geared by a constant current LED driver, TÜV Süd quality mark. Frontal screen in polycarbonate with frosted finish and rifling. Body of the fixture and clips for closing the frontal screen made in ABS. U-Bars for wall fixation in stainless steel.

Accessory (to be separately ordered):
clips for closing the frontal screen made in stainless steel, code FLLCLIPME.

Permanent emergency mode possible using compatible control gears.

L70 B50
30.000h
(Ta=25°C)



IP65
IK08





Hg
ZERO

UV
IR
ZERO

CE





DLU LED catalogue

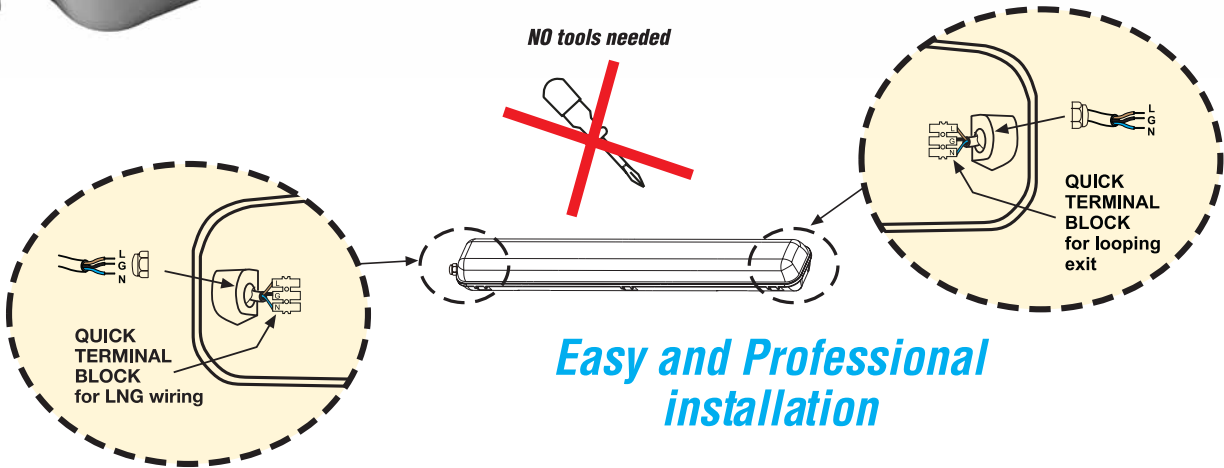
97

FIXTURE IP65 INTEGRATED LEDs EVO



Suitable to Looping installation

P _{nom} (W)	Dimension L x W x H (mm)	kg	Max Looping (pcs)
20	660 x 95 x 77	0.69	50
40	1262 x 95 x 77	1.26	25
60	1562 x 95 x 77	1.57	15



Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	⚡	Ra		Pack
FLL5K7V2A-E	80 040	Fixture IP65 int. LEDs EVO	20W / 4000K	220-240~	2100	>0.5	120°	≥80	P89	1
FLL5K7VEA-E	80 041	Fixture IP65 int. LEDs EVO	20W / 6500K	220-240~	2100	>0.5	120°	≥80	P89	1
FLL5R7V2C-E	80 042	Fixture IP65 int. LEDs EVO	40W / 4000K	220-240~	4000	>0.9	120°	≥80	P89	1
FLL5R7VEC-E	80 043	Fixture IP65 int. LEDs EVO	40W / 6500K	220-240~	4000	>0.9	120°	≥80	P89	1
FLL5T7V2E-E	80 044	Fixture IP65 int. LEDs EVO	60W / 4000K	220-240~	5850	>0.9	120°	≥80	P89	1
FLL5T7VEE-E	80 045	Fixture IP65 int. LEDs EVO	60W / 6500K	220-240~	5850	>0.9	120°	≥80	P89	1

IP65 wall-mounting fixture, integrating an array of high power LEDs geared by a constant current LED driver.

Internal QUICK SCREWLESS TERMINAL BLOCK at the LNG entrance.
Pre-cut hole at the other end with internal QUICK SCREWLESS TERMINAL BLOCK already wired with LNG, ready for an eventual looping to a subsequent fixture.

Frontal screen in polycarbonate with frosted finish and rifling. Body of the fixture in ABS and clips for closing the frontal screen in polycarbonate.
U-Bars for wall fixation in stainless steel.

Accessory (to be separately ordered): clips for closing the frontal screen made in stainless steel, code FLLCLIPME.

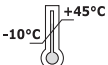
Permanent emergency mode possible using compatible control gears.

L70 B50

50.000h

(Ta=25°C)





IP65

IK08



Hg

ZERO

UV

IR

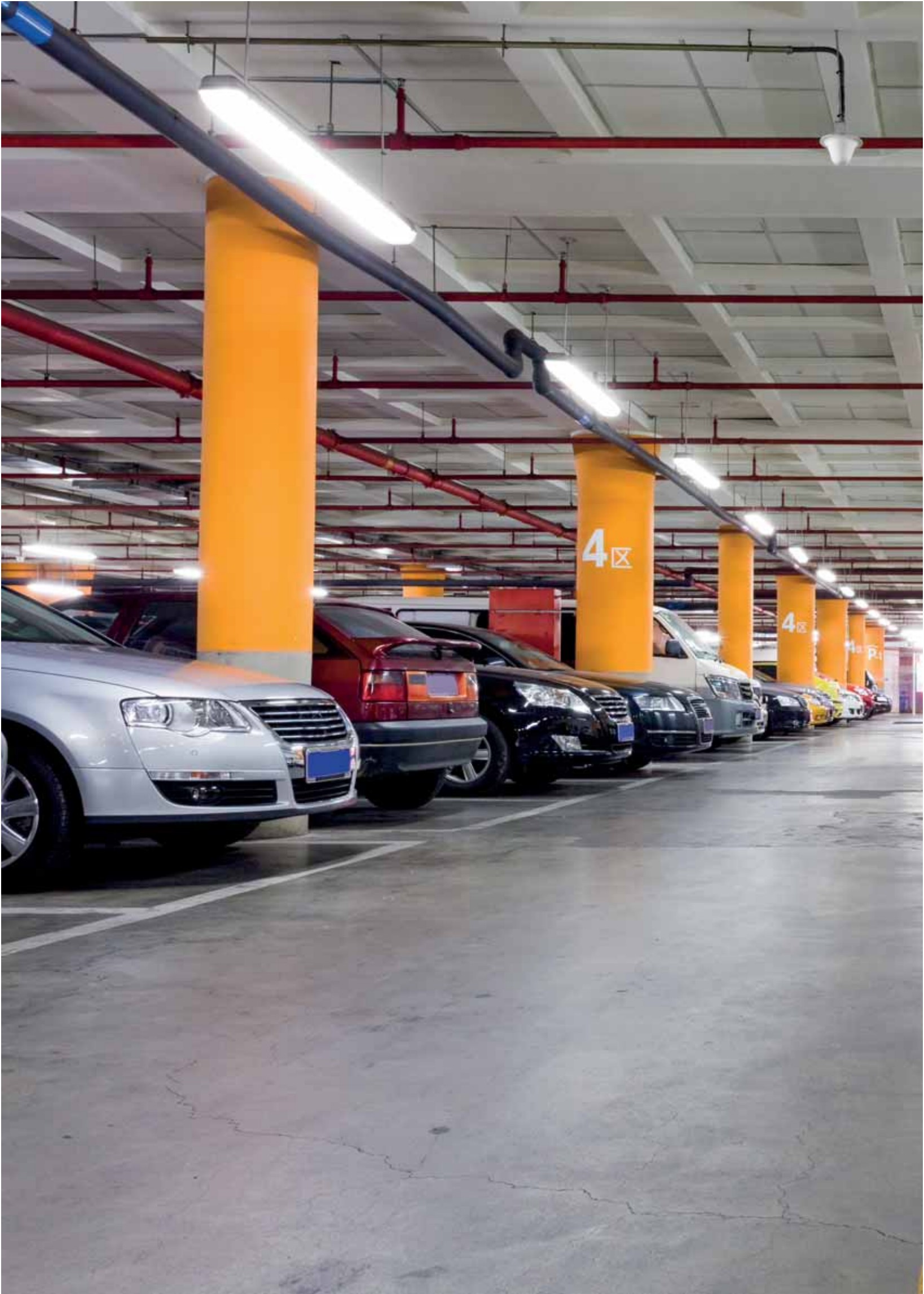
ZERO

CE



RoHS

Compliant



FIXTURE IP65 for LED TUBES T8 retrofit



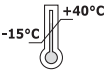
Code	Id code	Description	Voltage	Cap	Dimension L x W x H (mm)	For DLU LED T8 tube	Size equivalent fluo T8 fixture	 kg	Pack
FLL5V7VWF	80 022	Fixture IP65 LED tubes T8 retr.	220-240~	G13	660 x 74 x 78	9W (1x)	1 x 18W	0.80	1
FLL5V7VVA	80 023	Fixture IP65 LED tubes T8 retr.	220-240~	G13	660 x 104 x 78	9W (2x)	2 x 18W	0.90	1
FLL5V7VVB	80 024	Fixture IP65 LED tubes T8 retr.	220-240~	G13	1260 x 74 x 78	18W (1x)	1 x 36W	1.20	1
FLL5V7VVC	80 025	Fixture IP65 LED tubes T8 retr.	220-240~	G13	1260 x 104 x 78	18W (2x)	2 x 36W	1.50	1
FLL5V7VVD	80 026	Fixture IP65 LED tubes T8 retr.	220-240~	G13	1560 x 74 x 78	24W (1x)	1 x 58W	1.50	1
FLL5V7VVE	80 027	Fixture IP65 LED tubes T8 retr.	220-240~	G13	1560 x 104 x 78	24W (2x)	2 x 58W	1.80	1

IP65 wall-mounting fixture, with internal wiring for the direct and **exclusive** installation of T8 LED tubes for retrofit (on magnetic ballast, single circuit) matching the EN62776 standards. Frontal screen in transparent polycarbonate. U-bars for wall fixation in stainless steel.

QUICK SCREWLESS TERMINAL BLOCK for fast wiring of the LNG entrance.

LED T8 tubes for retrofit NOT INCLUDED. **NOT FOR USE WITH FLUORESCENT TUBES.**

Accessory (to be separately ordered): clips for closing the frontal screen made in stainless steel, code FLLCLIPME-Y.

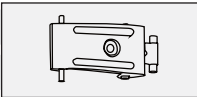


IP65
IK08



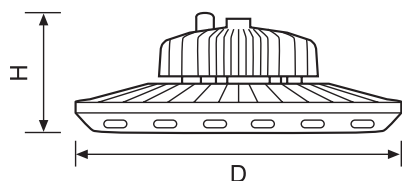
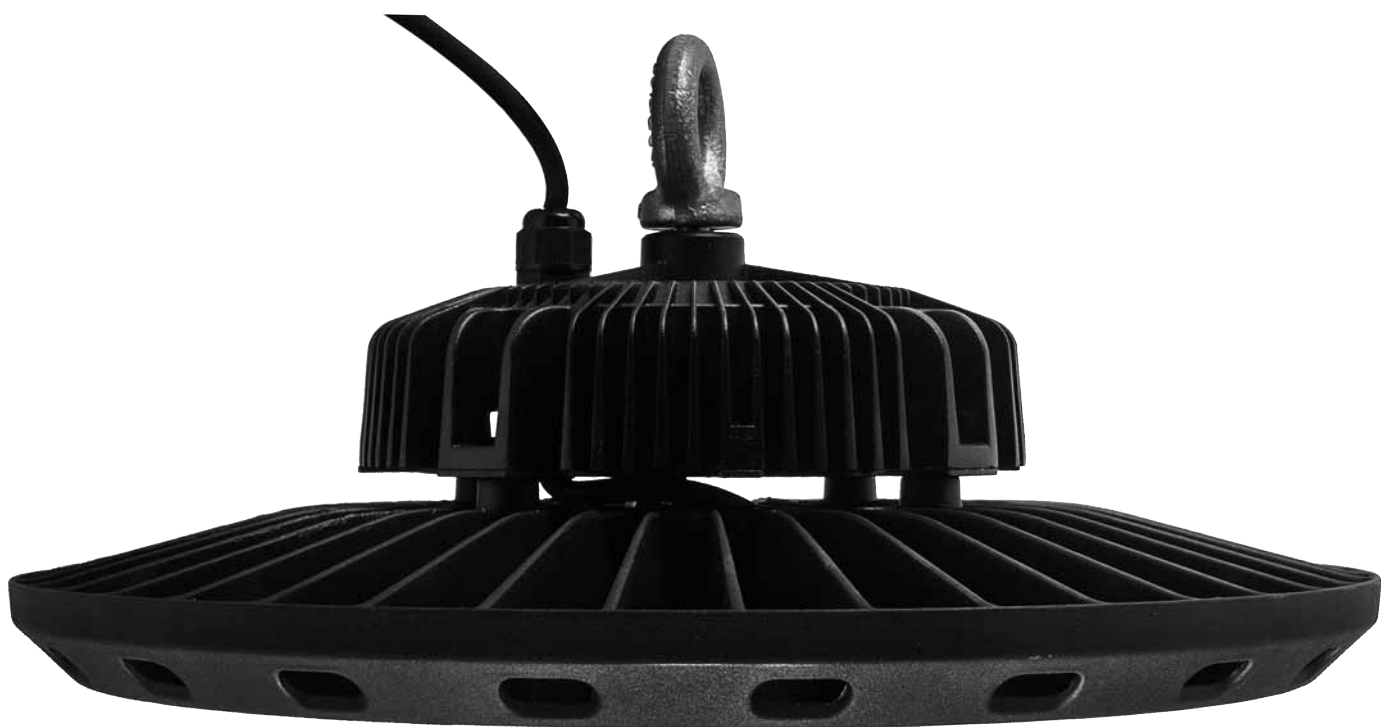
ACCESSORIES for Fixtures IP65

Code	Id Code	Description	Shipment unit (pcs)
FLLCLIPME	10 029	Clips in stainless steel for Fixtures IP65 int. LEDs	12
FLLCLIPME-Y	10 030	Clips in stainless steel Fixtures IP65 for LED TUBES T8 retrofit	12





HIGHBAY IP66 EVO



P (W)	H (mm)	D (mm)	kg
100	154	290	2.6
150	160	340	3.7
200	167	386	5.6

Code	Id code	Description	P / T _c	Voltage	Φ _{TOT} (lm)	PF	Beam	Ra		Pack
FLL6O7VDG-E	80 019	Highbay IP66 EVO	100W / 5000K	220-240~	14500	≥0.95	120°	≥80	P91	1
FLL6A7VDG-E	80 020	Highbay IP66 EVO	150W / 5000K	220-240~	21750	≥0.95	120°	≥80	P91	1
FLL6Y7VDG-E	80 021	Highbay IP66 EVO	200W / 5000K	220-240~	29000	≥0.95	120°	≥80	P91	1

Suspension floodlight, integrating an array of high power LEDs. Fixture body in die-cast Aluminium with heatsink. Opaque black powder-painted finish. Transparent frontal screen in polycarbonate.

Available accessories (to be separately ordered):
- Concentrator lens in polycarbonate for antiglare
- Bracket for wall-mounting 180° tilting

L70 B50

47.000h



(Ta=25°C)





-20°C

+50°C



IP66

IK08



RISK GROUP 1

Hg

ZERO

UV

IR

ZERO

CE



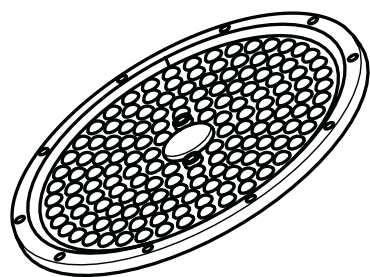


RoHS Compliant

102

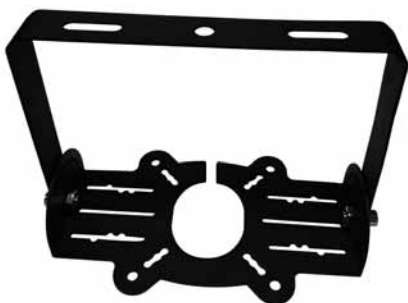
DLU Light Sources

ACCESSORIES for HIGHBAY IP66 EVO



Code	Id code	Description	Dimension (mm)	for	Performance with accessory			Pack
						Luminous Flux (lm)		
LEN290D60	10 077	Antiglare Concentrator Lens	Ø 228 x 8	Highbay EVO 100W	60°	13900	P92	1
LEN340D60	10 078	Antiglare Concentrator Lens	Ø 268 x 8	Highbay EVO 150W	60°	21200	P92	1
LEN390D60	10 079	Antiglare Concentrator Lens	Ø 302 x 8	Highbay EVO 200W	60°	27800	P92	1

Frontal lens in frosted polycarbonate, for antiglare and reduction of beam opening.
Directly mountable on the Highbay EVO, substituting the frontal transparent screen.



Code	Id code	Description	Dimension (mm)	Pack
BRACKT210	10 028	Bracket for wall-mounting	265 x (h) 210mm	1

In metal, matt black painting. Possible tilting 180°.
Directly mountable on the rear of the optical head.



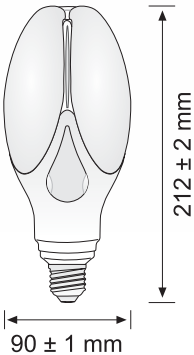


Lamps

ELLIPSOID EVO

New Technology
with Samsung chip-LED

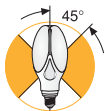
Lower Consumption
Higher Flux



E27 ⇄ E40
Adaptor Accessory
INCLUDED

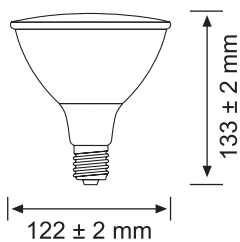
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{use} (lm)	Energy Class	PF	DF	Ra	Pack
FLLPP9JAP-E	84 247	Ellipsoid EVO	27W / 3000K	E27	220-240~	3000	E	>0.9	>PF	≥80	6 NEW
FLLPP9J2P-E	84 248	Ellipsoid EVO	27W / 4000K	E27	220-240~	3060	E	>0.9	>PF	≥80	6 NEW
FLLPP9JDP-E	84 249	Ellipsoid EVO	27W / 5000K	E27	220-240~	3100	E	>0.9	>PF	≥80	6 NEW
FLLP09JAP-E	84 250	Ellipsoid EVO	36W / 3000K	E27	220-240~	3900	F	>0.9	>PF	≥80	6 NEW
FLLP09J2P-E	84 251	Ellipsoid EVO	36W / 4000K	E27	220-240~	4050	E	>0.9	>PF	≥80	6 NEW
FLLP09JDP-E	84 252	Ellipsoid EVO	36W / 5000K	E27	220-240~	4250	E	>0.9	>PF	≥80	6 NEW

Not Directional Light Source, emission in the whole solid space





PAR38



Accessory covers in polycarbonate <i>(to be separately ordered)</i>			
Code	Id code	Colour	
FLSCOVER2	10 041		
FLSCOVER3	10 042		
FLSCOVER4	10 043		
FLSCOVER5	10 044		

Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} (lm)	Φ _{use} (lm)	Energy Class	PF	DF		Ra		Pack
FLLK874A8	84 137	PAR38 Ecobright	15W / 3000K	E27	220-240~	1350	1100	F	>0.5	>0.7	50°	≥80	P24	10

Directional Light Source, useful flux in the 90° vertex cone



L70, B50
25.000h











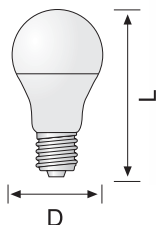








New 20W model
IC Technology up to 2100 lumens
High Reliability



P _{on} (W)	L (mm)	D (mm)
9	109 ± 4	60 ± 1
11	115 ± 4	60 ± 1
15	123 ± 4	60 ± 1
20	134 ± 2	65 ± 1

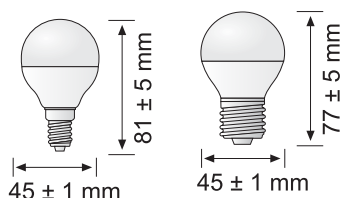
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{use} (lm)	Energy Class	PF	DF	Ra	Pack
FLLS1040S	84 062	GLS HP DecorLED	9W / 2700K	E27	220-240~	810	F	>0.5	>PF	≥80	10
FLLS1042S	84 063	GLS HP DecorLED	9W / 4000K	E27	220-240~	810	F	>0.5	>PF	≥80	10
FLLS104ES	84 064	GLS HP DecorLED	9W / 6500K	E27	220-240~	830	F	>0.5	>PF	≥80	10
FLLSD040S	84 055	GLS HP DecorLED	11W / 2700K	E27	220-240~	1050	F	>0.5	>0.7	≥80	10
FLLSD042S	84 056	GLS HP DecorLED	11W / 4000K	E27	220-240~	1050	F	>0.5	>0.7	≥80	10
FLLSD04ES	84 057	GLS HP DecorLED	11W / 6500K	E27	220-240~	1070	F	>0.5	>0.7	≥80	10
FLLS8040S	84 058	GLS HP DecorLED	15W / 2700K	E27	220-240~	1470	F	>0.5	>0.7	≥80	10
FLLS8042S	84 059	GLS HP DecorLED	15W / 4000K	E27	220-240~	1470	F	>0.5	>0.7	≥80	10
FLLS804ES	84 060	GLS HP DecorLED	15W / 6500K	E27	220-240~	1500	F	>0.5	>0.7	≥80	10
FLLSM040S	84 218	GLS HP DecorLED	20W / 2700K	E27	220-240~	2020	F	>0.5	>0.7	≥80	10 NEW
FLLSM042S	84 219	GLS HP DecorLED	20W / 4000K	E27	220-240~	2020	F	>0.5	>0.7	≥80	10 NEW
FLLSM04ES	84 220	GLS HP DecorLED	20W / 6500K	E27	220-240~	2100	F	>0.5	>0.7	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space



ROUND HP

*New 8W model
Same Dimension
Higher Luminous Flux*



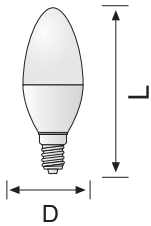
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm)	Energy Class	PF	DF	Ra	Pack
FLLB4020S	84 161	Round HP DecorLED E14	6W / 2700K	E14	220-240~	500	G	>0.5	>PF	≥80	10
FLLB4022S	84 162	Round HP DecorLED E14	6W / 4000K	E14	220-240~	500	G	>0.5	>PF	≥80	10
FLLB402ES	84 163	Round HP DecorLED E14	6W / 6500K	E14	220-240~	530	F	>0.5	>PF	≥80	10
FLLB6020S	84 232	Round HP DecorLED E14	8W / 2700K	E14	220-240~	700	F	>0.5	>PF	≥80	10 NEW
FLLB6022S	84 233	Round HP DecorLED E14	8W / 4000K	E14	220-240~	750	F	>0.5	>PF	≥80	10 NEW
FLLB602ES	84 234	Round HP DecorLED E14	8W / 6500K	E14	220-240~	800	F	>0.5	>PF	≥80	10 NEW
FLLB4040S	84 164	Round HP DecorLED E27	6W / 2700K	E27	220-240~	500	G	>0.5	>PF	≥80	10
FLLB4042S	84 165	Round HP DecorLED E27	6W / 4000K	E27	220-240~	500	G	>0.5	>PF	≥80	10
FLLB404ES	84 166	Round HP DecorLED E27	6W / 6500K	E27	220-240~	530	F	>0.5	>PF	≥80	10
FLLB6040S	84 235	Round HP DecorLED E27	8W / 2700K	E27	220-240~	700	F	>0.5	>PF	≥80	10 NEW
FLLB6042S	84 236	Round HP DecorLED E27	8W / 4000K	E27	220-240~	750	F	>0.5	>PF	≥80	10 NEW
FLLB604ES	84 237	Round HP DecorLED E27	8W / 6500K	E27	220-240~	800	F	>0.5	>PF	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space



CANDLE HP

New 8W model
same dimension
higher luminous flux



P _{on} (W)	L (mm)	D (mm)
6	100 ± 2	37 ± 1
8	105 ± 2	37 ± 1

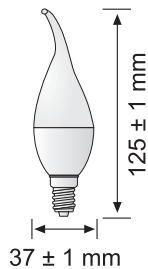
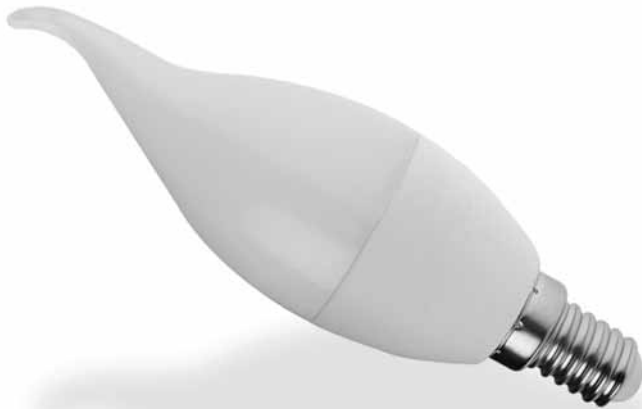


Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{use} (lm)	Energy Class	PF	DF	Ra	Pack
FLLA4020S	84 014	Candle HP DecorLED	6W / 2700K	E14	220-240~	500	G	>0.5	>PF	≥80	10
FLLA4022S	84 015	Candle HP DecorLED	6W / 4000K	E14	220-240~	500	G	>0.5	>PF	≥80	10
FLLA402ES	84 016	Candle HP DecorLED	6W / 6500K	E14	220-240~	530	F	>0.5	>PF	≥80	10
FLLA6020S	84 238	Candle HP DecorLED	8W / 2700K	E14	220-240~	700	F	>0.5	>PF	≥80	10 NEW
FLLA6022S	84 239	Candle HP DecorLED	8W / 4000K	E14	220-240~	750	F	>0.5	>PF	≥80	10 NEW
FLLA602ES	84 240	Candle HP DecorLED	8W / 6500K	E14	220-240~	780	F	>0.5	>PF	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space



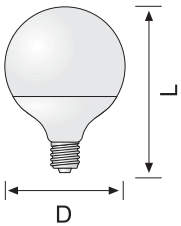
FLAME HP



Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{use} (lm)	Energy Class	PF	DF	Ra	Pack
FLLE4020S	84 025	Flame HP DecorLED	6W / 2700K	E14	220-240~	500	G	>0.5	>PF	≥80	10
FLLE402ES	84 027	Flame HP DecorLED	6W / 6500K	E14	220-240~	530	F	>0.5	>PF	≥80	10

Not Directional Light Source, emission in the whole solid space





P _{on} (W)	L (mm)	D (mm)
17	160 ± 3	120 ± 1
20	160 ± 3	120 ± 1



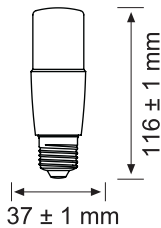
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{USE} (lm)	Energy Class Reg. n. 874/2012 2019/2015	PF	DF	Ra	Pack	
FLL9E040S	84 039	Globe HP DecorLED	17W / 2700K	E27	220-240~	1600	A+ -	>0.5	>0.7	≥80	10	PES
FLL9E04ES	84 041	Globe HP DecorLED	17W / 6500K	E27	220-240~	1670	A+ -	>0.5	>0.7	≥80	10	PES
FLL9M040S	84 241	Globe HP DecorLED	20W / 2700K	E27	220-240~	2020	- F	>0.5	>0.7	≥80	10	NEW
FLL9M042S	84 242	Globe HP DecorLED	20W / 4000K	E27	220-240~	2020	- F	>0.5	>0.7	≥80	10	NEW
FLL9M04ES	84 243	Globe HP DecorLED	20W / 6500K	E27	220-240~	2050	- F	>0.5	>0.7	≥80	10	NEW

Not Directional Light Source, emission in the whole solid space

L70, B50
30.000h



TUBULAR T37



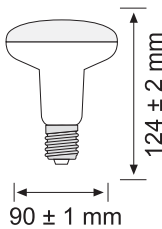
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm)	Energy Class	PF	DF	Ra	Pack
FLLY5040P	84 213	Tubular T37 DecorLED	7W / 2700K	E27	220-240~	620	F	>0.5	>PF	≥80	10
FLLY504EP	84 215	Tubular T37 DecorLED	7W / 6500K	E27	220-240~	730	F	>0.5	>PF	≥80	10

Not Directional Light Source, emission in the whole solid space

15.000h

REFLECTOR R90

standard
for Spanish market



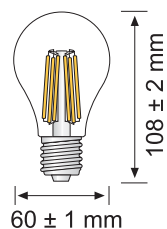
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm)	Energy Class Reg. n.874/2012	PF	Ra	Pack
FLLM9042P	84 145	Reflector R90 DecorLED	12W / 4000K	E27	220-240~	1040	A+	>0.5	≥80	10

Not Directional Light Source, emission in the whole solid space

25.000h



GLS filobulb

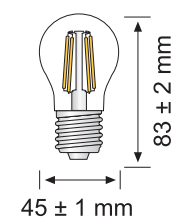
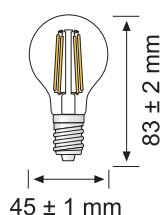


Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{use} (lm)	Energy Class Reg. n. 874/2012 2019/2015	PF	DF	Ra	Pack
FLLS3040L	84 045	GLS DecorLED filobulb	5W / 2700K	E27	220-240~	550	A++ -	>0.4	>PF	≥80	10 PES
FLLS5040L	84 046	GLS DecorLED filobulb	7W / 2700K	E27	220-240~	800	A++ E	>0.5	>PF	≥80	10
FLLSC040L	84 244	GLS DecorLED filobulb	10W / 2700K	E27	220-240~	1100	- E	>0.5	>PF	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space



ROUND filobulb

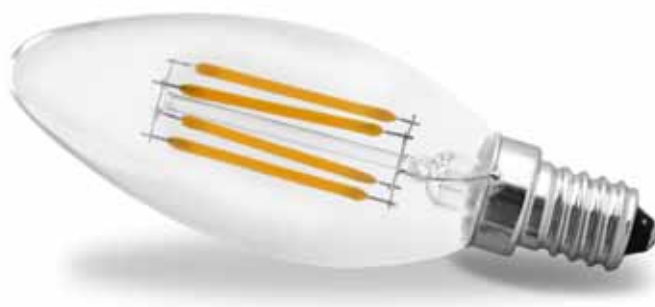
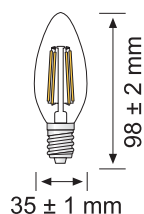


Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} = Φ _{use} (lm)	Energy Class Reg. n. 874/2012 2019/2015	PF	DF	Ra	Pack
FLLB2020L	84 151	Round DecorLED filobulb E14	4W / 2700K	E14	220-240~	390	A++ -	>0.4	>PF	≥80	10 PES
FLLB3020L	84 152	Round DecorLED filobulb E14	5W / 2700K	E14	220-240~	500	- F	>0.4	>PF	≥80	10 NEW
FLLB2040L	84 154	Round DecorLED filobulb E27	4W / 2700K	E27	220-240~	400	A++ -	>0.4	>PF	≥80	10 PES
FLLB3040L	84 245	Round DecorLED filobulb E27	5W / 2700K	E27	220-240~	500	- F	>0.4	>PF	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space



CANDLE filobulb



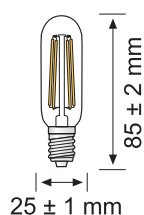
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm)	Energy Class Reg. n. 874/2012 2019/2015	PF	DF	Ra	Pack
FLLA2020L	84 008	Candle DecorLED filobulb	4W / 2700K	E14	220-240~	400	A++ -	>0.4	>PF	≥80	10 PES
FLLA3020L	84 009	Candle DecorLED filobulb	5W / 2700K	E14	220-240~	500	- F	>0.4	>PF	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space



TUBULAR filobulb

*Optimal for use
in kitchen hoods
and refrigerators*



Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm)	Energy Class	PF	DF	Ra	Pack
FLLT25W4E	84 212	Tubular T25 filobulb	4W / 3000K	E14	220-240~	400	F	>0.4	>0.5	≥80	10 NEW

Not Directional Light Source, emission in the whole solid space







TUBES T8 for retrofit



Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{USE}$ (lm)	Energy Class	PF	DF	Ra		Pack
FLLT77X2P	84 168	Tube T8 590mm	9W / 4000K	G13	220-240~	1030	E	>0.9	>PF	≥80	P32	10
FLLT77XEP	84 169	Tube T8 590mm	9W / 6500K	G13	220-240~	1100	E	>0.9	>PF	≥80	P32	10
FLLTJ7X2P	84 176	Tube T8 1200mm	18W / 4000K	G13	220-240~	1940	F	>0.9	>PF	≥80	P32	10
FLLTJ7XEP	84 177	Tube T8 1200mm	18W / 6500K	G13	220-240~	1970	F	>0.9	>PF	≥80	P32	10
FLLTZ7X2P	84 184	Tube T8 1500mm	24W / 4000K	G13	220-240~	2670	E	>0.9	>PF	≥80	P32	10
FLLTZ7XEP	84 185	Tube T8 1500mm	24W / 6500K	G13	220-240~	2800	E	>0.9	>PF	≥80	P32	10

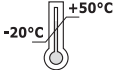
FULL GLASS Not Directional Light Source, emission in the whole solid space.
For direct substitution (retrofit) of T8 fluorescent tubes in fixtures with standard G13 lampholders and magnetic ballasts in single circuit.
For retrofit, any LED tube must be used together with a dedicated DUMMY STARTER, replacing the glow-starter (included in the single box and also available in multi-pcs pack).

L70, B50
35.000h























TUBES T8 for retrofit OEM1



Code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{USE}$ (lm)	Energy Class	PF	DF	Ra		Pack
84 259	Tube T8 590mm	8W / 4000K	G13	220-240~	850	F	>0.9	>PF	≥80	P32	25 
84 260	Tube T8 590mm	8W / 6500K	G13	220-240~	850	F	>0.9	>PF	≥80	P32	25 
84 262	Tube T8 1200mm	16W / 4000K	G13	220-240~	1650	F	>0.9	>PF	≥80	P32	25 
84 263	Tube T8 1200mm	16W / 6500K	G13	220-240~	1750	F	>0.9	>PF	≥80	P32	25 
84 265	Tube T8 1500mm	22W / 4000K	G13	220-240~	2370	F	>0.9	>PF	≥80	P32	25 
84 266	Tube T8 1500mm	22W / 6500K	G13	220-240~	2410	F	>0.9	>PF	≥80	P32	25 

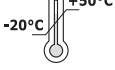
FULL GLASS Not Directional Light Source, emission in the whole solid space.
For direct substitution (retrofit) of T8 fluorescent tubes in fixtures with standard G13 lampholders and magnetic ballasts in single circuit.
For retrofit, any LED tube must be used together with a dedicated DUMMY STARTER, replacing the glow-starter (to be purchased separately).

L70, B50
35.000h























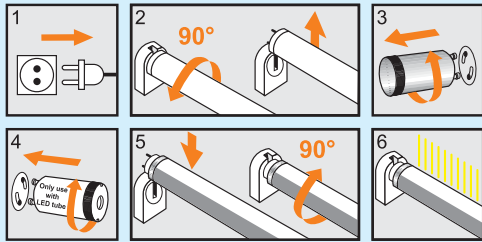
DUMMY STARTER for LED tube for retrofit

Code	Id code	Description		L (mm)	Ø (mm)	Pack
DMSTARTER	10 101	Dummy Starter, 220-240~ single circuit		37	20	25

POSSIBLE USES OF A LED TUBE FOR RETROFIT

INSTALLERS (retrofit)

Retrofit in fixtures equipped by magnetic ballasts and glow-starters, single circuit, by just the substitution of the glow-starters with dummy-starters. The protocol is hereby shown at the right.

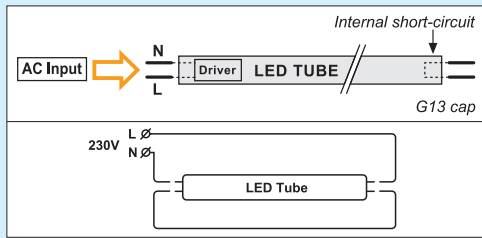


The T8 LED tube 600mm cannot retrofit fluorescent tubes in fixtures having two lamps in series (retrofit not possible in fixtures 2x18W, 4x18W, etc., with one magnetic ballast per pair of lamps in series).

The retrofit is always possible in 2x36W and 2x58W magnetic fluorescent fixtures because they have two separated single circuits.

OEMs

OEMs who want to manufacture a fixture using our LED tubes do not need any internal ballast, glow-starter or dummy-starter. It is sufficient to apply the European mains voltage at the end of the tube identified by the label (when the LED tube is inserted, its labeled end must be plugged into the G13 base where L, N have been applied). Another possible wiring is shown by the hereby picture at the bottom right.



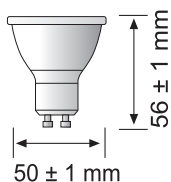
Advice
In case of use inside already installed fixtures equipped by electronic ballasts.

The installer is not allowed to modify the internal wiring of a fixture, because it is an infringement of its CE marking. DLU denies any responsibility in case of any similar use of their LED tubes.

The LED tubes cannot be used either in fixtures for emergency lighting either under dimmers.
Remove any phasing capacitor eventually present in the circuit to take advantage of the high PF proper of the LED tube.



GU10 SNOW



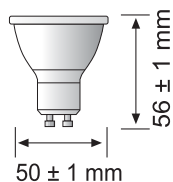
*New 9W model
same dimension
higher luminous flux
and performance*

Code	Id code	Description	P _{on} / T _c	Cap	Voltage	$\Phi_{TOT} = \Phi_{use}$ (lm)	Energy Class	PF	DF		Ra		Pack
FLLN40CAC	84 071	GU10 SNOW	6W / 3000K	GU10	220-240~	480	G	>0.5	>PF	100°	≥80	P34	10
FLLN40C2C	84 072	GU10 SNOW	6W / 4000K	GU10	220-240~	480	G	>0.5	>PF	100°	≥80	P34	10
FLLN40CEC	84 073	GU10 SNOW	6W / 6500K	GU10	220-240~	490	G	>0.5	>PF	100°	≥80	P34	10
FLLN70CAC	84 224	GU10 SNOW	9W / 3000K	GU10	220-240~	810	F	>0.5	>PF	100°	≥80	P34	10 NEW
FLLN70C2C	84 225	GU10 SNOW	9W / 4000K	GU10	220-240~	880	F	>0.5	>PF	100°	≥80	P34	10 NEW
FLLN70CEC	84 226	GU10 SNOW	9W / 6500K	GU10	220-240~	890	F	>0.5	>PF	100°	≥80	P34	10 NEW

Not Directional Light Source



PAR16 GU10 SNOW



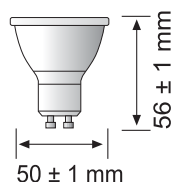
*New 8W model
same dimension
higher luminous flux
and performance*

Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ_{TOT} (lm)	Φ_{use} (lm)	Energy Class	PF	DF		Ra		Pack
FLLN407AC	84 074	PAR16 GU10 SNOW	6W / 3000K	GU10	220-240~	480	390	G	>0.5	>PF	40°	≥80	P36	10
FLLN4072C	84 075	PAR16 GU10 SNOW	6W / 4000K	GU10	220-240~	480	390	G	>0.5	>PF	40°	≥80	P36	10
FLLN407EC	84 076	PAR16 GU10 SNOW	6W / 6500K	GU10	220-240~	510	410	G	>0.5	>PF	40°	≥80	P36	10
FLLN607AC	84 221	PAR16 GU10 SNOW	8W / 3000K	GU10	220-240~	850	670	F	>0.5	>PF	40°	≥80	P113	10 NEW
FLLN6072C	84 222	PAR16 GU10 SNOW	8W / 4000K	GU10	220-240~	880	710	F	>0.5	>PF	40°	≥80	P113	10 NEW
FLLN607EC	84 223	PAR16 GU10 SNOW	8W / 6500K	GU10	220-240~	890	730	F	>0.5	>PF	40°	≥80	P113	10 NEW

Directional Light Source



PAR16 GU10 SNOW Dimmable



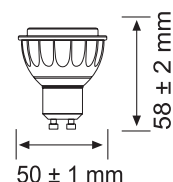
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} (lm)	Φ _{USE} (lm)	Energy Class	PF	DF	Beam	Ra	Pack	
FLLN407AC-R	84 080	PAR16 GU10 SNOW dim	6W / 3000K	GU10	230~	420	360	G	>0.8	>PF	40°	≥80	P73	10
FLLN4072C-R	84 081	PAR16 GU10 SNOW dim	6W / 4000K	GU10	230~	420	360	G	>0.8	>PF	40°	≥80	P73	10

Directional Light Source

DIMMABLE 30-100% by common dimmers for filament lamp for mains voltage



PAR16 GU10 Nerolume



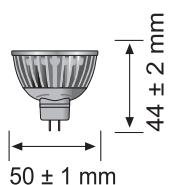
Code	Id code	Description	P _{on} / T _c	Cap	Voltage	Φ _{TOT} (lm)	Φ _{USE} (lm)	En. Class Reg. n.874/2012	PF	DF	Beam	Ra	Pack	
FLLN50CA9	84 098	PAR16 GU10 Nerolume	7W / 3000K	GU10	230-240~	610	430	A+	>0.9	>PF	60°	≥80	P39	20 PES
FLLN50CD9	84 099	PAR16 GU10 Nerolume	7W / 5000K	GU10	230-240~	640	450	A+	>0.9	>PF	60°	≥80	P39	20 PES

Directional Light Source





MR16 OEM

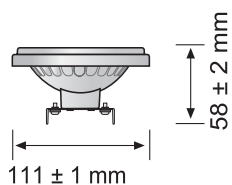


Code	Id code	Description	P _{on} / T _c	I (mA)	Cap	Voltage	Φ _{TOT} (lm)	Φ _{USE} (lm)	Energy Class Reg. n.874/2012		Ra		Pack
FLL824FAC-M	86 022	MR16 OEM	4W / 3000K	290	GU5.3	12V ~ 12VDC	300	210	A	110°	≥80	P40	10 

Directional Light Source



DR111



Code	Id code	Description	P _{on} / T _c	I (A)	Cap	Voltage	Φ _{TOT} (lm)	Φ _{USE} (lm)	Energy Class Reg. n.874/2012		Ra		Pack
FLLV86LA5	86 003	DR111	15W / 3000K	1.2	G53	12V ~ 12VDC	950	740	A	36°	≥80	P58	6 

Directional Light Source

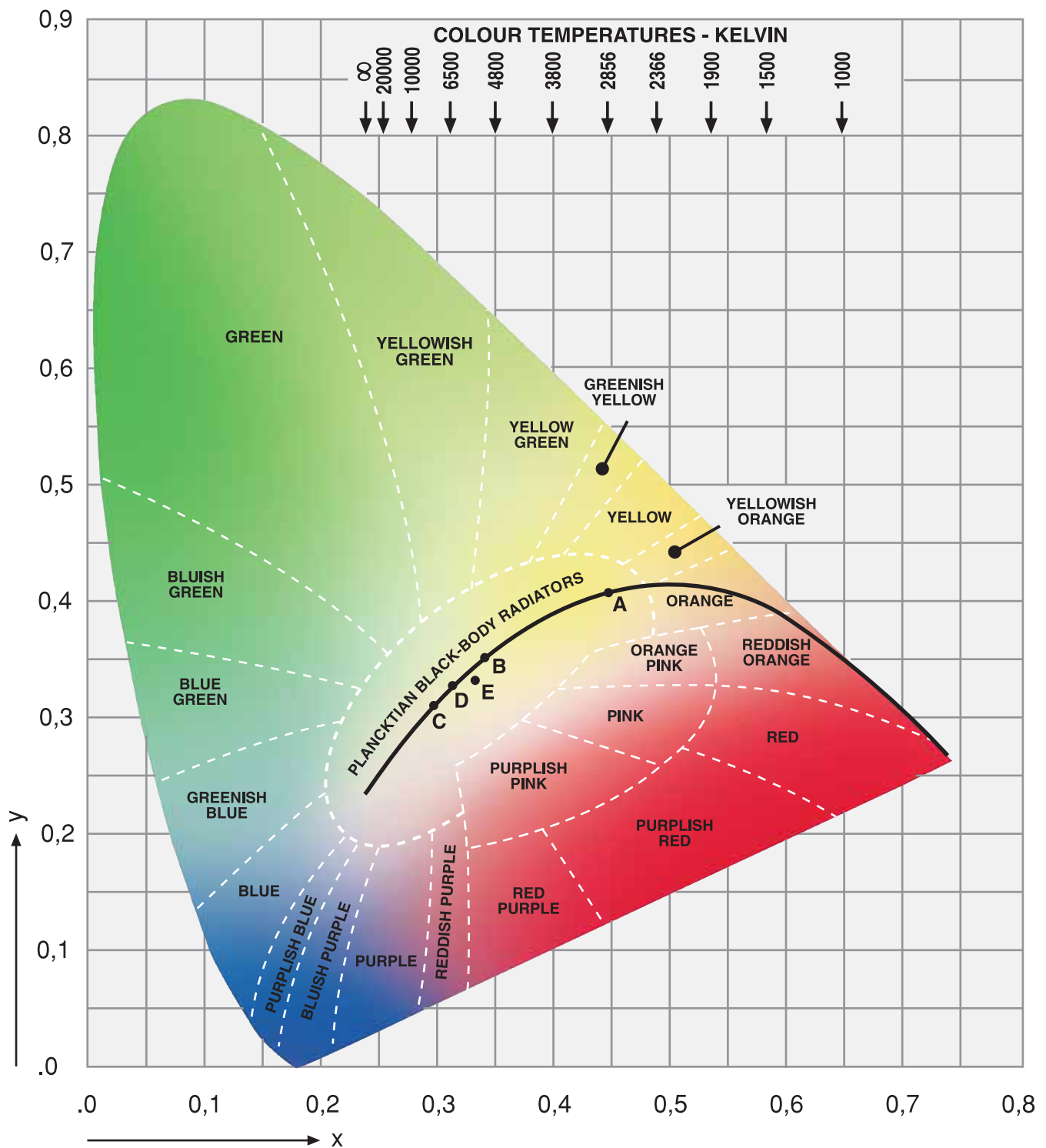




**Technical
data**

COLORIMETRICS AND SPECTRAL ANALYSIS

C.I.E. 1931 CHROMATICITY DIAGRAM



The (x, y) points on the C.I.E. 1931 diagram are defined "chromaticity coordinates" and, together with the correlated colour temperature, are the colorimetric synthesis of a spectral power distribution. The chromaticity point and the CCT (T_c) must be considered together to define the colour of any light visible to the human eye.

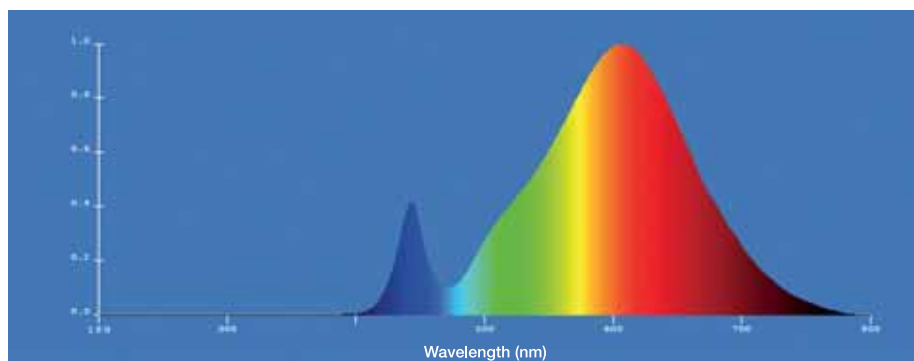
The chromaticity points A, B and D on the diagram synthesize the following C.I.E. Standard Illuminants:

A (incandescent light); B (midday light); D65 (natural light).

The point C synthesizes the average solar day by approximation, the point E the achromatic light.

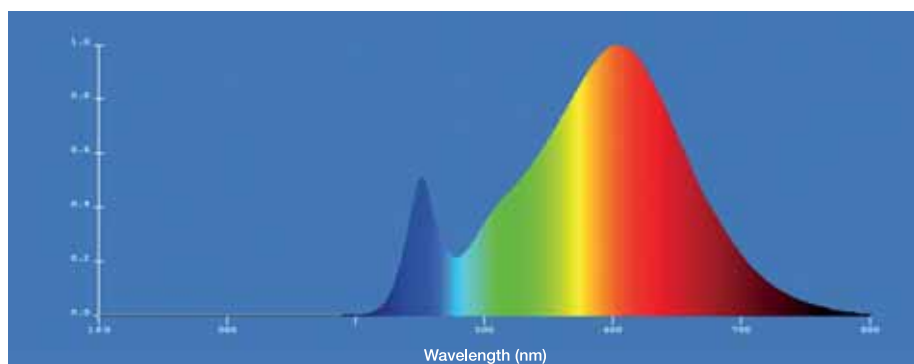
COLORIMETRICS AND SPECTRAL ANALYSIS

Spectral Power Distribution 180 - 800 nm



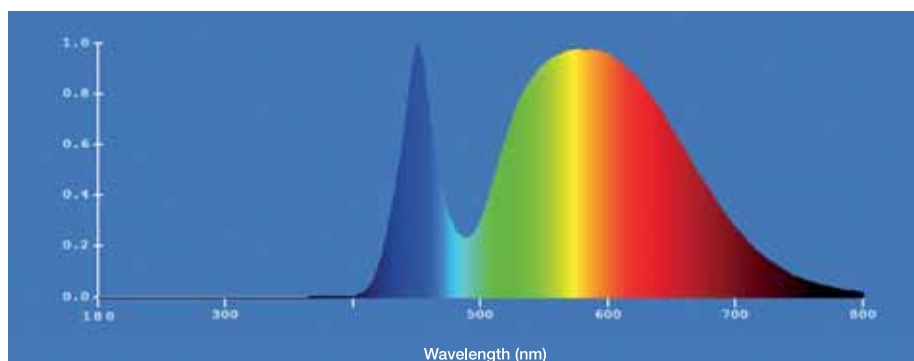
C28

2700K
Ra > 80



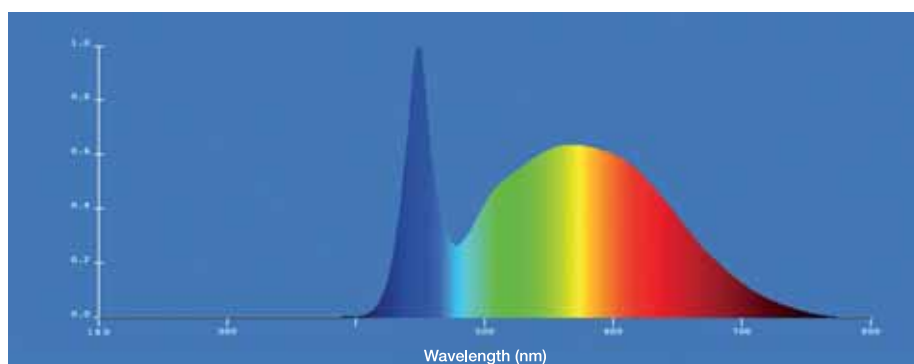
C22

3000K
Ra > 80



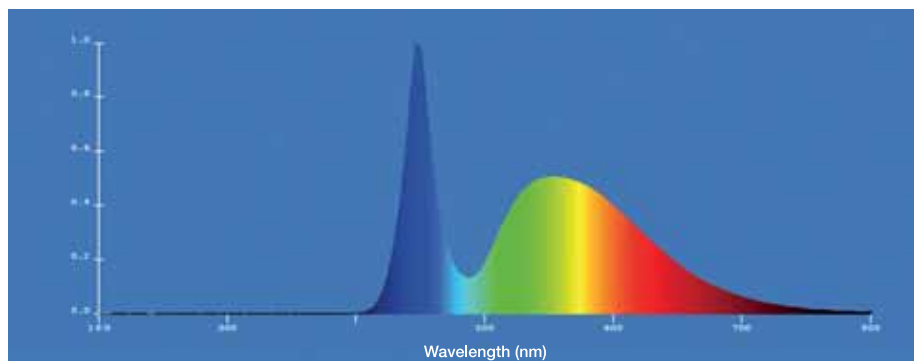
C29

4000K
Ra > 80



C24

5000K
Ra > 80

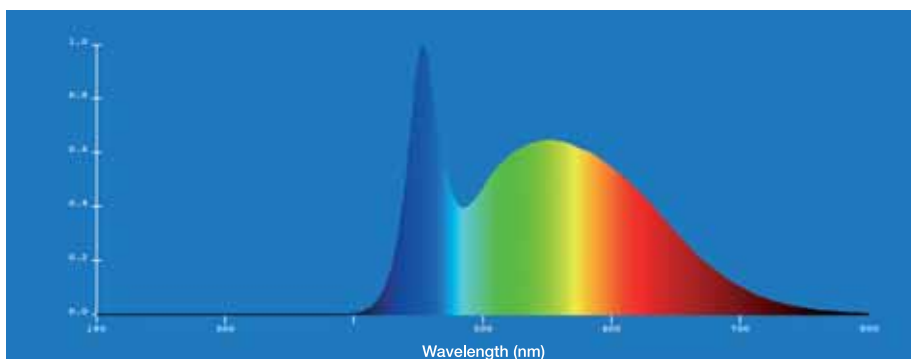


C23

6500K
Ra > 80

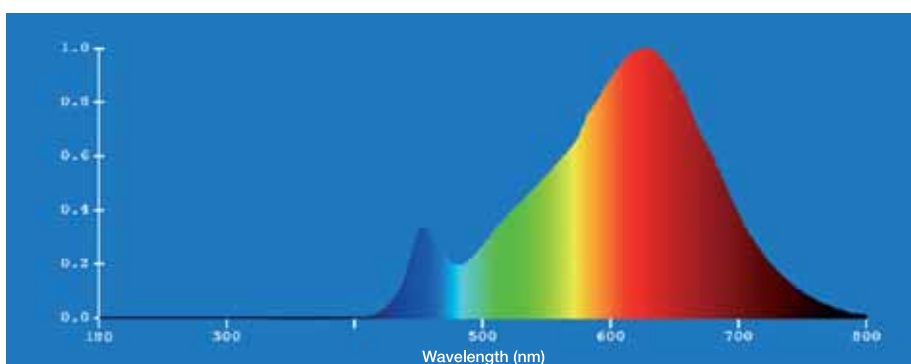
COLORIMETRICS AND SPECTRAL ANALYSIS

Spectral Power Distribution 180 - 800 nm



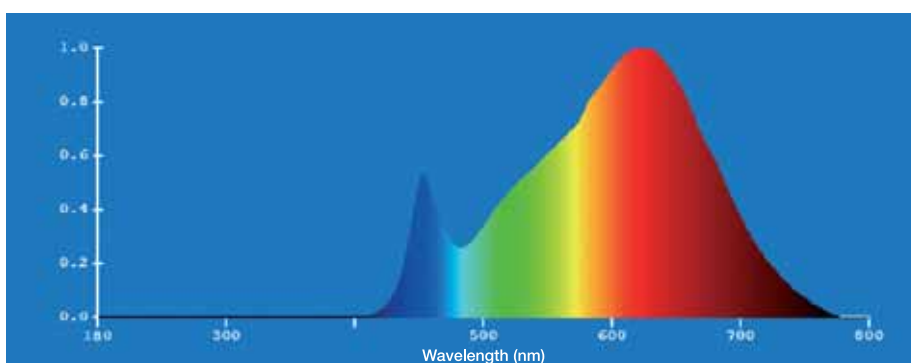
C41

6000K
Ra > 80



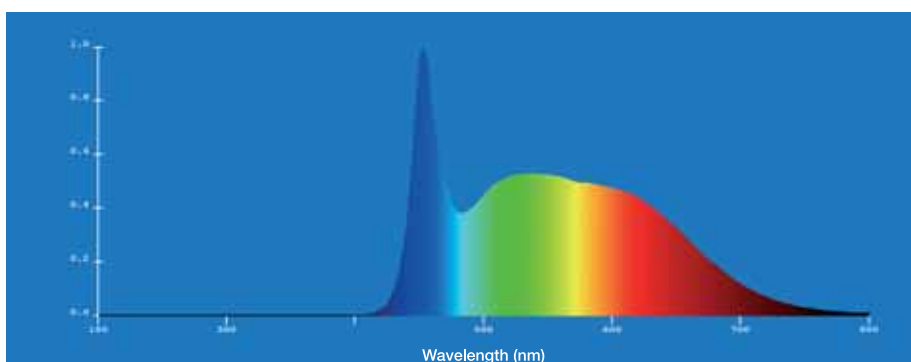
C42

2700K
Ra > 90



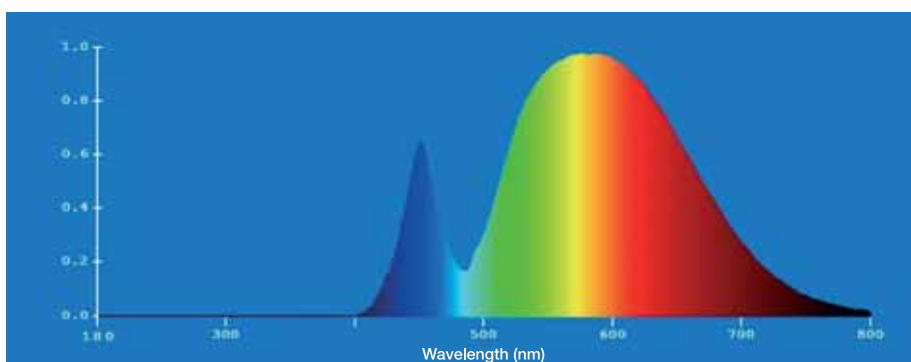
C43

3000K
Ra > 90



C45

6000K
Ra > 90



C46

4000K
Ra > 90

COLORIMETRICS AND SPECTRAL ANALYSIS

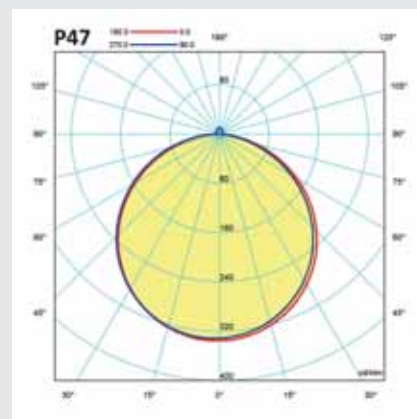
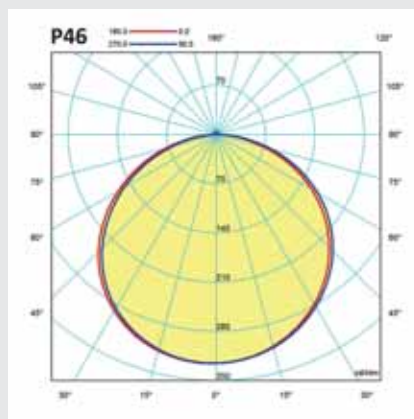
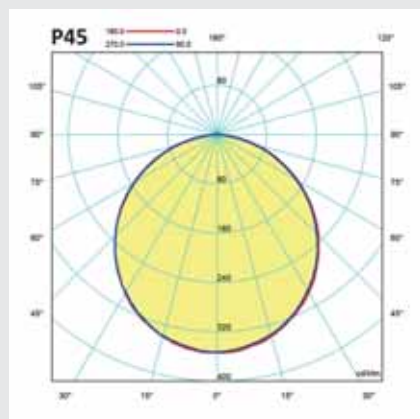
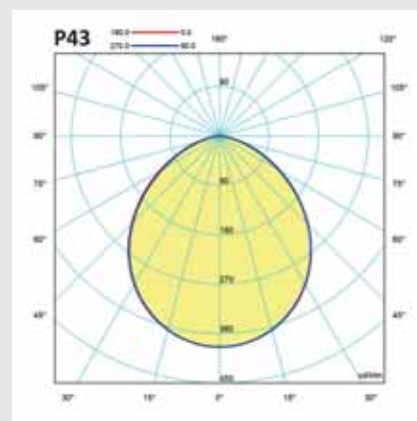
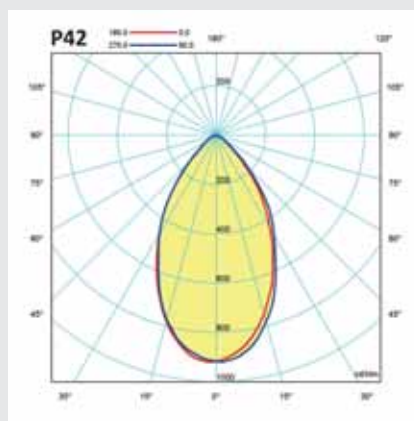
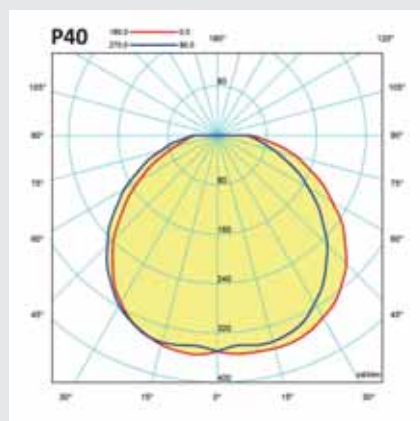
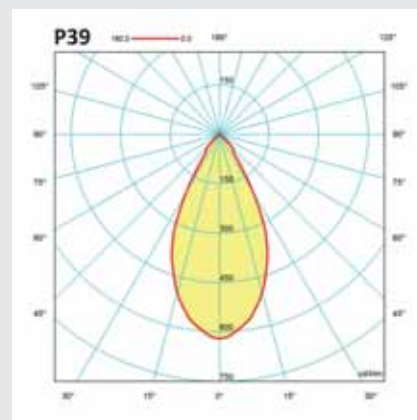
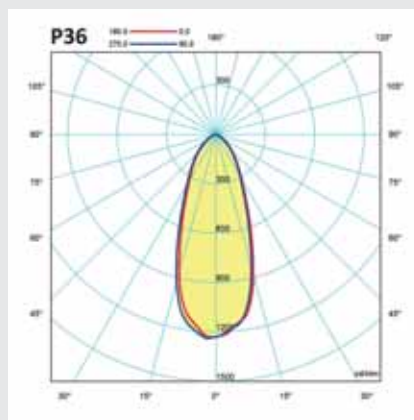
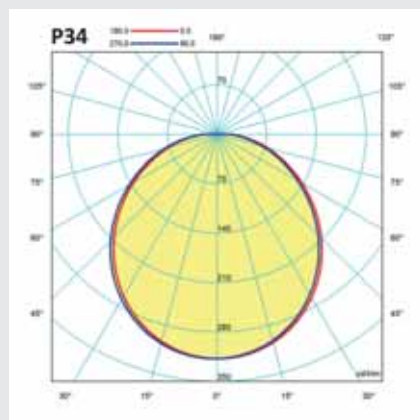
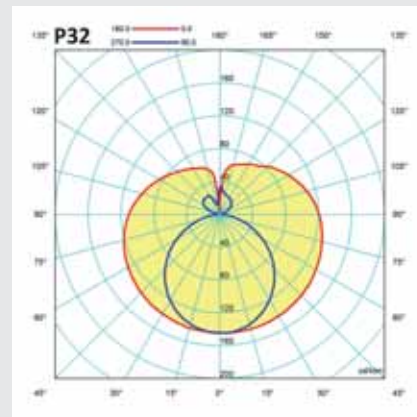
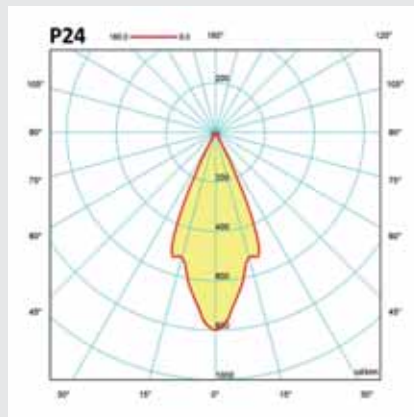
Suggested light Tonality

Application		Warm Warm-white	Cool-white	Daylight
In homes				
Dining room, living room				
Bedroom				
Kitchen, bathroom				
Cellar, workshop				
Outdoor lighting				
Streets				
Pedestrian walks				
Parks				
Squares				
Meeting places				
Restaurants, taverns				
Beerhouses, pubs				
Hotels, pensions				
Agri-tourism				
Industries, Craftsmen, Commerce				
Electronics				
Textile industry, dental mechanics				
Graphic & colour control industries				
Warehouses, shipping				
Public buildings				
Show rooms, exhibition centers				
Poly-sport complexes				
Art galleries				
Theaters, concert halls, museums				
School buildings & lecture halls				
University lecture rooms				
Nursery schools				
Libraries				
Reading rooms				
Hospitals, medical centers				
Hospital rooms				
Diagnostics and therapy				
Waiting rooms				
Photo-therapy				
Shop				
Foodstuffs, textiles & leather goods				
Photography, jewelers, florists				
Bakers, butchers, cosmetics				
Supermarkets, commercial centers				
Cabinets, frozen-goods counters				
Offices and studios				
Offices, studios				
Meeting rooms				
Hallways				
Executive offices				

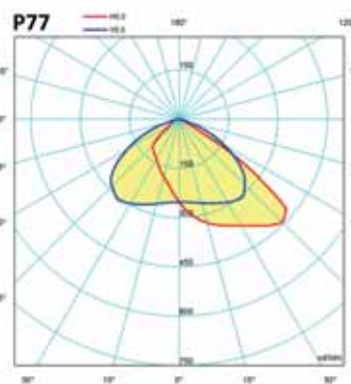
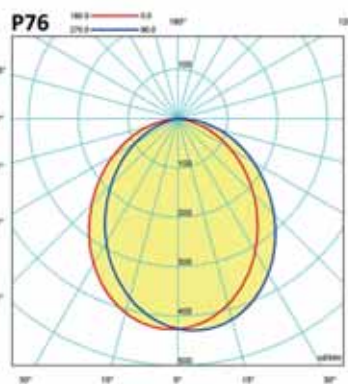
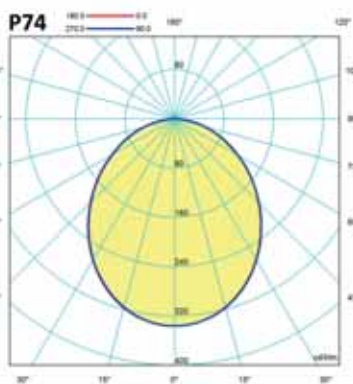
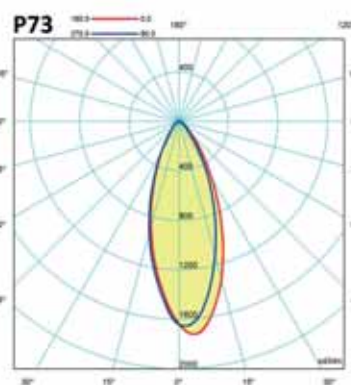
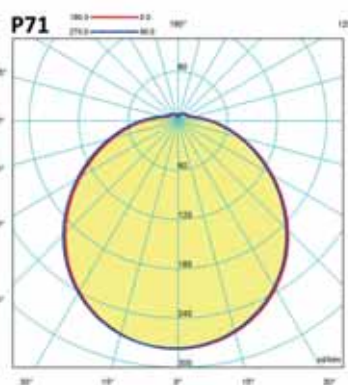
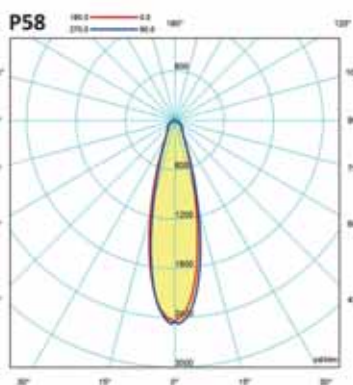
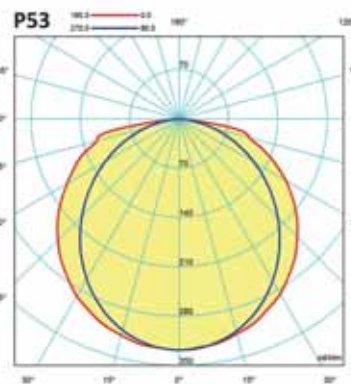
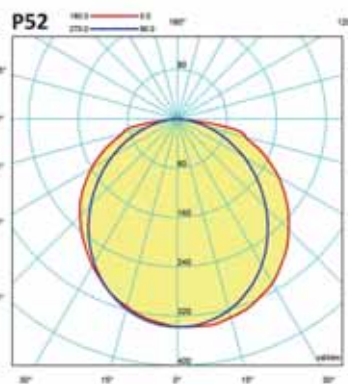
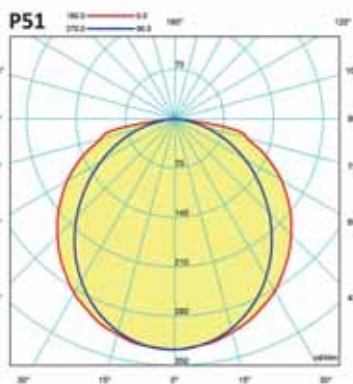
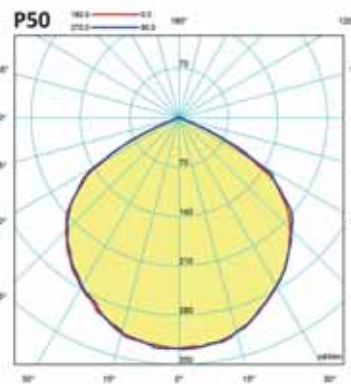
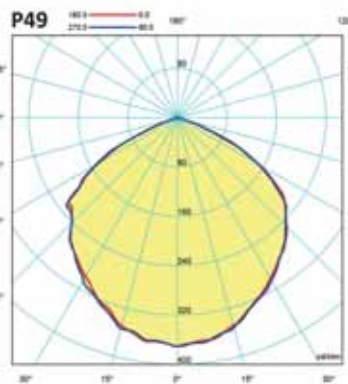
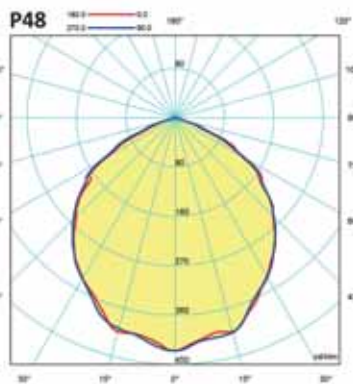
GONIOPHOTOMETRICS

Spatial Distributions of Light Intensity of lamps and fixtures with integrated optics.

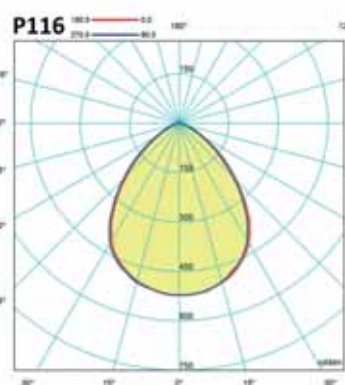
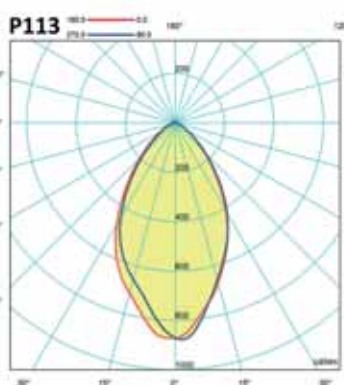
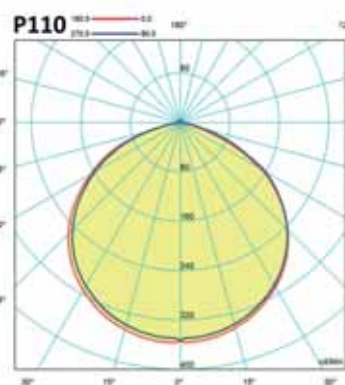
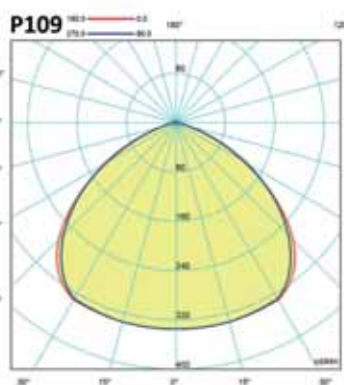
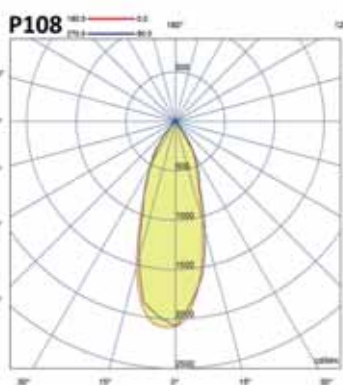
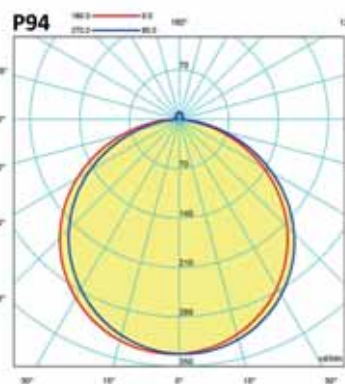
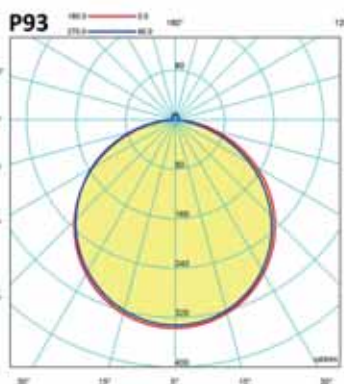
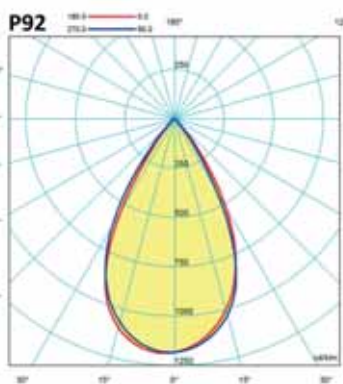
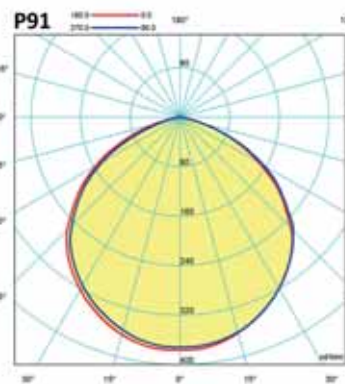
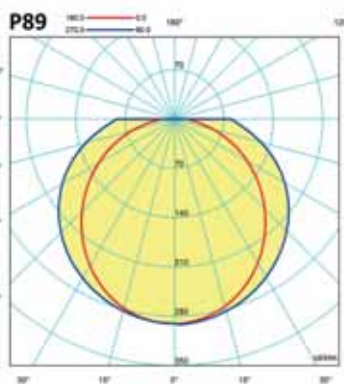
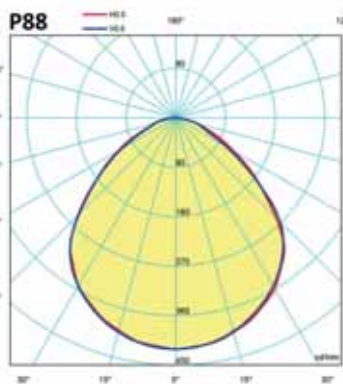
Polar diagrams normalized in cd/klm. Multiply by the total luminous flux divided 1000, to obtain the absolute values.



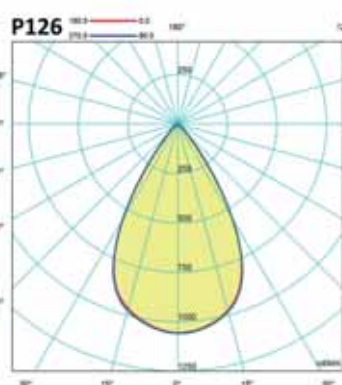
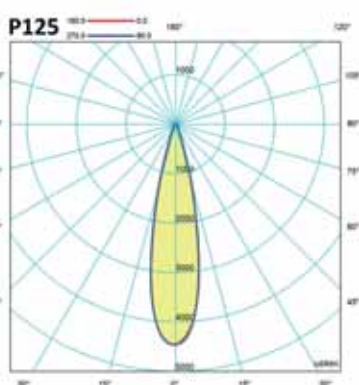
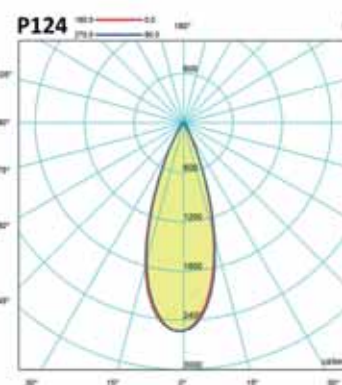
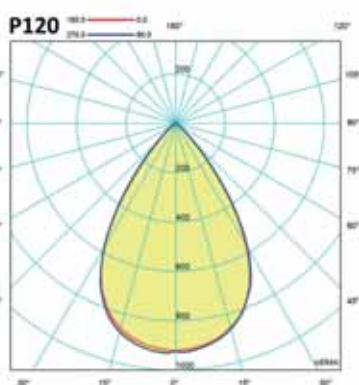
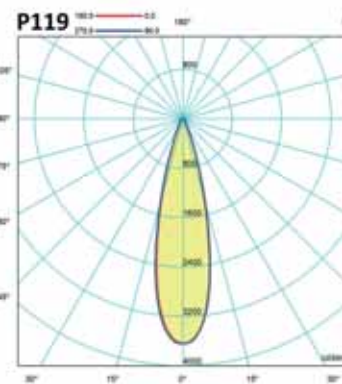
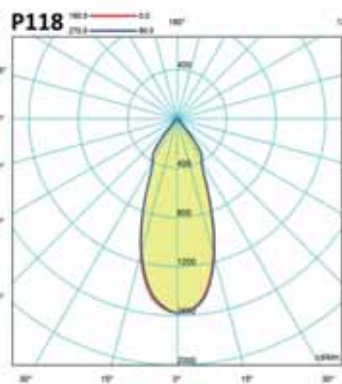
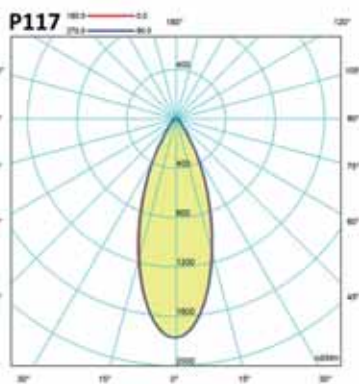
GONIOPHOTOMETRICS



GONIOPHOTOMETRICS



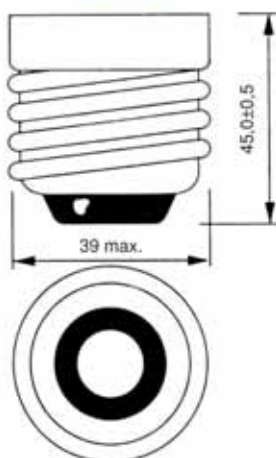
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LAMP CAPS (EN 60061-1)

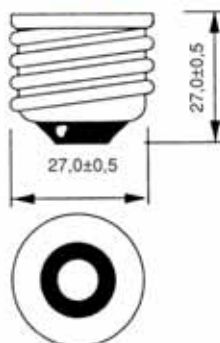
E40

7004-24-6



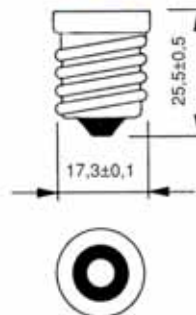
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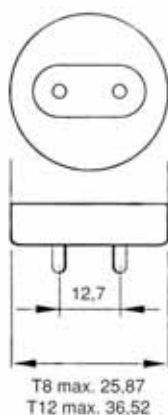
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G13

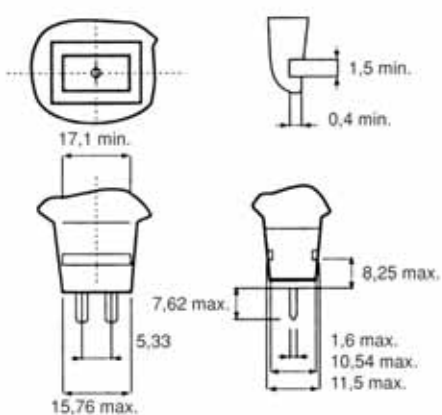
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GX5.3 / GU5.3

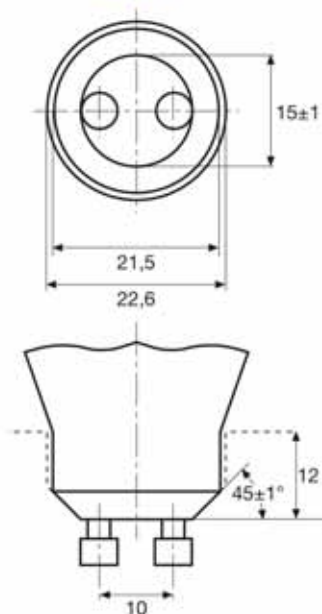
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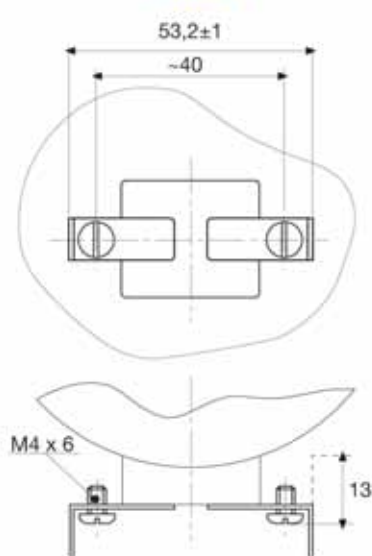
GU10

7004-121-1



G53

7004-134-1



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