

Range

IP66 12000lm 100W/740 ASYM 45D

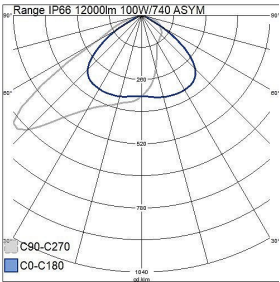
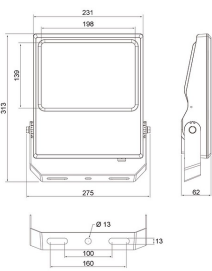
Floodlight

Range floodlight is a maintenance-free and cost-effective option for demanding use. The floodlight has high-quality materials and its impact resistance rating is IK08. Range is suitable for general lighting as well as area lighting; an excellent choice for building facades, parking areas and billboard lighting. The luminaire has a very good efficiency.

100W 4000K 12000lm Beam angle Wide beam 40-80°; No dim; IP66; IK08; Protection cl. I; L70B50 100000h; LED not exchangeable; Lamp included; CRI>70; SDCM5; Ending; 3x1mm²; Housing al; Colour gr; Cover Glass transparent

Stocked: Yes

IP66 12000lm 100W/740 ASYM 45D			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4546535	4546535	2.7	Range



IP66 12000lm 100W/740 ASYM 45D

EC001744 Downlight / spot luminaire / floodlight

Mounting		Structure	
Suitable for surface mounting	Yes	Adjustability	Swivelling
Suitable for recessed mounting	No	Lamp type	LED not exchangeable
Suitable for wall mounting	Yes	Light source included	Yes
Suitable for suspended mounting	No	Suitable for number of lamps	1
Suitable for ceiling mounting	Yes	Lamp holder	Other
Suitable for traverse mounting	Yes	Housing material	Aluminium
Suitable for pedestal/floor mounting	Yes	Surface protection	Powder coating
Suitable for light-track mounting	No	Housing colour	Grey
Suitable for clamp-mounting	No	Cover material	Glass transparent
Suitable for low voltage cable system	No	Surface brushed	Yes
Degree of protection (IP)	IP66	Control gear included	Yes
Degree of protection (IP), rear side	IP66	Exchangeable control gear	Yes
Degree of protection (IP), front side	IP66	Reflector	High-gloss
Impact strength	IK08	Reflector colour	White
Emergency function monitoring system	None	Energy efficiency class of light source according to EU regulation 2019/2015	E
Type of wiring	Ending	Containing product according to 2019/2020/EU	Yes
Number of poles	3	Emergency power supply system	None
Conductor cross section (mm ²)	1 mm ²	Emergency power supply integrated	No
Connectable conductor cross section (min) (mm ²)	1 mm ²	Filament test according to IEC 60695-2-11	650 °C - 30 s
Connectable conductor cross section (max) (mm ²)	2.5 mm ²		
Connection type	Screwless terminal		
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	Yes		
Max. number of luminaires per miniature circuit breaker B16	13		
Max. number of luminaires per miniature circuit breaker C16	22		
Fit for workplace acc. EN 12464-1	No		
Luminaire may be covered with thermally insulating material	-		

Dimming and control	
With movement sensor	No
With presence indicator	No
With light sensor	No
Dimmable	No
Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI-2	No
Dimming DALI	No
Dimming DMX	No
Dimming DSI	No
Dimming potentiometer (integrated)	No
Dimming LineSwitch	No
Dimming manufacturer's proprietary system	No
Dimming mains voltage modulation	No
Dimming trailing edge	No
Dimming leading edge	No
Dimming programmable	No
Dimming RF	No
Dimming Sine Wave Reduction	No
Dimming Touch and Dim	No
Dimming Zigbee	No
Dimming with push-button	No
No dimming function	Yes
Constant luminous flux control	No
IFTTT support available	No
Compatible with Apple HomeKit	No
Bluetooth operated	No
Compatible with Google Assistant	No
Compatible with Casambi	No
Compatible with Amazon Alexa	No

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220 V
Nominal voltage (max) (V)	240 V
Nominal current (min) (mA)	390 mA
Nominal current (max) (mA)	390 mA
Type of control gear	LED operating device current- controlled
Total harmonic distortion	15 THD
Protection class according to IEC 61140	I
Suitable for lamp power (min) (W)	100 W
Suitable for lamp power (max) (W)	100 W
Maximum system power (W)	100 W
Luminaire efficacy (min) (lm/W)	120 lm/W
Luminaire efficacy (max) (lm/W)	120 lm/W
Power factor	0.9
Luminaire efficacy (lm/W)	120 lm/W

Photometric data	
Light distributor	Focal lens
Light sharing	Asymmetric
Beam angle	Wide beam 40-80°
Light outlet	Direct
Colour of light (alphanumeric)	White
Colour temperature (min) (K)	4000 K
Colour temperature (max) (K)	4000 K
Colour temperature switchable	No
Colour rendering index (CRI/Ra)	70-79
Luminous flux (min) (lm)	12000 lm
Luminous flux (max) (lm)	12000 lm
Effective luminous flux (lm)	12000 lm
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	12000 lm
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	12000 lm
Lumen setting adjustable	No
Flickering value Pst LM	1
Beam angle adjustable	No
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG1
Colour consistency (McAdam ellipse)	SDCM5

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	100000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	90 %
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	85 %
Lumen maintenance at median useful life of 100,000 hr at 25 °C ambient (tq)	70 %
Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	5 %
Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	5 %
Failure rate at median useful life of 100,000 hrs at 25 °C ambient (tq)	10 %
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	-30 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	50 °C

Measurements	
Length (mm)	313 mm
Width (mm)	275 mm
Height/depth (mm)	62 mm