Range

IP66 12000lm 100W/740 ASYM 45D

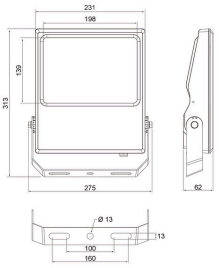
Floodlight

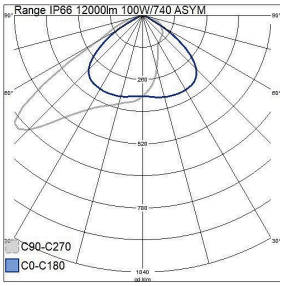
Range floodlight is a maintenance-free and cost-effective option for demanding use. The floodlight has high-quality materials and its impact resistance rating is IK08. Range is suitable for general lighting as well as area lighting; an excellent choice for building facades, parking areas and billboard 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	
Suitable for surface mounting	Yes
Suitable for recessed mounting	No
Suitable for wall mounting	Yes
Suitable for suspended mounting	No
Suitable for ceiling mounting	Yes
Suitable for traverse mounting	Yes
Suitable for pedestal/floor mounting	Yes
Suitable for light-track mounting	No
Suitable for clamp-mounting	No
Suitable for low voltage cable system	No
Degree of protection (IP)	IP66
Degree of protection (IP), rear side	IP66
Degree of protection (IP), front side	IP66
Impact strength	IK08
Emergency function monitoring system	None
Type of wiring	Ending
Number of poles	3
Conductor cross section (mm²)	1 mm²
Connectable conductor cross section (min) (mm²)	1 mm²
Connectable conductor cross section (max) (mm²)	2.5 mm²
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	-

Structure	
Adjustability	Swivelling
Lamp type	LED not exchangeable
Light source included	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Aluminium
Surface protection	Powder coating
Housing colour	Grey
Cover material	Glass transparent
Surface brushed	Yes
Control gear included	Yes
Exchangeable control gear	Yes
Reflector	High-gloss
Reflector colour	White
Energy efficiency class of light source according to EU regulation 2019/2015	E
Containing product according to 2019/2020/EU	Yes
Emergency power supply system	None
Emergency power supply integrated	No
Filament test according to IEC 60695-2-11	650 °C - 30 s

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