Lumi

320 IP44 12W/840 RA 10-100 WH

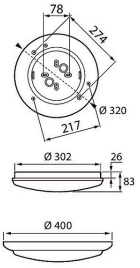
Sensor luminaire

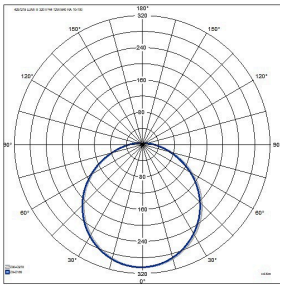


The Lumi IP44 general lighting range is suitable for indoor wall and ceiling mounting in public spaces and residential properties. It is designed for corridors, staircases and bathrooms. These impact-resistant luminaires are suitable for surface and semi-recessed mounting, with a installation bracket included in the delivery. They are quick and easy to install, thanks to the bayonet fittings and LED lamps, which are located on the luminaire edge. Lumi series includes Radar 10-100 and Pir models. The luminaire with a screwless connector is suitable for surface wiring and linking. A white decorative frame is available as an accessory.

Lumi Sensor luminaire 12W 4000K 1000lm Radar 10-100; IP44; IK10; Protection cl. II; L70B50 50000h; LED not exchangeable; CRI>80; SDCM5; Suitable for through wiring; 4x2.5mm²; Housing Plastic; Colour wh; Cover Plastic, opal; Movement sensor; C16 max. 92

Stocked: Yes





320 IP44 12W/840 RA 10-100 WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4297218	4297218	0.85	Lumi

320 IP44 12W/840 RA 10-100 WH

EC002892 Ceiling / wall luminaire

Mounting	
Suitable for wall mounting	Yes
Suitable for suspended mounting	No
Suitable for ceiling mounting	Yes
Suitable for recessed mounting	Yes
Suitable for surface mounting	Yes
Suitable for light line configuration	No
Suitable for clamp-mounting	No
Fit for workplace acc. EN 12464-1	No
Degree of protection (IP)	IP44
Degree of protection (IP), rear side	IP44
Degree of protection (IP), front side	IP44
Max. number of luminaires per miniature circuit breaker C10 (MCB)	61
Max. number of luminaires per miniature circuit breaker B16	61
Max. number of luminaires per miniature circuit breaker C16	92
Impact strength	IK10
Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24	Yes
Suitable for emergency lighting	No
Emergency function monitoring system	None
Luminaire may be covered with thermally insulating material	No
Type of wiring	Suitable for through wiring
Number of poles	3
Conductor cross section (mm²)	2.5 mm²
Connection type	Screwless terminal
Connectable conductor cross section (min) (mm²)	1.5 mm²
Connectable conductor cross section (max) (mm²)	2.5 mm²

Structure	
With mounting material	Yes
Lamp type	LED not exchangeable
Light source included	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Housing surface protection	Plastic-coated
Housing colour	White
Cover material	Plastic, opal
Type of grid	White
Control gear included	Yes
Exchangeable control gear	Yes
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
With switch	No
With air slots	No
Filament test according to IEC 60695-2-11	650 °C - 30 s

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220 V
Nominal voltage (max) (V)	240 V
Nominal current (min) (mA)	250 mA
Nominal current (max) (mA)	250 mA
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	12 W
Suitable for lamp power (max) (W)	12 W
Luminaire efficacy (min) (lm/W)	83 lm/W
Luminaire efficacy (max) (lm/W)	83 lm/W
Maximum system power (W)	12 W
Luminaire efficacy (lm/W)	83 lm/W
Power factor	0.9
Total harmonic distortion (THD) (%)	20 %
Total harmonic distortion	20 THD

Dimming and control	
Dimmable	Yes
Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI	No
Dimming DALI-2	No
Dimming DMX	No
Dimming DSI	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	Yes
Dimming potentiometer (integrated)	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	No
With presence indicator	No
With movement sensor	Yes
Movement sensor/presence detector technology	Ultrasonic
With light sensor	Yes
Constant luminous flux control	No
Bluetooth operated	No
Compatible with Casambi	No
Compatible with Apple HomeKit	No
Compatible with Google Assistant	No
Compatible with Amazon Alexa	No
IFTTT support available	No

Photometric data	
Light distributor	Diffuser lens/optic/panel
Light sharing	Symmetric
Beam angle	Open beam
Colour consistency (McAdam ellipse)	SDCM5
Light outlet	Direct
Rated luminous flux according to IEC 62722-2- 1 (min) (lm)	1000 lm
Rated luminous flux according to IEC 62722-2- 1 (max) (lm)	1000 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	1000 lm
Colour temperature (min) (K)	4000 K
Colour temperature (max) (K)	4000 K
Flickering value Pst LM	1
Colour rendering index (CRI/Ra)	80-89
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG0
Unified Glare Rating (UGR)	22
Colour temperature switchable	No
Lumen setting adjustable	No
Beam angle adjustable	No

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	50000 h
Rated life time L80/B50 at 25 °C	35000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	80 %
Lumen maintenance at median useful life of 50,000 hrs 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) (%)	10 %
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25 °C

Measurements	
Width (mm)	320 mm
Height/depth (mm)	83 mm
Length (mm)	320 mm
Outer diameter (mm)	320 mm
Built-in width (mm)	300 mm
Built-in height/depth (mm)	26 mm
Built-in diameter (mm)	300 mm