

Flat Sq

225 IP44 15W/830 CA PCO WH

Downlight

Luminaires in the Flat Sq downlight range are suitable for mounting on a low ceiling structure. They are designed for use in bathrooms, corridors and lobbies. The luminaire is dimmable. Equipped with spring terminal blocks, these luminaire can also be linked.

Flat Sq Downlight 15W 3000K 1300lm Beam angle Open beam; Casambi; IP44; Protection cl. II; L70B50 60000h; LED not exchangeable; CRI>80; SDCM4; Suitable for through wiring; 2.5mm²; Housing al; Colour wh; Cover Plastic, opal

Stocked: No



225 IP44 15W/830 CA PCO WH

PRODUCT CODE	CODE	KG	PRODUCT FAMILY
	A2FLGK-CA	0.79	Flat Sq

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EC001744 Downlight / spot luminaire / floodlight

Mounting		Structure	
Suitable for surface mounting	No	Adjustability	Not adjustable
Suitable for recessed mounting	Yes	Lamp type	LED not exchangeable
Suitable for wall mounting	No	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	No	Housing material	Aluminium
Suitable for pedestal/floor mounting	No	Surface protection	Powder coating
Suitable for light-track mounting	No	Housing colour	White
Suitable for clamp-mounting	No	Cover material	Plastic, opal
Suitable for low voltage cable system	No	Surface brushed	No
Degree of protection (IP)	IP44	Control gear included	Yes
Degree of protection (IP), rear side	IP20	Exchangeable control gear	Yes
Degree of protection (IP), front side	IP44	Reflector	None
Impact strength	IK03	Energy efficiency class of light source according to EU regulation 2019/2015	F
Emergency function monitoring system	None	Containing product according to 2019/2020/EU	Yes
Type of wiring	Suitable for through wiring	Emergency power supply system	None
Number of poles	3	Emergency power supply integrated	No
Conductor cross section (mm ²)	2.5 mm ²	Filament test according to IEC 60695-2-11	650 °C - 30 s
Connectable conductor cross section (min) (mm ²)	1.5 mm ²		
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	No		
Max. number of luminaires per miniature circuit breaker B16	50		
Max. number of luminaires per miniature circuit breaker C16	75		
Fit for workplace acc. EN 12464-1	No		
Luminaire may be covered with thermally insulating material	No		

Dimming and control	
With movement sensor	No
With presence indicator	No
With light sensor	No
Dimmable	Yes
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	Yes
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
Constant luminous flux control	No
IFTTT support available	No
Compatible with Apple HomeKit	No
Bluetooth operated	Yes
Compatible with Google Assistant	No
Compatible with Casambi	Yes
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)	350 mA
Nominal current (max) (mA)	350 mA
Type of control gear	LED operating device current- controlled
Total harmonic distortion (THD) (%)	15 %
Total harmonic distortion	15 THD
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	15 W
Suitable for lamp power (max) (W)	15 W
Maximum system power (W)	15 W
Luminaire efficacy (min) (lm/W)	85 lm/W
Luminaire efficacy (max) (lm/W)	85 lm/W
Power factor	0.9
Luminaire efficacy (lm/W)	85 lm/W

Photometric data	
Light distributor	Diffuser lens/optic/panel
Light sharing	Symmetric
Beam angle	Open beam
Light outlet	Direct
Colour of light (alphanumeric)	White
Colour temperature (min) (K)	3000 K
Colour temperature (max) (K)	3000 K
Colour temperature switchable	No
Colour rendering index (CRI/Ra)	80-89
Luminous flux (min) (lm)	1300 lm
Luminous flux (max) (lm)	1300 lm
Effective luminous flux (lm)	1300 lm
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	1300 lm
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	1300 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)	SDCM4
Unified Glare Rating (UGR)	22

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	
Length (mm)	225 mm
Width (mm)	225 mm
Height/depth (mm)	43 mm
Outer diameter (mm)	225 mm
Built-in length (mm)	210 mm
Built-in length (min) (mm)	210 mm
Built-in length (max) (mm)	210 mm
Built-in width (mm)	210 mm
Built-in width (min) (mm)	210 mm
Built-in width (max) (mm)	210 mm
Built-in height/depth (mm)	43 mm
Installation height (min) (mm)	2000 mm
Installation height (max) (mm)	5000 mm