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3 x 2,5

IP65



IP65
IP65

Medic

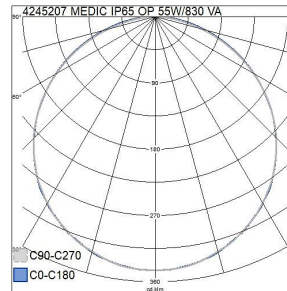
IP65 55W/830 PSO WH

A special lighting solution for hospitals, industrial kitchens, and other public-space applications where IP65 protection and additional durability are required. Recessed mounting on a T-grid ceiling. The Medic luminaires have been certified in accordance with ISO 14644-1 standard and they have been granted the ISO 3 cleanroom classification.

Medic Modular luminaire 55W 3000K 6500lm No dim; IP65; Protection cl. I; L70B50 100000h; LED not exchangeable; CRI>80; SDCM3; Suitable for through wiring; 3x2.5mm²; Housing Steel; Colour wh; Cover Plastic, opal; C16 max. 30



IP65 55W/830 PSO WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4245207	D2MEAE	5 kg	Medic



Mounting	
Suitable for wall mounting	No
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)	IP65
Degree of protection (IP), rear side	Other
Degree of protection (IP), front side	IP65
Max. number of luminaires per miniature circuit breaker C10 (MCB)	18
Max. number of luminaires per miniature circuit breaker B16	18
Max. number of luminaires per miniature circuit breaker C16	30
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	No
Suitable for emergency lighting	No
Emergency function monitoring system	None
Luminaire may be covered with thermally insulating material	No
Type of wiring	Suitable for thorough wiring
Number of poles	3
Conductor cross section (mm ²)	2.5
Connection type	Screwed terminal
Connectable conductor cross section (min) (mm ²)	1.5
Connectable conductor cross section (max) (mm ²)	2.5
Quantity of luminaires for MCB C16:	30
Quantity of luminaires for MCB B16:	18

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	Steel
Housing surface protection	Powder coating
Housing colour	White
Cover material	Plastic, opal
Type of grid	None
Control gear included	Yes
Exchangeable control gear	No
Energy efficiency class of light source according to EU regulation 2019/2015	D
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

Dimming and control	
Dimmable	No
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	No
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	Yes
With presence indicator	No
With movement sensor	No
With light sensor	No
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	Extreme wide beam >80°
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	6500
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	6500
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	6500
Colour temperature (min) (K)	3000
Colour temperature (max) (K)	3000
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)	100000
Rated life time L80/B50 at 25 °C	80000
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
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
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25

Measurements	
Width (mm)	596
Height/depth (mm)	85
Length (mm)	596
Built-in length (mm)	600
Built-in width (mm)	600
Built-in height/depth (mm)	200

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	475
Nominal current (max) (mA)	475
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	I
Suitable for lamp power (min) (W)	55
Suitable for lamp power (max) (W)	55
Luminaire efficacy (min) (lm/W)	118
Luminaire efficacy (max) (lm/W)	118
Maximum system power (W)	55
Luminaire efficacy (lm/W)	118
Power factor	0.9
Total harmonic distortion (THD) (%)	10
Total harmonic distortion	10