Office

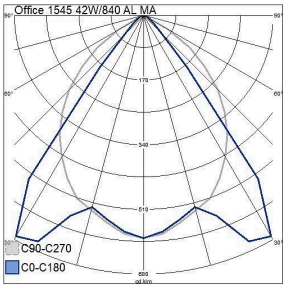
1545 42W/840 AL MA WH



Surface mnt./suspen. luminaire

The Office downlight range, which can be surface-mounted on the ceiling, offers a variety of general lighting solutions with numerous customisation options. Its optics features include an aluminium low-luminance louvre and an integrated opal shield, which eliminate glare from the LEDs and achieve an excellent Unified Glare Rating l/value (UGR <19). Typical applications include schools, offices and other spaces where computers are used.

Office Surface mnt./suspen. luminaire 42W 4000K 5000lm No dim; IP20; IK02; Protection cl. I; L80B10 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Suitable for through wiring; 3x2.5mm²; Housing Steel; Colour wh; Cover Plastic matt/satinized



Stocked: No

1545 42W/840 AL MA WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146857	4146857	3	Office

1545 42W/840 AL MA WH

EC002892 Ceiling / wall luminaire

Mounting	
Suitable for wall mounting	No
Suitable for suspended mounting	Yes
Suitable for ceiling mounting	Yes
Suitable for recessed mounting	No
Suitable for surface mounting	Yes
Suitable for light line configuration	No
Suitable for clamp-mounting	Yes
Fit for workplace acc. EN 12464-1	Yes
Degree of protection (IP)	IP20
Degree of protection (IP), rear side	IP20
Degree of protection (IP), front side	IP20
Impact strength	IK02
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	-
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	Steel
Housing surface protection	Powder coating
Housing colour	White
Cover material	Plastic matt/satinized
Type of grid	Matt
Control gear included	Yes
Exchangeable control gear	Yes
Energy efficiency class of light source according to EU regulation 2019/2015	Not required
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)	500 mA
Nominal current (max) (mA)	500 mA
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	I
Suitable for lamp power (min) (W)	42 W
Suitable for lamp power (max) (W)	42 W
Luminaire efficacy (min) (lm/W)	120 lm/W
Luminaire efficacy (max) (lm/W)	120 lm/W
Maximum system power (W)	42 W
Luminaire efficacy (lm/W)	120 lm/W
Power factor	0.9

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	Reflector
Light sharing	Symmetric
Beam angle	Wide beam 40-80°
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Rated luminous flux according to IEC 62722-2- 1 (min) (lm)	5000 lm
Rated luminous flux according to IEC 62722-2- 1 (max) (lm)	5000 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	5000 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)	19
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 h
Rated life time L80/B50 at 25 °C	100000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	95 %
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	90 %
Lumen maintenance at median useful life of 75,000 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 %
Failure rate at median useful life of 75,000 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)	140 mm
Height/depth (mm)	60 mm
Length (mm)	1545 mm