

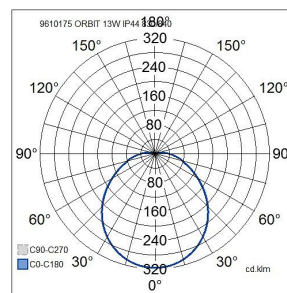


Orbit

IP44 15W 830/840 PCO WH

Orbit is an extremely versatile general lighting solution, thanks to its integrated adjustment system for luminous flux and colour temperature. Available with four light output and two colour temperature options and as a radar version, this range offers a solution for most lighting applications. These impact-resistant luminaires can be mounted on the wall and the ceiling in offices, lobbies, hallways, toilets, shower rooms, utility rooms and staircases, and they are also suitable for outdoor use. The diffuser's bayonet fitting enables quick installation. The luminaire can be installed directly on a junction box. The installation height is 2–6 m.

Orbit Surface mnt. univ. luminaire 7/10/13/15W
 3000K/4000K 600/800/1000/1200lm No dim; IP44;
 IK10; Protection cl. II; L70B50 35000h; LED not
 exchangeable; CRI>80; SDCM6; Suitable for through
 wiring; 3x2.5mm²; Housing Plastic; Colour wh; Cover
 Plastic, opal; C16 max. 85



IP44 15W 830/840 PCO WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
9610175		0.64	Orbit

Mounting	
Suitable for wall mounting	Yes
Suitable for suspended mounting	No
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	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)	57
Max. number of luminaires per miniature circuit breaker B16	57
Max. number of luminaires per miniature circuit breaker C16	85
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	-
Type of wiring	Suitable for through wiring
Number of poles	3
Conductor cross section (mm ²)	2.5
Connection type	Screwless 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:	85
Quantity of luminaires for MCB C10:	53
Quantity of luminaires for MCB B16:	57
Quantity of luminaires for MCB B10:	35

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	Matt
Control gear included	Yes
Exchangeable control gear	No
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

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)	SDCM6
Light outlet	Direct
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	600
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	1200
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	1200
Colour temperature (min) (K)	3000
Colour temperature (max) (K)	4000
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	Discrete positions
Lumen setting adjustable	Positions
Beam angle adjustable	No

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	35000
Rated life time L80/B50 at 25 °C	25000
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	70
Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	10
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25

Measurements	
Width (mm)	300
Height/depth (mm)	80
Length (mm)	300
Outer diameter (mm)	300

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	150
Nominal current (max) (mA)	300
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	7
Suitable for lamp power (max) (W)	15
Luminaire efficacy (min) (lm/W)	80
Luminaire efficacy (max) (lm/W)	86
Maximum system power (W)	15
Luminaire efficacy (lm/W)	80
Power factor	0.9
Total harmonic distortion (THD) (%)	20
Total harmonic distortion	20