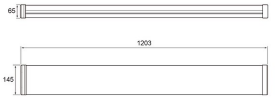
# Optimus

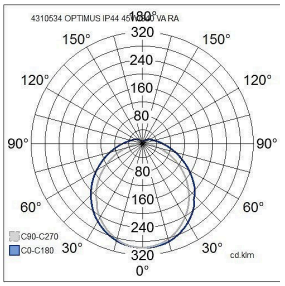


## IP44 45W/840 RA PCO WH

Sensor luminaire

The low-profile Optimus IP44 luminaire is a versatile lighting solution for industrial facilities, commercial properties, warehouses, corridors and wet spaces. The product is equipped with a keyhole slot for easy installation. It can be mounted on a ceiling, a wall and on a suspension rail. The range consists of two colour temperatures and three lengths. Mounting fixtures designed for population shelters are also available for the product (A2OPKD).




Optimus Sensor luminaire 45W 4000K 4500lm Radar On/Off; IP44; IK08; Protection cl. I; L70B50 60000h; LED not exchangeable; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing Steel; Colour wh; Cover Plastic, opal; Movement sensor; C16 max. 24

Stocked: Yes



| IP44 45W/840 RA PCO WH | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| 4310534 | 4310534 | 2.21 | Optimus |

# IP44 45W/840 RA PCO 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 | No |
| Suitable for surface mounting | Yes |
| Suitable for light line configuration | No |
| Suitable for clamp-mounting | Yes |
| 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 B16 | 16 |
| Max. number of luminaires per miniature circuit breaker C16 | 24 |
| Impact strength | IK08 |
| Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24 | Yes |
| Suitable for emergency lighting | No |
| Type of wiring | Suitable for through wiring |
| Number of poles | 5 |
| Conductor cross section (mm²) | 2.5 mm² |
| Connection type | Screwless terminal |

| 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 | 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 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) | 1200 mA |
| Nominal current (max) (mA) | 1200 mA |
| Type of control gear | LED operating device current-controlled |
| Protection class according to IEC 61140 | I |
| Suitable for lamp power (min) (W) | 45 W |
| Suitable for lamp power (max) (W) | 45 W |
| Maximum system power (W) | 45 W |
| Luminaire efficacy (lm/W) | 100 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 movement sensor | Yes |
| 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 | None |
| Light sharing | Symmetric |
| Beam angle | Open beam |
| Colour consistency (McAdam ellipse) | SDCM3 |
| Light outlet | Direct |
| Colour of light (alphanumeric) | White |
| Effective luminous flux (lm) | 4500 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 |
| Colour temperature switchable | No |
| Lumen setting adjustable | No |
| Beam angle adjustable | No |

| Lifetime and capacity | |
|---|---|
| Rated life time L70/B50 at 25 °C (h) | 60000 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 % |
| 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) | 144 mm |
| Height/depth (mm) | 65 mm |
| Length (mm) | 1200 mm |