# Plata

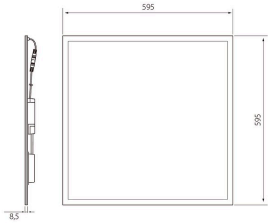
## IP20 45W/840 PSMP WH

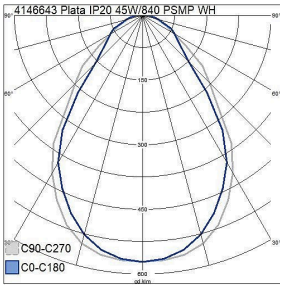
Modular luminaire



Plata is a low-profile modular luminaire designed for offices, corridors, lobbies, schools and other public spaces. Anti-glare models equipped with micro-prismatic (MP) diffusers offer an excellent solution for classrooms and spaces where computers and other equipment with displays are used. Plata is suitable for recessed mounting in false ceilings, which makes it ideal for offices and public spaces. It can also be suspended on wires or surface-mounted with a separate mounting set. The control options are on/off, Dali-2, pushbutton (direct pushbutton control 230V) and Casambi.

Plata Modular luminaire 45W 4000K 4600lm No dim; IP20; IK02; Protection cl. II; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing al; Colour wh; Cover Plastic, structured; C16 max. 52




Stocked: Yes

| IP20 45W/840 PSMP WH | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| 4146643 | 4146643 | 3 | Plata |

# IP20 45W/840 PSMP 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 | Yes |
| Suitable for surface mounting | Yes |
| Suitable for light line configuration | No |
| Suitable for clamp-mounting | No |
| 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 |
| Max. number of luminaires per miniature circuit breaker C10 (MCB) | 35 |
| Max. number of luminaires per miniature circuit breaker B16 | 34 |
| Max. number of luminaires per miniature circuit breaker C16 | 52 |
| 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 | No |
| Type of wiring | Suitable for through wiring |
| Number of poles | 5 |
| 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 | Aluminium |
| Housing surface protection | Powder coating |
| Housing colour | White |
| Cover material | Plastic, structured |
| Type of grid | None |
| 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 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) | 1200 mA |
| Nominal current (max) (mA) | 1200 mA |
| Type of control gear | LED operating device current-controlled |
| Protection class according to IEC 61140 | II |
| Suitable for lamp power (min) (W) | 45 W |
| Suitable for lamp power (max) (W) | 45 W |
| Luminaire efficacy (min) (lm/W) | 102 lm/W |
| Luminaire efficacy (max) (lm/W) | 102 lm/W |
| Maximum system power (W) | 45 W |
| Luminaire efficacy (lm/W) | 102 lm/W |
| Power factor | 0.9 |
| Total harmonic distortion (THD) (%) | 20 % |
| Total harmonic distortion | 20 THD |

| 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 | Open beam |
| Colour consistency (McAdam ellipse) | SDCM3 |
| Light outlet | Direct |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 4600 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 4600 lm |
| Colour of light (alphanumeric) | White |
| Effective luminous flux (lm) | 4600 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 | 60000 h |
| 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 % |
| Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%) | 80 % |
| 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) | 595 mm |
| Height/depth (mm) | 8.5 mm |
| Length (mm) | 595 mm |
| Built-in length (mm) | 600 mm |
| Built-in width (mm) | 600 mm |
| Built-in height/depth (mm) | 80 mm |