Optimus MP

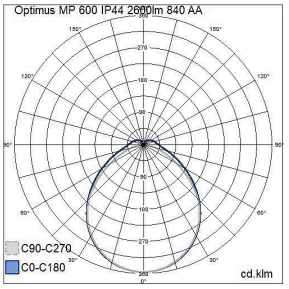
600 IP44 20W 2600lm AA

Industrial luminaire



Optimus MP is an excellent choice when you need a versatile and energy-efficient industrial luminaire. The luminaire has a low profile and a microprism diffuser that provides even light. The luminaire comes with a satin film that reduces glare and provides even light. You can increase the light output by removing the film. Optimus MP is suitable for industrial spaces, commercial buildings, warehouses, parking garages, carports, hallways and damp areas. The series has three different lengths and the power can be changed between four different options. The luminaire has an excellent lumen/watt ratio and lifespan.

Optimus MP Industrial luminaire 11W-20W 3000K/4000K 2600lm Dim programmable; ActiveAhead; IP44; IK07; Protection cl. I; L70B50 100000h; LED not exchangeable; CRI>80; SDCM3; Through-wired; 5x2.5mm²; Housing Steel; Colour wh; Cover Plastic, structured



Stocked: No

600 IP44 20W 2600lm AA			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
	A3OPAA-AA	1.5	Optimus MP

600 IP44 20W 2600lm AA

EC002892 Ceiling / wall luminaire

Mounting	
Suitable for wall mounting	Yes
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	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)	34
Max. number of luminaires per miniature circuit breaker B16	33
Max. number of luminaires per miniature circuit breaker C16	56
Impact strength	IK07
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	Through-wired
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	2
Lamp holder	Other
Housing material	Steel
Housing surface protection	Powder coating
Housing colour	White
Cover material	Plastic, structured
Type of grid	Matt
Control gear included	Yes
Exchangeable control gear	Yes
Energy efficiency class of light source according to EU regulation 2019/2015	B
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)	350 mA
Nominal current (max) (mA)	350 mA
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	I
Suitable for lamp power (min) (W)	20 W
Suitable for lamp power (max) (W)	20 W
Luminaire efficacy (min) (lm/W)	130 lm/W
Luminaire efficacy (max) (lm/W)	130 lm/W
Maximum system power (W)	20 W
Luminaire efficacy (lm/W)	130 lm/W
Power factor	0.9
Total harmonic distortion (THD) (%)	10 %
Total harmonic distortion	10 THD

Dimming and control	
Dimmable	Yes
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	Yes
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	No
With presence indicator	Yes
With movement sensor	Yes
Movement sensor/presence detector technology	Passive infrared
With light sensor	Yes
Constant luminous flux control	No
Bluetooth operated	Yes
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)	1430 lm
Rated luminous flux according to IEC 62722-2- 1 (max) (lm)	2600 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	2600 lm
Colour temperature (min) (K)	3000 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)	22
Colour temperature switchable	Discrete positions
Lumen setting adjustable	Continuously variable
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)	-25 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	50 °C

Measurements	
Width (mm)	155 mm
Height/depth (mm)	52 mm
Length (mm)	595 mm