PHILIPS

Lighting



Maxos LED

4MX850 491 LED66S/830 PSD WB WH

Maxos Led Industry - 1 unit for TL5 49 W - LED Module, system flux 6600 lm - 830 warm white - Power supply unit with DALI interface - Wide beam - White

Customers in the industrial and retail sectors are looking for general lighting solutions with a justifiable payback, while meeting all relevant norms for supermarkets and industry applications. For a limited investment, Maxos LED General Lighting offers best-in-class energy savings while delivering high lux levels at the required colour temperatures and glare factors.The minimalistic Maxos LED General Lighting system comprises exchangeable mid-power LED boards mounted on a standard Maxos trunking rail. A choice of wide and medium-beam lenses means flexibility in light distribution. Compared with a conventional fluorescent installation, this highly efficient LED solution offers full payback in less than three years. And the benefits keep coming: the use of our upgradable LED engine platform makes Maxos LED Industry a truly future-proof solution.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED66S [LED Module, system flux 6600 lm]
Beam angle of light source	120 °
Light source colour	830 warm white
Cap base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes

Optic type	WB [Wide beam]
Optical cover/lens type	PM [PMMA bowl/cover]
Luminaire light beam spread	90°
Control interface	DALI
Connection	Connection unit 5-pole
Cable	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	D [For mounting on easily flammable surfaces]
CE mark	CE mark

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ENEC mark	ENEC mark
UL mark	No
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark
Product Family Code	4MX850 [Maxos Led Industry]
Unified glare rating CEN	Not applicable

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	21 A
Inrush time	0.280 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Trunking length	491 [1 unit for TL5 49 W]
Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	1478 mm
Overall width	63 mm
Overall height	50 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	6600 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	161 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.43, 0.40) SDCM <3.5
Initial input power	44 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Not applicable

Product Data

Full product code	403073266693599
Order product name	4MX850 491 LED66S/830 PSD WB WH
EAN/UPC – product	4030732666935
Order code	66693599
Numerator – quantity per pack	1
Numerator – packs per outer box	3
Material no. (12NC)	910629160126
Net weight (piece)	1.765 kg

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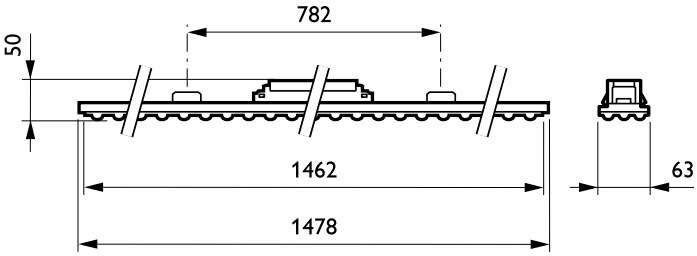
Dimensional drawing



Maxos LED electr. units 4MX850-883

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