PHILIPS Lighting



Maxos LED

4MX850 491 LED55S/830 PSU WB SI

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit (On/Off), Wide beam, Silver

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 Industry offers best-in-class energy savings while delivering high lux levels at the required colour temperatures and glare factors. The minimalistic Maxos LED Industry 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	
Lamp family code	LED55S [LED Module, system flux 5500 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Gear	_
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median

	useful life (B50) value also represents the B10
	value.
Product family code	4MX850 [Maxos Led Industry]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

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Light Technical	
Luminous Flux	5,500 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	157 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	Wide beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	90°
Unified Glare Rating (CEN)	Not applicable

220-240 V 50 to 60 Hz

17.8 A

0.9

0.282 ms 35 W

Connection unit 3-pole

Optical cover/lens finish	Clear
Overall length	1,478 mm
Overall width	63 mm
Overall height	50 mm
Dimensions (height x width x depth)	50 x 63 x 1478 mm

Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <3.5
Power consumption tolerance	+/-10%

Over Time Performance	(IEC Compliant)	

Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful	L80
life* 50,000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

Product Data Order product name

Order product name	4MX850 491 LED55S/830 PSU WB SI
Full product name	4MX850 491 LED55S/830 PSU WB SI
Full EOC	403073266530399
Order code	66530399
Material no. (12 NC)	910629151126
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	4030732665303
Numerator – packs per outer box	3
EAN/UPC - Case	4030732263431

Cable	-
Number of products on MCB of 16 A type	24

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Temperature		
Ambient temperature range	-20 to +35 °C	

Controls and Dimming

Operating and Electrical

Input Voltage

Inrush time

Connection

Line Frequency Inrush current

Power Consumption

Power Factor (Fraction)

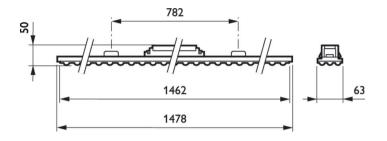
r supply unit (On/Off)

Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
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Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	Silver

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Dimensional drawing





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