PHILIPS Lighting



Maxos LED

4MX850 491 LED55S/830 PSU NB WH

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit (On/Off), Narrow 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 Industry offers best-in-class energy savings while delivering high lux levels at the required color 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	1 unit
Gear	-
Driver included	Yes
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.
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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Input Voltage

Line Frequency

Inrush current

Power Consumption

Inrush time

Light Technical	
Luminous Flux	5,500 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	157 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	Narrow beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	50°
Unified glare rating CEN	Not applicable
Operating and Electrical	

220-240 V

50 to 60 Hz

17.8 A

35 W

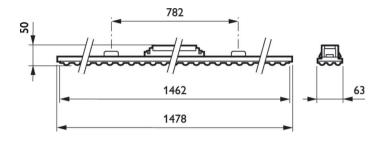
0.282 ms

Housing Color	White
Optical cover 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 Compli	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful	L80
life* 50000 h	
Application Conditions	
	25 ℃
Performance ambient temperature Tq	
Suitable for random switching	Not applicable
Product Data	
Order product name	
	4MX850 491 LED55S/830 PSU NB WH
Full product name	4MX850 491 LED55S/830 PSU NB WH 4MX850 491 LED55S/830 PSU NB WH
Full product code	4MX850 491 LED55S/830 PSU NB WH
Full product code Order code	4MX850 491 LED555/830 PSU NB WH 403073266520499
Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	4MX850 491 LED55S/830 PSU NB WH 403073266520499 66520499
Full product code Order code Material Nr. (12NC)	4MX850 491 LED555/830 PSU NB WH 403073266520499 66520499 910629150126
Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	4MX850 491 LED555/830 PSU NB WH 403073266520499 66520499 910629150126 1

Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type	24
В	
Temperature	
Ambient temperature range	-20 to +35 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	_
Optic material	Polymethyl methacrylate
Optic material Optical cover material	Polymethyl methacrylate Polymethyl methacrylate

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Dimensional drawing





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