PHILIPS Lighting



Maxos LED

4MX850 581 LED55S/840 PSD WB WH

Maxos Led Industry, Generation 4, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, Connection unit 5-pole, 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
CE mark	Yes
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.
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Service tag	Yes
Product family code	4MX850 [Maxos Led Industry]
Lighting Technology	LED

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ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Performance
Application Conditions	
Maximum dim level	1%
Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	5,500 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	169 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Optical cover/lens type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	90°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	32.5 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	24
Temperature	
Ambient temperature range	-20 to +35 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	-

Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Clear
Overall length	1,528 mm
Overall width	63 mm
Overall height	50 mm
Dimensions (Height x Width x Depth)	50 x 63 x 1528 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778

Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Product Data	
Full product code	403073266124499
Order product name	4MX850 581 LED55S/840 PSD WB WH
Order code	910629120726
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	910629120726

Full product name

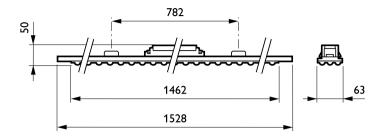
EAN/UPC - Case

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4030732256761

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Dimensional drawing





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