PHILIPS Lighting



Maxos LED

4MX850 581 LED55S/830 PSD WB SI

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit with DALI interface, 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 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]

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Lighting Technology	LED
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Performance
Application Conditions	
Maximum dim level	1%
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	5,200 lumen
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
ight source color	830 warm white
Optic type	Wide beam
Optical cover/lens type	Polymethyl methacrylate bowl/cover
uminaire light beam spread	90°
Jnified glare rating CEN	Not applicable
Operating and Electrical	
Line Frequency	50 to 60 Hz
nput Voltage	220-240 V
nrush 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 ℃
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI

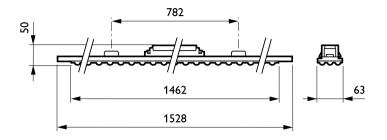
Housing Material

Steel

Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	Silver
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]
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	(0.43, 0.40) SDCM <3.5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%
Over Time Deufermanes (IEC Complia	
Over Time Performance (IEC Complia	
Control gear failure rate at median useful life 50000 h	5 %
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	403073266131299
Order product name	4MX850 581 LED55S/830 PSD WB SI
Order code	910629121426
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	910629121426
Full product name	4MX850 581 LED55S/830 PSD WB SI
EAN/UPC - Case	4030732256839
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Dimensional drawing





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