PHILIPS Lighting



Maxos LED

4MX850 581 LED55S/830 PSU NB SI

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit (On/Off), Narrow 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	
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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Operating and Electrical

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Number of products on MCB of 16 A type 24

Inrush time

Connection

Temperature

Dimmable

Ambient temperature range

Controls and Dimming

Constant light output

Housing Material

Reflector material Optic material

Optical cover material Fixation material

Driver/power unit/transformer

Mechanical and Housing

Cable

в

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

220-240 V

50 to 60 Hz

17.8 A

35 W

0.9

0.282 ms

-20 to +35 °C

Power supply unit (On/Off)

Polymethyl methacrylate Polymethyl methacrylate

No

No

Steel

Steel

Connection unit 3-pole

Housing Color	Silver	
Optical cover 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]	
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 50000 h		
Lumen maintenance at median useful	L80	
lifa* 50000 h		

life* 50000 h

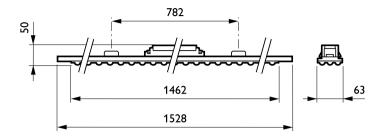
Application	Conditions

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

Product Data	
Order product name	4MX850 581 LED55S/830 PSU NB SI
Full product name	4MX850 581 LED55S/830 PSU NB SI
Full product code	403073266532799
Order code	66532799
Material Nr. (12NC)	910629151326
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732665327
Numerator - Packs per outer box	3
EAN/UPC - Case	4030732263455

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Dimensional drawing





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