



# 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 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]		useful life (B50) value also represents the B10 value.
Cap base	- [-]	Product family code	4MX850 [Maxos Led Industry]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	Unit	Value ladder	Performance
Gear	-	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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	Flammability mark	-
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 650 °C, duration 30 s
		EU RoHS compliant	Yes

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<b>Light Technical</b>	
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	Narrow beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	50°
Unified Glare Rating (CEN)	Not applicable

<b>Operating and Electrical</b>	
Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Inrush current	17.8 A
Inrush time	0.282 ms
Power Consumption	35 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	24

<b>Temperature</b>	
Ambient temperature range	-20 to +35 °C

<b>Controls and Dimming</b>	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

<b>Mechanical and Housing</b>	
Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	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

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

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

<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

<b>Product Data</b>	
Order product name	4MX850 581 LED55S/830 PSU NB SI
Full product name	4MX850 581 LED55S/830 PSU NB SI
Full EOC	403073266532799
Order code	66532799
Material no. (12 NC)	910629151326
SAP 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

