



Maxos LED

4MX850 491 LED55S/830 PSU A20 SI

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit (On/Off), Asymmetrical mirror axis angle 20°, 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]	maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Cap base	- [-]		
Light source replaceable	No		
Number of gear units	Unit		
Gear	-		
Driver included	Yes	Product family code	4MX850 [Maxos Led Industry]
Remarks	* - According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen	Lighting Technology	LED
		Value ladder	Performance
		CE mark	Yes
		Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark

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Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

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	Asymmetrical mirror axis angle 20°
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	20°
Unified Glare Rating (CEN)	Not applicable

Operating and Electrical

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

Temperature

Ambient temperature range	-20 to +35 °C
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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
Optical cover/lens material	Polymethyl methacrylate

Fixation material	Steel
Housing Colour	Silver
Optical cover/lens 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 Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

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

Product Data

Order product name	4MX850 491 LED55S/830 PSU A20 SI
Full product name	4MX850 491 LED55S/830 PSU A20 SI
Full EOC	403073266764299
Order code	66764299
Material no. (12 NC)	910629161526
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	4030732667642
Numerator – packs per outer box	3
EAN/UPC – Case	4030732266227

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Dimensional drawing

