



Maxos LED

4MX850 491 LED55S/840 PSD A20 SI

Maxos Led Industry, Generation 3, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, 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]	
Light source replaceable	No	
Number of gear units	Unit	
Gear	-	
Driver included	Yes	
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 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	

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EU RoHS compliant	Yes
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Light Technical

Luminous Flux	5,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	169 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	840 neutral 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	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
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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 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]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 100,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Order product name	4MX850 491 LED55S/840 PSD A20 SI
Full product name	4MX850 491 LED55S/840 PSD A20 SI
Full EOC	403073266758199
Order code	66758199
Material no. (12 NC)	910629160926
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	4030732667581
Numerator – packs per outer box	3
EAN/UPC – Case	4030732266166

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Dimensional drawing

