



Maxos LED

4MX850 491 LED55S/840 PSU DA20 SI

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit (On/Off), Double asymmetric optic 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 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		

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EU RoHS compliant	Yes
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Light Technical

Luminous Flux	5,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	167 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Double asymmetric optic 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	33 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 material	Polymethyl methacrylate

Fixation material	Steel
Housing Color	Silver
Optical cover 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	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

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

Product Data

Order product name	4MX850 491 LED55S/840 PSU DA20 SI
Full product name	4MX850 491 LED55S/840 PSU DA20 SI
Full product code	403073266559499
Order code	66559499
Material Nr. (12NC)	910629153826
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732665594
Numerator - Packs per outer box	3
EAN/UPC - Case	4030732263745

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Dimensional drawing

