



# 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 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
CE mark	Yes
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.
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Service tag	Yes
Product family code	4MX850 [Maxos Led Industry]
Lighting Technology	LED

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ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Performance

## Application Conditions

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

## Light Technical

Luminous Flux	5,500 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	169 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	Asymmetrical mirror axis angle 20°
Optical cover/lens type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	20°
Unified glare rating CEN	Not applicable

## Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
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 Color	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)

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

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

## Product Data

Full product code	403073266758199
Order product name	4MX850 491 LED55S/840 PSD A20 SI
Order code	910629160926
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	910629160926
Full product name	4MX850 491 LED55S/840 PSD A20 SI
EAN/UPC - Case	4030732266166

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### Dimensional drawing

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