



Maxos LED

4MX850 491 LED80S/840 PSD WB SI

Maxos Led Industry - 840 neutral white - Power supply unit with DALI interface - Wide beam - Connection unit 5-pole - 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			
Beam angle of light source	120 °	Connection	CU5 [Connection unit 5-pole]
Light source color	840 neutral white	Cable	-
Light source replaceable	No	Protection class IEC	Safety class I (I)
Number of gear units	1 unit	Glow-wire test	650/30 [Temperature 650 °C, duration 30 s]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	Flammability mark	NO [-]
Driver included	Yes	CE mark	CE mark
Optic type	WB [Wide beam]	ENEC mark	ENEC mark
Luminaire light beam spread	90°	Warranty period	5 years
Control interface	DALI	Constant light output	No
		Number of products on MCB of 16 A type B	24

Maxos LED

Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Service tag	Yes
Product family code	4MX850 [Maxos Led Industry]
Unified glare rating CEN	Not applicable

Light Technical

Saturated Red (R9)	<50
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Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	21 A
Inrush time	280 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	1478 mm
Overall width	63 mm
Overall height	50 mm
Color	Silver
Dimensions (Height x Width x Depth)	50 x 63 x 1478 mm (2 x 2.5 x 58.2 in)

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	8000 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	151 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Initial input power	53 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

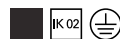
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	-
35000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Lumen maintenance at median useful life*	-
75000 h	
Lumen maintenance at median useful life*	-
100000 h	

Application Conditions

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

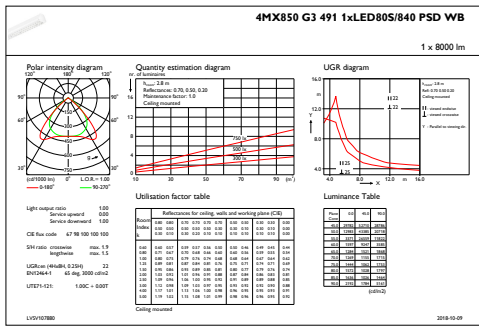
Product Data

Full product code	871869908008299
Order product name	4MX850 491 LED80S/840 PSD WB SI
EAN/UPC - Product	8718699080082
Order code	08008299
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	910500460502
Net Weight (Piece)	1.765 kg

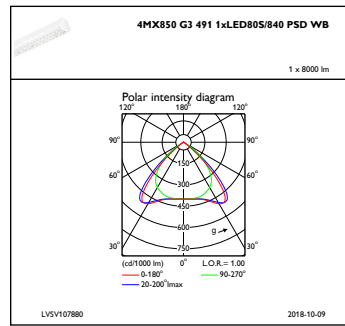


Maxos LED electr. units 4MX850-883

Photometric data



IFGU1_4MX850G34911xLED80S840PSDWB



IFPC1_4MX850G34911xLED80S840PSDWB

