

Maxos LED Performer

4MX900 491 LED50S/840 PSD MB WH

Maxos LED Performer - Generation 3 - 1 unit for TL5 49 W - LED Module, system flux 5000 lm - 840 neutral white - Power supply unit with DALI interface - Medium beam - White

Customers want to save energy and reduce cost compared to what they are used to with conventional lighting. At the same time, excellent lighting conditions are needed: in industrial environments, to guarantee safety and productivity; and in retail environments, to make the merchandise stand out and attract shoppers.Maxos LED Performer is an extremely flexible solution that delivers low energy consumption and excellent beam shaping at an attractive investment level.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED50S [LED Module, system flux 5000 lm]
Beam angle of light source	120 °
Light source colour	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	MB [Medium beam]
Luminaire light beam spread	70°
Emergency lighting	No [-]
Control interface	DALI
Connection	Connection unit 5-pole
Cable	-
Protection class IEC	Safety class I

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	D [For mounting on easily flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
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.
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark
Product Family Code	4MX900 [Maxos LED Performer]

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Unified glare rating CEN	Not applicable

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	21 A
Inrush time	0.280 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Trunking length	491 [1 unit for TL5 49 W]
Housing material	Aluminium
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	1479 mm
Overall width	87 mm
Overall height	82 mm

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	5000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	141 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Initial input power	35.5 W
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

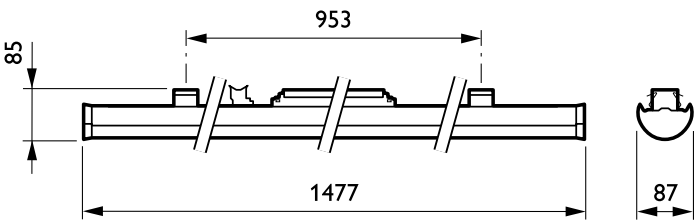
Application Conditions

Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Not applicable

Product Data

Full product code	403073266629499
Order product name	4MX900 491 LED50S/840 PSD MB WH
EAN/UPC – product	4030732666294
Order code	66629499
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	910629144926
Net weight (piece)	2.345 kg

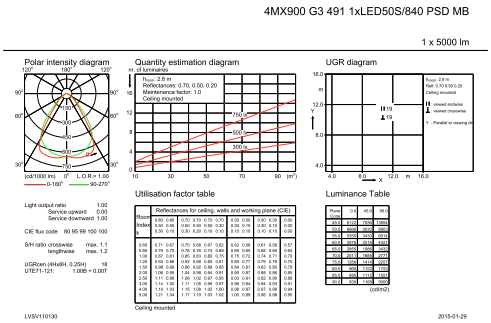
Dimensional drawing



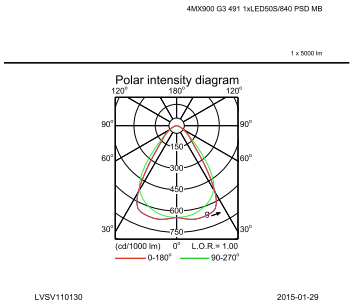
Maxos LED Performer 4MX900-933

Maxos LED Performer

Photometric data



IFGU1_4MX900 G3 491 1xLED50S840 PSD MB.EPS



IFPC1_4MX900 G3 491 1xLED50S840 PSD MB.EPS

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