



# Maxos LED Performer

## 4MX900 491 LED50S/840 PSD NB 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 - Narrow 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]	Glow-wire test	650/30 [ Temperature 650 °C, duration 30 s]
Lamp family code	LED50S [ LED module, system flux 5000 lm]	Flammability mark	NO [ -]
Beam angle of light source	120 °	CE mark	CE mark
Light source color	840 neutral white	ENEC mark	ENEC mark
Light source replaceable	No	Warranty period	5 years
Number of gear units	1 unit	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.
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	Constant light output	No
Driver included	Yes	Number of products on MCB of 16 A type B	29
Optic type	NB [ Narrow beam]	Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Luminaire light beam spread	34°		
Emergency lighting	No [ -]		
Control interface	DALI		
Connection	CU5 [ Connection unit 5-pole]		
Cable	-		
Protection class IEC	Safety class I (I)		

# Maxos LED Performer

EU RoHS compliant	Yes
Service tag	Yes
Product family code	4MX900 [ Maxos LED Performer]
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
Control signal voltage	0-16 V DC DALI
Inrush current	21 A
Inrush time	0.192 ms
Power Factor (Min)	0.9

## Controls and dimming

Dimmable	Yes
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## Mechanical and housing

Trunking length	491 [ 1 unit for TL5 49 W]
Housing Material	Aluminum
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
Color	White
Dimensions (Height x Width x Depth)	82 x 87 x 1479 mm

## Approval and application

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

## Initial performance (IEC compliant)

Initial luminous flux (system flux)	5000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	155 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	32.2 W
Power consumption tolerance	+/-10%

## Over time performance (IEC compliant)

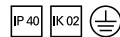
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* L90	50000 h
Lumen maintenance at median useful life* L80	100000 h

## Application conditions

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

## Product data

Full product code	403073266630099
Order product name	4MX900 491 LED50S/840 PSD NB WH
EAN/UPC - Product	4030732666300
Order code	66630099
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	910629145026
Net Weight (Piece)	2.400 kg



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## Dimensional drawing

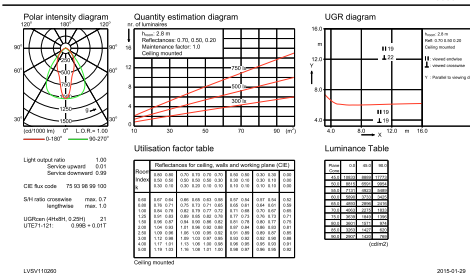
953

### 4MX900 491 LED50S/840 PSD NB WH

## Photometric data

4MX900 G3 491 1xLED50S/840 PSD NB

1 x 5000 lm



### IFGU\_4MX900 G3 491 1xLED50S/840 PSD NB-General uniform lighting

### IFPC1\_4MX900 G3 491 1xLED50S840 PSD NB.EPS

