



Maxos LED Performer

4MX900 LED90S/840 PSD DA20 WH L1800

Maxos LED Performer - Generation 3 - LED module, system flux 9000 lm - 840 neutral white - Power supply unit with DALI interface - Double asymmetric optic 20° - 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	LED90S [LED module, system flux 9000 lm]	Flammability mark	NO [-]
Beam angle of light source	120 °	CE mark	CE mark
Light source colour	840 neutral white	ENEC mark	ENEC mark
Light source replaceable	No	Warranty period	5 years
Number of gear units	1 unit	Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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 (16 A type B)	18
Optic type	DA20 [Double asymmetric optic 20°]		
Luminaire light beam spread	20°		
Emergency lighting	No [-]		
Control interface	DALI		
Connection	CU5 [Connection unit 5-pole]		
Cable	-		
Protection class IEC	Safety class I (I)		

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EU RoHS compliant	Yes
Product family code	4MX900 [Maxos LED Performer]
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	4.5 A
Inrush time	0.065 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Trunking length	No [-]
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	1800 mm
Overall width	87 mm
Overall height	82 mm
Colour	White
Dimensions (height x width x depth)	82 x 87 x 1800 mm (3.2 x 3.4 x 70.9 in)

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 (system flux)	9000 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	134 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	67 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

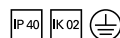
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

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	403073266463499
Order product name	4MX900 LED90S/840 PSD DA20 WH L1800
EAN/UPC – product	4030732664634
Order code	66463499
SAP numerator – quantity per pack	1
Numerator – packs per outer box	2
SAP material	910629139126
SAP net weight (piece)	2.900 kg



Dimensional drawing

590

500

590

953

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