



Maxos LED Performer

4MX900 491 LED40S/840 PSD-CLO WB WH

Maxos LED Performer, LED module, system flux 4000 lm,
Power supply unit with DALI interface and constant light output,
Wide beam, Constant light output

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		Lighting Technology	
Lamp family code	LED40S [LED module, system flux 4000 lm]	Value ladder	LED
Light source replaceable	No	Embedded control	Performance
Number of gear units	1 unit	CE mark	Constant light output
Driver included	Yes	Warranty period	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	5 years
Service tag	Yes	ENEC mark	-
Product family code	4MX900 [Maxos LED Performer]	Glow-wire test	ENEC mark
		EU RoHS compliant	Temperature 650 °C, duration 30 s
		Light Technical	
		Luminous Flux	Yes
		Saturated Red (R9)	4,000 lm
		Correlated Color Temperature (Nom)	<50
		Luminous Efficacy (rated) (Nom)	4000 K
		Color rendering index (CRI)	159 lm/W
			≥80

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Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	90°
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	23.6 W
Average CLO power consumption	26.5 W
Inrush current	20.9 A
Inrush time	0.192 ms
Power Consumption	25.2 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	29

Temperature

Ambient temperature range	-20 to +40 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface and constant light output
Control interface	DALI
Constant light output	Yes

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover finish	Clear
Overall length	1,479 mm
Overall width	87 mm
Overall height	82 mm
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	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

Initial Performance (IEC Compliant)

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

Application Conditions

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

Product Data

Order product name	4MX900 491 LED40S/840 PSD-CLO WB WH
Full product name	4MX900 491 LED40S/840 PSD-CLO WB WH
Full product code	871869685351199
Order code	910500457793
Material Nr. (12NC)	910500457793
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696853511
Numerator - Packs per outer box	2
EAN/UPC - Case	8718696854808

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Dimensional drawing

