



Maxos LED Performer

4MX900 581 LED50S/840 PSD-CLO WB WH

Maxos LED Performer, LED module, system flux 5000 lm, 840 neutral white, Power supply unit with DALI interface and constant light output, Wide beam, Constant light output, 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			
Lamp family code	LED50S [LED module, system flux 5000 lm]	Embedded control	Constant light output
Light source replaceable	No	CE mark	Yes
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Flammability mark	-
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.	ENEC mark	ENEC mark
Service tag	Yes	Glow-wire test	Temperature 650 °C, duration 30 s
Product family code	4MX900 [Maxos LED Performer]	EU RoHS compliant	Yes
Lighting Technology	LED	Light Technical	
Value ladder	Performance	Luminous Flux	5,000 lm
		Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	141 lm/W
		Color rendering index (CRI)	≥80
		Beam angle of light source	120 degree(s)
		Light source color	840 neutral white
		Optic type	Wide beam

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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	30.4 W
Average CLO power consumption	34.2 W
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	35.5 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

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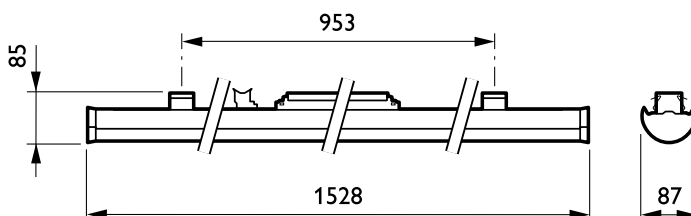
Controls and Dimming

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	1,530 mm
Overall width	87 mm

Dimensional drawing



Overall height	82 mm
Dimensions (Height x Width x Depth)	82 x 87 x 1530 mm

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

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 %
Lumen maintenance at median useful life* 50000 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 581 LED50S/840 PSD-CLO WB WH
Full product name	4MX900 581 LED50S/840 PSD-CLO WB WH
Full product code	871869687966599
Order code	910500458124
Material Nr. (12NC)	910500458124
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696879665
Numerator - Packs per outer box	2
EAN/UPC - Case	8718696879740

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