

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	
Lamp family code	LED90S [LED module, system flux 9000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	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.
Service tag	Yes
Product family code	4MX900 [Maxos LED Performer]

Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	9,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1

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Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Double asymmetric optic 20°
Luminaire light beam spread	20°
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	25 A
Inrush time	0.230 ms
Power Consumption	60.1 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	-20 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

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	1,800 mm
Overall width	87 mm
Overall height	82 mm
Dimensions (Height x Width x Depth)	82 x 87 x 1800 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

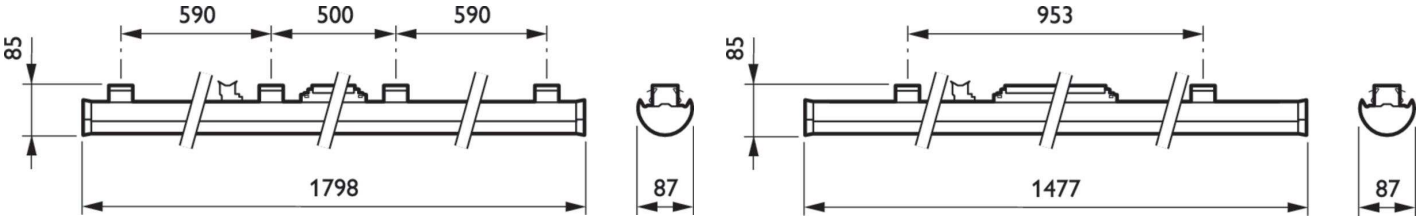
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Order product name	4MX900 LED90S/840 PSD DA20 WH L1800
Full product name	4MX900 LED90S/840 PSD DA20 WH L1800
Full product code	403073266463499
Order code	910629139126
Material Nr. (12NC)	910629139126
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732664634
Numerator - Packs per outer box	2
EAN/UPC - Case	4030732262458

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Dimensional drawing



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