# **PHILIPS** Lighting



# **Maxos LED Performer**

# 4MX900 LED90S/830 PSD WB SI L1800

Maxos LED Performer, LED module, system flux 9000 lm, 830 warm white, Power supply unit with DALI interface, Wide beam, Silver

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)	3000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1

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Beam angle of light source	120 degree(s)
	830 warm white
Light source color Optic type	Wide beam
	90°
Luminaire light beam spread	
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	Silver
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
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	(0.43, 0.40) SDCM <3.5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%

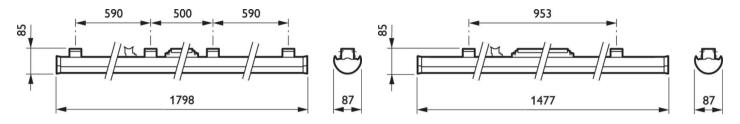
Product Data	
Order product name	4MX900 LED90S/830 PSD WB SI L1800
Full product name	4MX900 LED90S/830 PSD WB SI L1800
Full product code	403073266456699
Order code	66456699
Material Nr. (12NC)	910629138426
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732664566
Numerator - Packs per outer box	2
EAN/UPC - Case	4030732262380

Not applicable

Suitable for random switching

## **Maxos LED Performer**

Dimensional drawing





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