# **PHILIPS** Lighting



# **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
	1,800 mm
Overall length	
Overall length Overall width	87 mm
-	

	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	5 %	
life 50000 h		
Control gear failure rate at median useful	10 %	
life 100000 h		
Lumen maintenance at median useful life*	L90	
50000 h		
Lumen maintenance at median useful life*	L80	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
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	66463499	
Material Nr. (12NC)	910629139126	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	4030732664634	
Numerator - Packs per outer box	2	
EAN/UPC - Case	4030732262458	

IK02 [0.2 J standard]

Photobiological risk group 0 @200mm to

Safety class I

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Mech. impact protection code

Sustainability rating

Protection class IEC

Photobiological risk

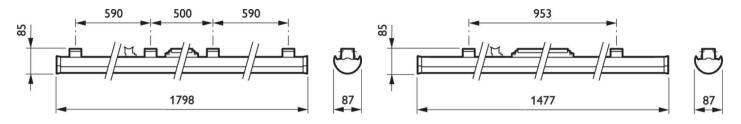
## Approval and Application

Ingress protection code

IP40 [Wire-protected]

# **Maxos LED Performer**

Dimensional drawing





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