



Maxos LED Performer

4MX900 LED90S/840 PSD MB WH L1800

Maxos LED Performer, Generation 3, LED module, system flux 9000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, 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	

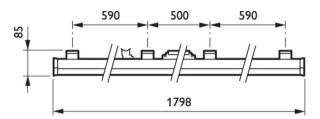
Datasheet, 2023, April 19 data subject to change

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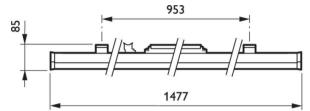
Beam angle of light source	120 degree(s)	Mech. impact protection code	IK02 [0.2 J standard]
Light source color	840 neutral white	Sustainability rating	-
Optic type	Medium beam	Protection class IEC	Safety class I
Luminaire light beam spread	70°	Photobiological risk	Photobiological risk group 0 @200mm to
Unified glare rating CEN	Not applicable		EN62778
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-10%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <3.5
Inrush current	25 A	Power consumption tolerance	+/-10%
Inrush time	0.230 ms		
Power Consumption	60.1 W	Over Time Performance (IEC Complia	ant)
Power Factor (Fraction)	0.9	Control gear failure rate at median useful	5 %
Connection	Connection unit 5-pole	life 50000 h	
Cable	-	Control gear failure rate at median useful	10 %
Number of products on MCB of 16 A type B	3 20	life 100000 h	
		Lumen maintenance at median useful life*	L90
Temperature		50000 h	
Ambient temperature range	-20 to +40 °C	Lumen maintenance at median useful life*	L80
		100000 h	
Controls and Dimming			
Dimmable	Yes	Application Conditions	
Driver/power unit/transformer	Power supply unit with DALI interface	Performance ambient temperature Tq	25 ℃
Control interface	DALI	Maximum dim level	1%
Constant light output	No	Suitable for random switching	Not applicable
Mechanical and Housing		Product Data	
Housing Material	Aluminum	Order product name	4MX900 LED90S/840 PSD MB WH L1800
Reflector material	-	Full product name	4MX900 LED90S/840 PSD MB WH L1800
Optic material	Polymethyl methacrylate	Full product code	403073266461099
Optical cover material	Polymethyl methacrylate	Order code	66461099
Fixation material	Steel	Material Nr. (12NC)	910629138926
Housing Color	White	Numerator - Quantity Per Pack	1
Optical cover finish	Clear	EAN/UPC - Product/Case	4030732664610
Overall length	1,800 mm	Numerator - Packs per outer box	2
Overall width	87 mm	EAN/UPC - Case	4030732262434
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]		
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Dimensional drawing









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