PHILIPS Lighting



Maxos LED Performer

4MX900 491 LED75S/840 PSD MB WH

Maxos LED Performer, Generation 3, LED Module, system flux 7500 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	LED75S [LED Module, system flux 7500 lm]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe
	guidance paper 'Evaluating performance of
	LED based luminaires – January 2018':
	statistically there is no relevant difference
	in lumen maintenance between the B50
	and, for example, the B10. Therefore, the
	median useful life (B50) value also
	represents the B10 value.
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	7,500 lm
Saturated Red (R9)	<50
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	149 lm/W
Colour rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white

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Optic type	Medium beam
Luminaire light beam spread	70°
Unified Glare Rating (CEN)	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.192 ms
Power Consumption	50.2 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	29

-20 to +40 °C

Power supply unit with DALI interface

Yes

DALI

No

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	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L90
50,000 h	
Lumen maintenance at median useful life*	L80
100,000 h	
Application Conditions	

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

Product Data	
Order product name	4MX900 491 LED75S/840 PSD MB WH
Full product name	4MX900 491 LED75S/840 PSD MB WH
Full EOC	403073266801499
Order code	66801499
Material no. (12 NC)	910629171426
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	4030732668014
Numerator – packs per outer box	2
EAN/UPC - Case	4030732266715

Mechanical and Housing

Ambient temperature range

Controls and Dimming

Driver/power unit/transformer

Temperature

Dimmable

Control interface

Constant light output

Housing material	Aluminium
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Clear
Overall length	1,479 mm
Overall width	87 mm
Overall height	82 mm
Dimensions (height x width x depth)	82 x 87 x 1479 mm
Approval and Application	

IP40 [Wire-protected]

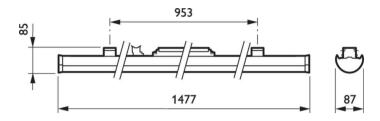
Approval and Application

Ingress protection code

Datasheet, 2023, April 16

Maxos LED Performer

Dimensional drawing





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