



Maxos LED Performer

4MX900 491 LED50S/840 PSU WB WH

Maxos LED Performer, Trunking light panel, 32.2 W, L1479 mm, 5000 lm, 4000 K, Wide beam, Clear, White, IP40

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		Saturated Red (R9)	
Lamp family code	LED50S [LED module, system flux 5000 lm]		<50
Light source replaceable	No	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	155 lm/W
Driver included	Yes	Color rendering index (CRI)	>80
Service tag	Yes	Number of light sources	1
Lighting Technology	LED	Beam angle of light source	120 degree(s)
Value ladder	Performance	Light source color	840 neutral white
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts	Optic type	Wide beam
Warranty period	5 years	Luminaire light beam spread	90°
Sustainability rating	Unclassified	Unified glare rating CEN	Not applicable
Light Technical		Sustainability Data	
Luminous Flux	5,000 lm	Product non-virgin material ratio	7.26 %
		GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kWh)

Maxos LED Performer

GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
--	---

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	17.8 A
Inrush time	0.282 ms
Power Consumption	32.2 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

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	1,479 mm
Overall width	87 mm
Overall height	82 mm
Dimensions (Height x Width x Depth)	82 x 87 x 1479 mm
Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	2.500 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-

CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤4

Over Time Performance (IEC Compliant)

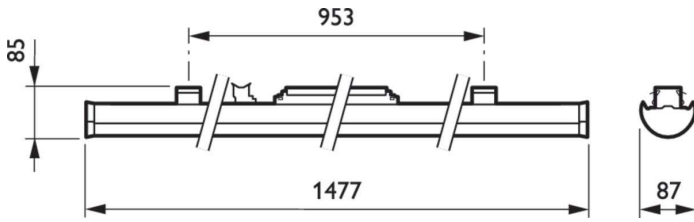
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Product Data

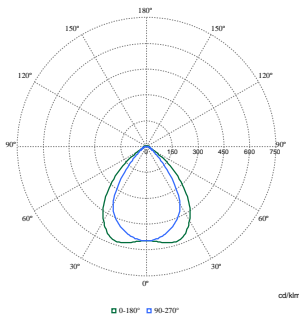
Order product name	4MX900 491 LED50S/840 PSU WB WH
Full product name	4MX900 491 LED50S/840 PSU WB WH
Full product code	403073266644799
Order code	910629146426
Material Nr. (12NC)	910629146426
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732666447
Numerator - Packs per outer box	2
EAN/UPC - Case	4030732264612
Product family code	4MX900 [Maxos LED Performer]

Maxos LED Performer

Dimensional drawing



Photometric data



Polar Normal (separate) - 4MX9001 - 910629146426

