



Maxos LED Performer – efficient and precise line lighting

Maxos LED Performer

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.

Benefits

- Extremely fast payback
- Breakthrough optical system for precise beam shaping
- Flexible in terms of retrofits, spots, changes, accessories

Features

- Low energy consumption compared to fluorescent
- Excellent beam shaping for less spill light and exact light distribution in horizontal and vertical planes
- Proven Philips LED engines (Fortimo)
- Can be mounted, new or retrofit, onto a Maxos rail
- Also available in a flexible panel version 4MX800 or high-efficiency version 4MX850

Application

- Supermarkets
- Warehouses
- Production facilities

Specifications

Maxos LED Performer

Type	4MX900
Light source	Philips Fortimo LED Line 1R
Power	1.2 m version: 27 to 53 W
	1.5 m version: 31 to 65 W
	1.8 m version: 40 to 78 W
Beam angle	2 x 50° (Wide beam)
	2 x 34° (Medium beam)
	2 x 25° (Narrow beam)
	2 x 20° DA-20 (Double asymmetric)
	2 x 30° DA-30 (Double asymmetric)
	1 x 30° A-30 (Asymmetric)
Luminous flux	1.2 m version: 3200 or 6000 lm
	1.5 m version: 4000, 5000 or 7500 lm
	1.8 m version: 4800, 6000 or 9000 lm
Correlated Colour Temperature	3000 or 4000 K
Colour Rendering Index	> 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours

Driver failure rate	1% per 5000 hours
Average ambient temperature	+25 °C
Operating temperature range	-20 to +35 °C
Driver	Philips Xitanium
Power/Data supply	27 to 78 W depending on the version
Mains voltage	220-240 V / 50-60 Hz
Options	EL3 central or with battery possible
Dimming	DALI dimmable and fixed output versions
Controls system input	DALI
Material	Gear tray: sheet metal
	Lens plate: PMMA, PC for EL3 versions
Colour	White (WH)
	Silver (SI)
Optical cover	PMMA, PC (for EL3 versions)
Connection	Electrical contact via standard Maxos through-wiring connector
Maintenance	Module can be clicked out, driver can be serviced
Installation	Fixation of the 4MX900 unit on the Maxos trunking with springs
	Suspended or surface (ceiling) mounted
Accessories	Maxos accessory range

Versions



4MX900

Product details

IPPG_4MX900i_0003-
Productguide photo

Image
not yet
available

IPDP_4MX900i_0001-Detail
photo



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Product details



IPDP_4MX900i_0003-Detail
photo



IPDP_4MX900i_0011-Detail
photo



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Application Conditions

Ambient temperature range	-20 to +40 °C
Suitable for random switching	Not applicable

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP40

Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Beam angle of light source	120 °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
Emergency lighting	No
ENEC mark	ENEC mark
Flammability mark	NO
Glow-wire test	650/30
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Product family code	4MX900

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3.5
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	White
Trunking length	No

Application Conditions

Order Code	Full Product Name	Maximum dimming level
910629139126	4MX900 LED90S/840 PSD DA20 WH L1800	1%
910629143226	4MX900 LED40S/840 PSU WB WH L1200	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
910629139126	4MX900 LED90S/840 PSD DA20 WH L1800	Yes

Order Code	Full Product Name	Dimmable
910629143226	4MX900 LED40S/840 PSU WB WH L1200	No

General Information

Order Code	Full Product Name	Lamp family code	Optic type
910629139126	4MX900 LED90S/840 PSD DA20 WH L1800	LED90S	DA20

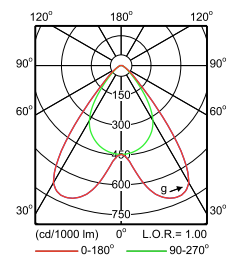
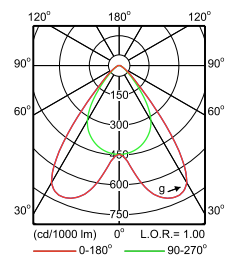
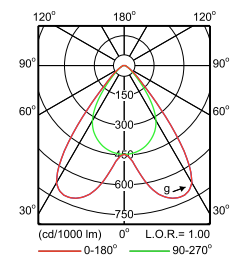
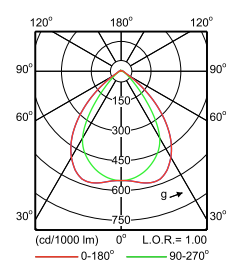
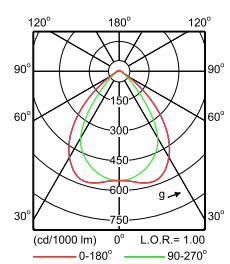
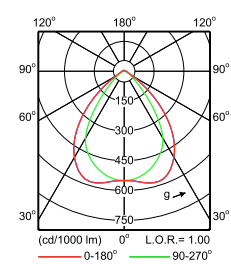
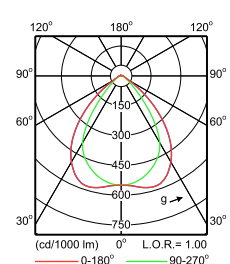
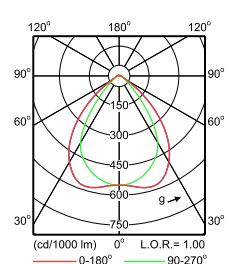
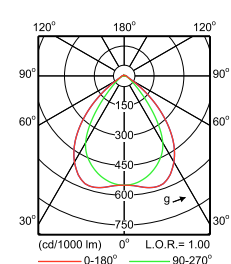
Order Code	Full Product Name	Lamp family code	Optic type
910629143226	4MX900 LED40S/840 PSU WB WH L1200	LED40S	WB

Initial Performance (IEC Compliant)

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Initial LED					Initial LED				
Order Code	Full Product Name	luminaire efficacy	Initial luminous flux	Initial input power	Order Code	Full Product Name	luminaire efficacy	Initial luminous flux	Initial input power
910629139126	4MX900 LED90S/840	134 lm/W	9000 lm	67 W	910629143226	4MX900 LED40S/840	143 lm/W	4000 lm	28 W
PSD DA20 WH L1800					PSU WB WH L1200				

Polar Wide Diagrams

 <p>IFPS_4MX900 L1800 1xLED48S/840 PSD DA20-Polar Normal (separate)</p>	 <p>IFPS_4MX900 L1800 1xLED60S/840 PSD DA20-Polar Normal (separate)</p>	 <p>IFPS_4MX900 L1800 1xLED90S/840 PSD DA20-Polar Normal (separate)</p>
 <p>IFPS_4MX900 L1200 1xLED32S/840 PSU WB- Polar Normal (separate)</p>	 <p>IFPS_4MX900 L1200 1xLED40S/830 PSU WB- Polar Normal (separate)</p>	 <p>IFPS_4MX900 L1200 1xLED40S/840 PSU WB- Polar Normal (separate)</p>
 <p>IFPS_4MX900 L1200 1xLED57S/830 PSU WB- Polar Normal (separate)</p>	 <p>IFPS_4MX900 G3 L1200 1xLED40S/840 PSU WB-Polar Normal (separate)</p>	 <p>IFPS_4MX900 G3 L1200 1xLED60S/840 PSU WB-Polar Normal (separate)</p>

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