



Maxos LED General Lighting – innovative, flexible solution delivers ideal light output

Maxos LED

Customers in the industrial and retail sectors are looking for general lighting solutions with a justifiable payback, while meeting all relevant norms for supermarkets and industry applications. For a limited investment, Maxos LED General Lighting offers best-in-class energy savings while delivering high lux levels at the required colour temperatures and glare factors. The minimalistic Maxos LED General Lighting system comprises exchangeable mid-power LED boards mounted on a standard Maxos trunking rail. A choice of wide and medium-beam lenses means flexibility in light distribution. Compared with a conventional fluorescent installation, this highly efficient LED solution offers full payback in less than three years. And the benefits keep coming: the use of our upgradable LED engine platform makes Maxos LED Industry a truly future-proof solution.

Benefits

- Substantial energy savings for a limited investment
- Comfortable light, long lifetime
- Compatibility with proven Maxos trunking system

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Features

- Mid-power LED boards; exchangeable LED unit
- Up to 138 lm/W efficiency
- LED gear trays for T5 and TL-D-length trunkings (high lumen output); replacement LED gear trays with same lumen packages as installed T5 and TL-D solutions (lower wattage)
- Choice of narrow, medium, double asymmetric and asymmetric lenses
- Compatible with our standard Maxos and TTX400 rails for TL5 49 W and TL-D 58 W lengths

Application

- Industry
- Warehouses
- Supermarkets, DIY stores, electronics retailers
- Showrooms

Specifications

Type	4MX850
Light source	Philips Fortimo LEDline 3R
Power	27 W (4000 lm, 4000 K)
	39 W (5500 lm, 4000 K)
	48 W (6600 lm, 4000 K)
	60 W (8000 lm, 4000 K)
Beam angle	2 x 50° (wide beam)
	2 x 25° (narrow beam)
	A20° (asymmetric)
	DA20° (double asymmetric)
	2 x DA35° (double asymmetric)
Luminous flux	Up to 6600 lumen
Correlated Color Temperature	3000, 4000 or 5000 K
Color 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	Xitanium, easy to replace
Power/Data supply	75 Watt (max power), programmable
Mains voltage	220-240 V / 50-60 Hz
Dimming	DALI dimmable and fixed output versions
Options	Emergency lighting: central (EL) or with battery (EL3)
Material	Gear tray: sheet metal
	Lens plate: PMMA
Color	White (WH) and silver (SI)
Connection	Electrical contact via standard Maxos through-wiring connector
Maintenance	Via clicking out the gear unit from the rail
Installation	Fixation of the 4MX850 unit on the Maxos trunking with springs
	Suspended or surface (ceiling) mounted
Remarks	No exchange of bare LED engines, only the complete 4MX850 unit (1.5 m in length)

Versions



Maxos LED

Product details



Application Conditions

Ambient temperature range	-20 to +35 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220-240 V
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General Information

Beam angle of light source	120 °
Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	PM
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	D
Gear	-
Glow-wire test	650/30
Lamp family code	LED55S
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	NB
Product Family Code	4MX850
UL mark	No

Initial Performance (IEC Compliant)

Initial chromaticy	(0.43, 0.40) SDCM <3.5
Init. Corr. Colour Temperature	3000 K
Init. Colour Rendering Index	≥80
Initial LED luminaire efficacy	157 lm/W
Initial luminous flux	5500 lm
Luminous flux tolerance	+/-10%
Initial input power	35 W

Mechanical and Housing

Colour	White
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Mechanical and Housing

Order Code	Full Product Name	Trunking length
910629120026	4MX850 491 LED55S/830 PSD NB WH	491
910629120426	4MX850 581 LED55S/830 PSD NB WH	581

