



# Maxos fusion

## LL612X LED61S/840 PSD MB 7 WH

Maxos fusion IP54 Panel, 840 neutral white, Power supply unit with DALI interface, Medium beam, White

Maxos fusion is an adaptable LED trunking system that offers an excellent quality of light while more than halving energy costs compared to fluorescent lamps. For retail applications, a family of linear panels, non-linear modules and a spot portfolio can be smoothly integrated into the track backbone to let your merchandise sparkle and stand out. For industrial applications, the focus is on reducing installation and maintenance cost by using fewer linear panels. With an electrical set-up of up to 13 wires, the freedom to position these fixtures as required and the integration of other services/third-party hardware, the system allows you to reduce ceiling clutter. It can also be easily re-configured to accommodate future layout changes. The infrastructure is enabled to integrate sensors for data collection, giving you the opportunity to use insightful granular information to support your business.

### Product data

General Information	
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	LL612X [Maxos fusion IP54 Panel]

Lighting Technology	LED
Value ladder	Specification
Explosion hazard class	-
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes



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<b>Light Technical</b>	
Luminous Flux	6,150 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	136 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Medium beam
Luminaire light beam spread	66° x 80°
Unified Glare Rating (CEN)	22

<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Inrush current	25.1 A
Inrush time	0.214 ms
Power Consumption	45 W
Power Factor (Fraction)	0.98
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	21

<b>Temperature</b>	
Ambient temperature range	-20 to +35 °C

<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

<b>Mechanical and Housing</b>	
Housing material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Clear
Reflector finish	-
Overall length	1,257 mm

Overall width	75 mm
Overall height	37 mm
Dimensions (height x width x depth)	37 x 75 x 1257 mm

<b>Approval and Application</b>	
Ingress protection code	IP54 [Dust accumulation-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.34. 0.35) SDCM <3
Power consumption tolerance	+/-11%

<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L95
Lumen maintenance at median useful life* 100,000 h	L85

<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

<b>Product Data</b>	
Order product name	LL612X LED61S/840 PSD MB 7 WH
Full product name	LL612X LED61S/840 PSD MB 7 WH
Full EOC	871869638495400
Order code	38495400
Material no. (12 NC)	910925864378
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696384954
Numerator – packs per outer box	1
EAN/UPC – Case	8718696384954



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### Dimensional drawing

