

Maxos fusion

LL512X LED31S/840 PSD DA25W 7 WH

Maxos fusion Panel - 840 neutral white - Power supply unit with DALI interface - Double asymmetric optic wide 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	
Beam angle of light source	120 °
Light source colour	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	Double asymmetric optic wide beam
Luminaire light beam spread	86° x 92°
Control interface	DALI
Connection	Connection unit 7-pole

Cable	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there

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	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.
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark
Product Family Code	LL512X [Maxos fusion Panel]
Unified glare rating CEN	22

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.28 ms
Power factor (min.)	0.97

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Stainless steel
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Optical cover/lens finish	Textured
Overall length	1138 mm
Overall width	80 mm
Overall height	15 mm
Height	15 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	3100 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	147 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	>80
Initial chromaticity	(0.34, 0.35) SDCM <3
Initial input power	21 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

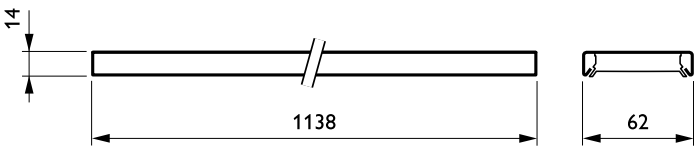
Application Conditions

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Not applicable

Product Data

Full product code	871869638447300
Order product name	LL512X LED31S/840 PSD DA25W 7 WH
EAN/UPC – product	8718696384473
Order code	38447300
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925864330
Net weight (piece)	1.350 kg

Dimensional drawing



Maxos Fusion Panel LL512X-LL623X



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2019, February 12 - data subject to change