

**PHILIPS****Lighting**

# Maxos fusion

## LL512X LED31S/840 PSD WB 7 SI

Maxos fusion Panel - 840 neutral white - Power supply unit with DALI interface - Wide beam - Silver

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 the 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 lay-out 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

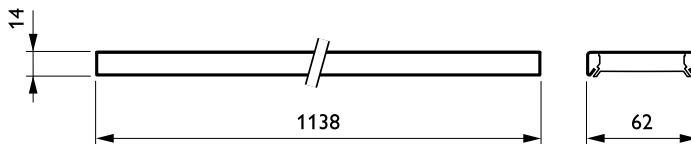
General Information	
Beam angle of light source	120 °
Light source color	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
Control 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	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Remarks	<p>*-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</p>

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	B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type	24
B	
RoHS mark	RoHS mark
Product family code	LL512X [ Maxos fusion Panel]
Unified glare rating CEN	22
<b>Operating and Electrical</b>	
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
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
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
<b>Approval and Application</b>	
Ingress protection code	IP20 [ Finger-protected]
Mech. impact protection code	IK02 [ 0.2 J standard]

## Dimensional drawing



Maxos Fusion Panel LL512X-LL623X

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	3100 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	147 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color 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 dim level	1%
Suitable for random switching	Not applicable

## Product Data

Full product code	871869638465700
Order product name	LL512X LED31S/840 PSD WB 7 SI
EAN/UPC - Product	8718696384657
Order code	910925864348
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925864348
Net Weight (Piece)	1.350 kg

