



# 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			
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes	Glow-wire test	Temperature 850 °C, duration 30 s
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Product family code	LL512X [Maxos fusion Panel]
Remarks	* -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 B10. Therefore, the median useful life (B50) value also represents the B10 value.	Lighting Technology	LED
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes
		Value ladder	Specification
		Application Conditions	
		Maximum dim level	1%

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Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

## Light Technical

Luminous Flux	3,100 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	147 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
Unified glare rating CEN	22

## Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
Inrush current	21 A
Inrush time	0.28 ms
Power Consumption	21 W
Power Factor (Fraction)	0.97
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	24

## Temperature

Ambient temperature range	-20 to +35 °C
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## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

## Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate

Fixation material	Steel
Housing Color	Silver
Optical cover/lens finish	Textured
Overall length	1,138 mm
Overall width	62 mm
Overall height	14 mm
Dimensions (Height x Width x Depth)	14 x 62 x 1138 mm

## Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I

## Initial Performance (IEC Compliant)

Initial chromaticity	(0.34, 0.35) SDCM <3
Luminous flux tolerance	+/-7%
Power consumption tolerance	+/-11%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L95
Lumen maintenance at median useful life* 100000 h	L85

## Product Data

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

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### Dimensional drawing

