



Maxos fusion

LL512X LED50S/840 PSED PCO 7 WH

Maxos fusion Panel, 840 neutral white, Power supply unit with DALI interface, DC compatible, external, Opal, 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 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		Value ladder	
Light source replaceable	No	Specification	
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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.	Flammability mark	For mounting on normally flammable surfaces
Product family code	LL512X [Maxos fusion Panel]	ENEC mark	ENEC mark
Lighting Technology	LED	Glow-wire test	Temperature 850 °C, duration 30 s
		EU RoHS compliant	Yes
		Light Technical	
		Luminous Flux	4,300 lm
		Correlated Color Temperature (Nom)	4000 K

Maxos fusion

Luminous Efficacy (rated) (Nom)	119 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	Opal
Luminaire light beam spread	180°
Unified glare rating CEN	28

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.28 ms
Power Consumption	36 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
---------------------------	---------------

Controls and Dimming

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

Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Opal
Overall length	1,138 mm
Overall width	66 mm

Overall height	35 mm
Dimensions (Height x Width x Depth)	35 x 66 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)

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

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Order product name	LL512X LED50S/840 PSED PCO 7 WH
Full product name	LL512X LED50S/840 PSED PCO 7 WH
Full product code	871869638418300
Order code	910925864301
Material Nr. (12NC)	910925864301
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696384183
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696384183

Maxos fusion

Dimensional drawing

