



Maxos fusion

LL512X LED31S/840 SIA WB 7 WH HE

LL512X | Maxos fusion Panel - 840 neutral white - Power supply unit with DALI interface - Wide beam

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
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	For mounting on normally flammable
	surfaces
Glow-wire test	surfaces Temperature 850 °C, duration 30 s
Glow-wire test Warranty period	
	Temperature 850 °C, duration 30 s
Warranty period	Temperature 850 °C, duration 30 s 5 years
Warranty period Product family code	Temperature 850 °C, duration 30 s 5 years LL512X [Maxos fusion Panel]

ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Specification
Application Conditions	
Maximum dim level	1%
Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	3,150 lumen
Correlated Color Temperature (Nom)	4000 K

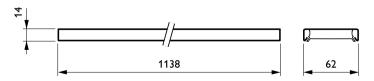
Datasheet, 2023, September 5 data subject to change

Maxos fusion

Luminous Efficacy (rated) (Nom)	175 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	18 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 ℃
Controls and Dimming	
Controls and Dimming Dimmable	Yes
	Yes Power supply unit with DALI interface
Dimmable	
Dimmable Driver/power unit/transformer	Power supply unit with DALI interface
Dimmable Driver/power unit/transformer Control interface	Power supply unit with DALI interface DALI
Dimmable Driver/power unit/transformer Control interface	Power supply unit with DALI interface DALI
Dimmable Driver/power unit/transformer Control interface Constant light output	Power supply unit with DALI interface DALI
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Power supply unit with DALI interface DALI No
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Power supply unit with DALI interface DALI No
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Power supply unit with DALI interface DALI No Steel
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Power supply unit with DALI interface DALI No Steel - Polycarbonate
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material	Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material	Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate Steel

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	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life*	L95
50000 h	
Lumen maintenance at median useful life*	L85
100000 h	
Product Data	
Full product code	871951473792100
Order product name	LL512X LED31S/840 SIA WB 7 WH HE
Order code	910925868986
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925868986
Full product name	LL512X LED31S/840 SIA WB 7 WH HE
EAN/UPC - Case	8719514737921

Dimensional drawing



Maxos fusion



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.