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	
Light source replaceable	No
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
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
Glow-wire test	Temperature 850 °C, duration 30 s
Warranty period	5 years
Product family code	LL512X [Maxos fusion Panel]
Lighting Technology	LED
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Specification
Application Conditions	
Maximum dim level	1%

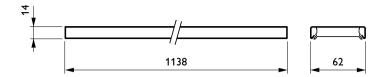
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Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	3,100 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	147 lm/W
Color rendering index (CRI)	>80
Flickering 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
Controls and Direct	
Controls and Dimming	~
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mochanical and Housing	
Mechanical and Housing	Cteal
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
	14 mm
Overall height	
Dimensions (Height x Width x Depth)	14 x 62 x 1138 mm
Approval and Application	
Approval and Application	ID20 (Einger pretected)
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 Complia	
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
life 100000 h Lumen maintenance at median useful life*	
life 100000 h Lumen maintenance at median useful life* 50000 h	L95
life 100000 h Lumen maintenance at median useful life*	L95
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Dimensional drawing





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