PHILIPS Lighting



Maxos fusion

LL512X LED50S/835 PSD WB 7 WH

Maxos fusion Panel, 835 neutral white, Power supply unit with DALI interface, Wide beam, 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		Lighting Technolog
Light source replaceable	No	Value ladder
Number of gear units	1 unit	CE mark
Driver included	Yes	Warranty period
Remarks	*-Per Lighting Europe guidance paper	Flammability mark
	"Evaluating performance of LED based	
	luminaires - January 2018": statistically	ENEC mark
	there is no relevant difference in lumen	Glow-wire test
	maintenance between B50 and for	EU RoHS compliant
	example B10. Therefore, the median useful	
	life (B50) value also represents the B10	Light Technical
	value.	Luminous Flux
Product family code	LL512X [Maxos fusion Panel]	

Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,000 lm

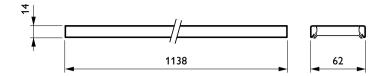
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Correlated Color Temperature (Nom)	
	3500 K
Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value	1
as per EN 61000-3-3	
Stroboscopic effect visibility measure	0.4
(SVM)	
Beam angle of light source	120 degree(s)
Light source color	835 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°
Unified glare rating CEN	Not applicable
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)	0.98
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
Ambient temperature range	-2010+55 C
Ambient temperature range Controls and Dimming	-2010+35 C
	Yes
Controls and Dimming	
Controls and Dimming Dimmable	Yes
Controls and Dimming Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface DALI No
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface DALI
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface DALI No Steel -
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate Steel
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Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate Steel

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)			
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	5 %		
life 50000 h			
Control gear failure rate at median useful	10 %		
life 100000 h			
Lumen maintenance at median useful life*	L95		
50000 h			
Lumen maintenance at median useful life*	L85		
100000 h			
Application Conditions			
Performance ambient temperature Tq	25 ℃		
Maximum dim level	1%		
Suitable for random switching	Not applicable		
Product Data			
Order product name	LL512X LED50S/835 PSD WB 7 WH		
Full product name	LL512X LED50S/835 PSD WB 7 WH		
Full product code	871869698725400		
Order code	910925864624		
Material Nr. (12NC)	910925864624		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8718696987254		
Numerator - Packs per outer box	1		
EAN/UPC - Case	8718696987254		

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Dimensional drawing





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