![Philips Lighting logo]

Maxos fusion

LL512X LED61S/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 an 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 layout 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
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
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	6,100 lm

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Correlated Colour Temperature	4000 K		Overall height	14 mm
Luminous efficacy (rated) (nom.)	136 lm/W		Dimensions (height x width x depth)	14 x 62 x 1138 mm
Colour rendering index (CRI)	>80			
Flickering value (PstLM)	1		**Approval and Application**	
Stroboscopic effect	0.4		Ingress protection code	IP20 [Finger-protected]
Beam angle of light source	120 degree(s)		Mech. impact protection code	IK02 [0.2 J standard]
Light source colour	840 neutral white		Sustainability rating	Lighting for circularity
Optic type	Wide beam		Protection class IEC	Safety class I
Luminaire light beam spread	85° x 85°			
Unified Glare Rating (CEN)	22		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-7%
Operating and Electrical			Initial chromaticity	(0.34. 0.35) SDCM <3
Input Voltage	220-240 V		Power consumption tolerance	+/-11%
Line Frequency	50 to 60 Hz			
Inrush current	21 A		**Over Time Performance (IEC Compliant)**	
Inrush time	0.28 ms		Control gear failure rate at median useful life 50,000 h	5 %
Power Consumption	45 W		Control gear failure rate at median useful life 100,000 h	10 %
Power Factor (Fraction)	0.98		Lumen maintenance at median useful life* 50,000 h	L95
Connection	Connection unit 7-pole		Lumen maintenance at median useful life* 100,000 h	L85
Cable	-			
Number of products on MCB of 16 A type B	24			
			Application Conditions	
Temperature			Performance ambient temperature Tq	25 °C
Ambient temperature range	-20 to +35 °C		Maximum dim level	1%
			Suitable for random switching	Not applicable
Controls and Dimming				
Dimmable	Yes		**Product Data**	
Driver/power unit/transformer	Power supply unit with DALI interface		Order product name	LL512X LED61S/840 PSD WB 7 SI
Control interface	DALI		Full product name	LL512X LED61S/840 PSD WB 7 SI
Constant light output	No		Full EOC	871869638467100
			Order code	38467100
Mechanical and Housing			Material no. (12 NC)	910925864350
Housing material	Steel		SAP numerator – quantity per pack	1
Reflector material	-		EAN/UPC — Product/Case	8718696384671
Optic material	Polycarbonate		Numerator – packs per outer box	1
Optical cover/lens material	Polycarbonate		EAN/UPC – Case	8718696384671
Fixation material	Steel			
Housing Colour	Silver			
Optical cover/lens finish	Textured			
Overall length	1,138 mm			
Overall width	62 mm			

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Dimensional drawing

www.lighting.philips.com

2023, December 4 – data subject to change