PHILIPS Lighting



Maxos fusion

LL523X LED100S/840 PSD DA25N 7 WH

Maxos fusion Panel, 840 neutral white, Power supply unit with DALI interface, Double asymmetric optic narrow 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 Technology
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	LL523X [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	10,100 lm

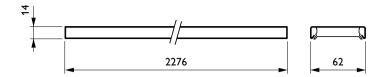
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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	142 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value	1
as per EN 61000-3-3	
Stroboscopic effect visibility measure	0.4
(SVM)	0.4
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Double asymmetric optic narrow beam
Luminaire light beam spread	72° x 90°
Unified glare rating CEN	25
	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.5 A
Inrush time	1 ms
Power Consumption	71 W
Power Factor (Fraction)	0.98
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	18
Temperature	
Ambient temperature range	-20 to +35 ℃
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
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
Housing Color Optical cover finish	White Textured

Overall width	62 mm
Overall height	14 mm
Dimensions (Height x Width x Depth)	14 x 62 x 2276 mm
Approval and Application	
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 Complia	nt)
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	LL523X LED100S/840 PSD DA25N 7 WH
Full product name	LL523X LED100S/840 PSD DA25N 7 WH
Full product code	871869638457200
Order code	910925864340
Material Nr. (12NC)	910925864340
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696384572
Numerator - Packs per outer box	1

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Dimensional drawing





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