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 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	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

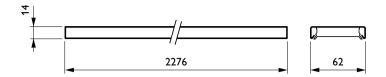
Maxos fusion

Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	142 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Beam angle of light source	120 degree(s)
ight source colour	840 neutral white
Optic type	Double asymmetric optic narrow beam
Luminaire light beam spread	72° x 90°
Jnified Glare Rating (CEN)	25
Operating and Electrical	
nput Voltage	220-240 V
Line Frequency	50 to 60 Hz
nrush 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 ty	уре В 18
Temperature	
Ambient temperature range	-20 to +35 °C
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/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Textured
Overall length	2,276 mm
Overall width	62 mm
	52 mm

Overall height	14 mm			
Dimensions (height x width x depth)	14 x 62 x 2276 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 50,000 h				
Control gear failure rate at median useful	10 %			
life 100,000 h				
Lumen maintenance at median useful life*	L95			
50,000 h				
Lumen maintenance at median useful life*	L85			
100,000 h				
Application Conditions				
Performance ambient temperature Tq	25 °C			
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 EOC	871869638457200			
Order code	38457200			
Material no. (12 NC)	910925864340			
SAP numerator – quantity per pack	1			
EAN/UPC — Product/Case	8718696384572			
Numerator – packs per outer box	1			
EAN/UPC - Case	8718696384572			

Maxos fusion

Dimensional drawing





© 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.

www.lighting.philips.com 2023, December 4 - data subject to change