



Maxos fusion

LL523X LED123S/840 PSD WB 7 VLC WH XA

Maxos fusion, trunking light unit, Xtra (lm/W and lifetime), 68 W, L2276 mm, 12300 lm, 4000 K, DALI, Wide beam, Textured, White, VLC, IP20

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		Warranty period	
Light source replaceable	No		5 years
Number of gear units	1 unit	Sustainability rating	Signify Circle
Driver included	Yes	Light Technical	
Service tag	Yes	Luminous Flux	12,300 lm
Lighting Technology	LED	Correlated Color Temperature (Nom)	4000 K
Value ladder	Specification	Luminous Efficacy (rated) (Nom)	181 lm/W
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts	Color rendering index (CRI)	>80
		Beam angle of light source	120 degree(s)
		Light source color	840 neutral white
		Optic type	Wide beam

Maxos fusion

Luminaire light beam spread	85° x 85°
Unified glare rating CEN	22

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	68 W
Power Factor (Fraction)	0.98
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	18
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Total harmonic distortion	5 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%
Embedded control	Visible light communication

Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Textured
Overall length	2.276 mm
Overall width	62 mm
Overall height	14 mm
Dimensions (Height x Width x Depth)	14 x 62 x 2276 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	2.400 kg

Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
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Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.34, 0.35) SDCM <3
Power consumption tolerance	+/-11%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

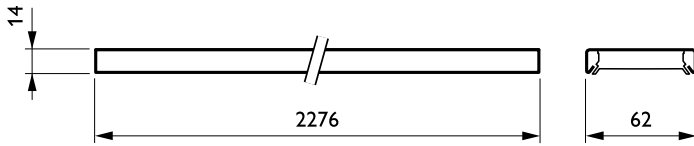
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L95
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L85

Product Data

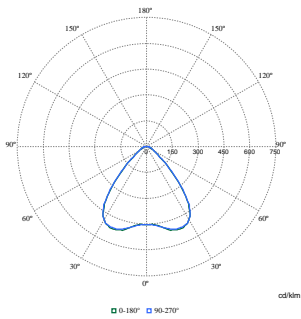
Order product name	LL523X LED123S/840 PSD WB 7 VLC WH XA
Full product name	LL523X LED123S/840 PSD WB 7 VLC WH XA
Full product code	871951414646400
Order code	910925867838
Material Nr. (12NC)	910925867838
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514146464
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514146464
Product family code	LL523X [Maxos fusion Panel]

Maxos fusion

Dimensional drawing



Photometric data



Polar Normal (separate) - LL500XI - 910925867838

