



Maxos fusion

LL523X LED160S/840 SIA MB 7 WH HE

Maxos fusion, trunking light unit, 97 W, L2276 mm, 16000 lm, 4000 K, Wireless, Interact Ready, Medium beam, Textured, White, 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		Operating and Electrical	
Light source replaceable	No	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	165 lm/W
Driver included	Yes	Color rendering index (CRI)	>80
Service tag	Yes	Beam angle of light source	120 degree(s)
Lighting Technology	LED	Light source color	840 neutral white
Value ladder	Specification	Optic type	Medium beam
Warranty period	5 years	Luminaire light beam spread	66° x 80°
		Unified glare rating CEN	22
Light Technical		Operating and Electrical	
Luminous Flux	16,000 lm	Input Voltage	220-240 V

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Line Frequency	50 to 60 Hz
Inrush current	5.1 A
Inrush time	0.76 ms
Power Consumption	97 W
Power Factor (Fraction)	0.97
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	12
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Sensor ready driver Interact System ready
Control interface	Wireless
Constant light output	No
DALI Standard	DALI-2™ D4i™
Maximum dim level	1%
Connectivity	Interact Ready

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
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

Sustainability Data

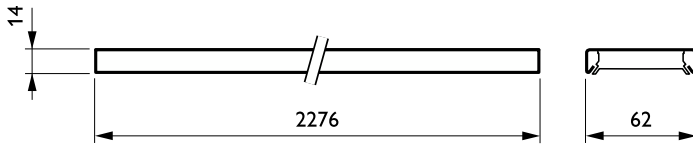
Sustainability rating	Signify Circle
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Embedded carbon (A1-A3)	25.6 kg CO _{2e}
Product non-virgin material ratio	16 %
Recyclable content ratio of the finished product	57.5 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kwh)
GWP total B6 (kg CO _{2eq}) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2 eq} / kwh)

Product Data

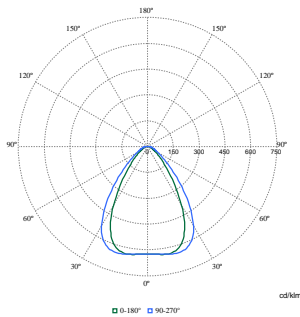
Order product name	LL523X LED160S/840 SIA MB 7 WH HE
Full product name	LL523X LED160S/840 SIA MB 7 WH HE
Full product code	871951473779200
Order code	910925868973
Material Nr. (12NC)	910925868973
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514737792
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514737792
Product family code	LL523X [Maxos fusion Panel]

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Dimensional drawing



Photometric data



Polar Normal (separate) - LL500XI - 910925868973

