



Maxos fusion

LL523X LED123S/840 PSD O-PC 7 VLC WH XA

Maxos fusion, trunking light unit, 66 W, L2276 mm, 10400 lm, 4000 K, DALI, Opal, Opal, White, VLC

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		Light source color	
Number of gear units	1 unit	Light source color	840 neutral white
Driver included	Yes	Optic type	Opal
Value ladder	Specification	Luminaire light beam spread	180°
Warranty period	5 years	Unified glare rating CEN	25
Light Technical		Operating and Electrical	
Luminous Flux	10,400 lm	Input Voltage	220-240 V
Correlated Color Temperature (Nom)	4000 K	Line Frequency	50 to 60 Hz
Luminous Efficacy (rated) (Nom)	158 lm/W	Inrush current	25 A
Color rendering index (CRI)	>80	Inrush time	0.230 ms
Beam angle of light source	120 degree(s)	Power Consumption	66 W
		Power Factor (Fraction)	0.99

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Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	20
Suitable for random switching	Not applicable
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
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	Opal
Overall length	2,276 mm
Overall width	70 mm
Overall height	35 mm
Dimensions (Height x Width x Depth)	35 x 70 x 2276 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	2.560 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
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%

Over Time Performance (IEC Compliant)

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

Sustainability rating	Signify Circle
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Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
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Embedded carbon (A1-A3)	25.6 kg CO ₂ e
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Product non-virgin material ratio	16 %
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Recyclable content ratio of the finished product	57.5 %
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GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
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GWP total B6 (kg CO ₂ eq) 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)
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Product Data

Order product name	LL523X LED123S/840 PSD O-PC 7 VLC WH XA
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Full product name	LL523X LED123S/840 PSD O-PC 7 VLC WH XA
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Full product code	872016947379900
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Order code	910925870052
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Material Nr. (12NC)	910925870052
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Numerator - Quantity Per Pack	1
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EAN/UPC - Product/Case	8720169473799
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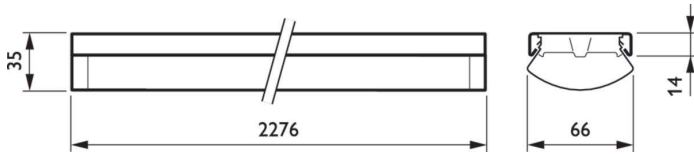
Numerator - Packs per outer box	1
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EAN/UPC - Case	8720169473799
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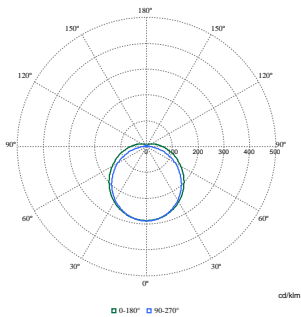
Product family code	LL523X [Maxos fusion Panel]
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Dimensional drawing



Photometric data



Polar Normal (separate) - LL500XI - 910925870052

