Maxos fusion

LL523X LED160S/840 PSD NB 7 WH XA

Maxos fusion Panel, 840 neutral white, Power supply unit with DALI interface, 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

Light source replaceable	No
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 850 ℃, duration 30 s
Warranty period	5 years
Product family code	LL523X [Maxos fusion Panel]
Lighting Technology	LED
ENEC mark	ENEC mark

EU RoHS compliant	Yes
Value ladder	Specification

Application Conditions

Maximum dim level	1%
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Not applicable

Light Technical

Luminous Flux	16,000 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	175.8 lm/W

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Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Narrow beam
Luminaire light beam spread	37° x 49°
Unified glare rating CEN	22

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
Inrush current	5.1 A
Inrush time	0.76 ms
Power Consumption	91 W
Power Factor (Fraction)	0.97
Connection	Connection unit 7-pole
Cable	–
Number of products on MCB of 16 A type B	12

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 Color	White
Optical cover/lens 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

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)

Initial chromaticity	(0.34. 0.35) SDCM <3
Luminous flux tolerance	+/-7%
Power consumption tolerance	+/-11%

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 at median useful life* 50000 h	L95
Lumen maintenance at median useful life* 100000 h	L85

Product Data

Full product code	871951415038600
Order product name	LL523X LED160S/840 PSD NB 7 WH XA
Order code	910925867855
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910925867855
Full product name	LL523X LED160S/840 PSD NB 7 WH XA
EAN/UPC – Case	8719514150386

Dimensional drawing

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