# **PHILIPS** Lighting



## **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	surfaces Temperature 850 °C, duration 30 s
Glow-wire test Warranty period	
	Temperature 850 °C, duration 30 s
Warranty period	Temperature 850 °C, duration 30 s 5 years
Warranty period Product family code	Temperature 850 °C, duration 30 s 5 years LL523X [Maxos fusion Panel]

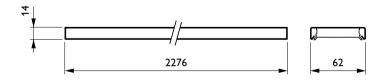
EU RoHS compliant	Yes
Value ladder	Specification
Application Conditions	
Maximum dim level	1%
Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	16,000 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	175.8 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
Ambient temperature range	-20 to +35 °C
Ambient temperature range Controls and Dimming	-20 to +35 °C
	-20 to +35 °C Yes
Controls and Dimming	
Controls and Dimming Dimmable	Yes
Controls and Dimming Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface DALI No
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface DALI No
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface DALI No Steel -
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material	Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate

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	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life*	L95
50000 h	
Lumen maintenance at median useful life*	1.05
100000 h	L85
	L85
	L85
Product Data	
Product Data Full product code	871951415038600
Full product code	871951415038600
Full product code Order product name	871951415038600 LL523X LED160S/840 PSD NB 7 WH XA
Full product code Order product name Order code	871951415038600 LL523X LED160S/840 PSD NB 7 WH XA 910925867855
Full product code Order product name Order code Numerator - Quantity Per Pack	871951415038600 LL523X LED160S/840 PSD NB 7 WH XA 910925867855 1
Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	871951415038600 LL523X LED160S/840 PSD NB 7 WH XA 910925867855 1 1

#### Dimensional drawing



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