# **PHILIPS** Lighting



# **Maxos fusion**

# LL523X LED100S/840 PSD DA35W 7 WH

Maxos fusion Panel, 840 neutral white, Power supply unit with DALI interface, Double asymmetric optic 35° wide 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

Concernel Information	
General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically
	there is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Product family code	LL523X [Maxos fusion Panel]
Lighting Technology	LED

Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	10,100 lm
Correlated Color Temperature (Nom)	4000 K

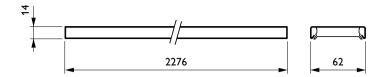
## **Maxos fusion**

Luminous Efficacy (rated) (Nom)	142 lm/W	Overall height
Color rendering index (CRI)	>80	Dimensions (Heig
Flickering value (PstLM) - Flickering value	1	
as per EN 61000-3-3		Approval and A
Stroboscopic effect visibility measure	0.4	Ingress protection
(SVM)		Mech. impact prot
Beam angle of light source	120 degree(s)	Sustainability rati
Light source color	840 neutral white	Protection class IE
Optic type	Double asymmetric optic 35° wide beam	
Luminaire light beam spread	104° x 98°	Initial Performa
Unified glare rating CEN	28	Luminous flux tole
		Initial chromaticity
Operating and Electrical		Power consumption
Input Voltage	220-240 V	
Line Frequency	50 to 60 Hz	Over Time Perf
Inrush current	4.5 A	Control gear failu
Inrush time	1 ms	life 50000 h
Power Consumption	71 W	Control gear failu
Power Factor (Fraction)	0.98	life 100000 h
Connection	Connection unit 7-pole	Lumen maintenan
Cable	-	50000 h
Number of products on MCB of 16 A type B	18	
	18	Lumen maintenan 100000 h
	18	Lumen maintenan
Number of products on MCB of 16 A type B	18 -20 to +35 °C	Lumen maintenan 100000 h
Number of products on MCB of 16 A type B Temperature		Lumen maintenan
Number of products on MCB of 16 A type B Temperature		Lumen maintenan 100000 h Application Cor Performance amb
Number of products on MCB of 16 A type B Temperature Ambient temperature range		Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	-20 to +35 °C	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	-20 to +35 °C Yes	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	-20 to +35 °C Yes Power supply unit with DALI interface	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev Suitable for rando
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-20 to +35 °C Yes Power supply unit with DALI interface DALI	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev Suitable for rando Product Data Order product nar
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-20 to +35 °C Yes Power supply unit with DALI interface DALI	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lew Suitable for rando Product Data Order product nar Full product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	-20 to +35 °C Yes Power supply unit with DALI interface DALI	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lew Suitable for rando Product Data Order product nar Full product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	-20 to +35 °C Yes Power supply unit with DALI interface DALI No	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev Suitable for rando Product Data Order product nam Full product name Full product code Order code
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	-20 to +35 °C Yes Power supply unit with DALI interface DALI No	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev Suitable for rando Product Data Order product name Full product name Full product code Order code Material Nr. (12NC
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	-20 to +35 °C Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev Suitable for rando Vitable for rando Product Data Order product name Full product name Full product code Order code Material Nr. (12NC
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	-20 to +35 °C Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lew Suitable for rando Product Data Order product nar Full product name Full product code Order code Material Nr. (12NC Numerator - Quar EAN/UPC - Produ
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	-20 to +35 °C Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate Steel	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lew Suitable for rando Product Data Order product name Full product name Full product name Full product code Order code Material Nr. (12NC Numerator - Quar EAN/UPC - Produ
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	-20 to +35 °C  Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate Steel Khite	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lev Suitable for rando Product Data Order product name Full product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	-20 to +35 °C Yes Power supply unit with DALI interface DALI No Steel - Polycarbonate Polycarbonate Steel	Lumen maintenan 100000 h Application Cor Performance amb Maximum dim lew Suitable for rando Product Data Order product name Full product name Full product name Full product code Order code Material Nr. (12NC Numerator - Quar EAN/UPC - Produ

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)		
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	5 %	
life 50000 h		
Control gear failure rate at median useful	10 %	
life 100000 h		
Lumen maintenance at median useful life*	L95	
50000 h		
Lumen maintenance at median useful life*	L85	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	1%	
Suitable for random switching	Not applicable	
Product Data		
Order product name	LL523X LED100S/840 PSD DA35W 7 WH	
Full product name	LL523X LED100S/840 PSD DA35W 7 WH	
Full product code	871869638445900	
Order code	910925864328	
Material Nr. (12NC)	910925864328	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696384459	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696384459	

## **Maxos fusion**

#### Dimensional drawing





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