# **PHILIPS** Lighting



# **Maxos fusion**

# LL523X LED160S/840 SIA MB 7 WH HE

LL523X | Maxos fusion Panel - 840 neutral white - Power supply unit with DALI interface - Medium beam

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 °C, duration 30 s
Warranty period	5 years
Product family code	LL523X [Maxos fusion Panel]
Connectivity	Interact Ready
Lighting Technology	LED
ElBriding ( certifictory)	LLD

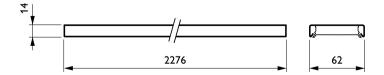
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Specification
Application Conditions	
Maximum dim level	1%
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	16,000 lumen
Correlated Color Temperature (Nom)	4000 K

# **Maxos fusion**

Luminous Efficacy (rated) (Nom)165 Im/WColor rendering index (CRI)>80Flickering value (PstLM)1Stroboscopic effect value (SVM)0.4Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread66° x 80°Unified glare rating CEN22Operating and Electrical220-240 VInput Voltage220-240 VInrush current5.1 AInrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97Connection unit 7-poleCable-Number of products on MCB of 16 A type B12Controls and Dimming12DimableYesDriver/power unit/transformerPower suply unit with DALI interfaceControl interfaceDALIControl interfaceDALIControl interfaceDALIControl interfacePolycarbonateOptical cover/lens material5 teelHousing MaterialSteelFixation materialFixelFixation materialFixelPolycarbonatePolycarbonate		
Flickering value (PstLM)1Stroboscopic effect value (SVM)0.4Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread66° x 80°Unified glare rating CEN22Operating and Electrical11Line Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97Connection unit 7-poleCable-TemperatureAmbient temperature range-20 to +35 °CDriver/power unit/transformerPower supply unit with DALI interfaceControls and DimmingYesDirwer/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelRechanical and HousingPolycarbonateHousing MaterialSteelFixation materialPolycarbonateFixation materialSteelHousing ColorWhite	Luminous Efficacy (rated) (Nom)	165 lm/W
Stroboscopic effect value (SVM)0.4Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread66° x 80°Unified glare rating CEN22Operating and Electrical100Line Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush current0.76 msPower Consumption97 WPower Consumption0.97ConnectionConnection unit 7-poleCable-TemperatureMumber of products on MCB of 16 A type B12Controls and Dimming-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelReflector material-Optic and HousingSteelReflector materialPolycarbonateFixation materialSteelHousing ColorWhite	Color rendering index (CRI)	>80
Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread66° x 80°Unified glare rating CEN22Operating and ElectricalItem FrequencyLine Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush current0.76 msPower Consumption97 WPower Consumption0.97Connection unit 7-poleCable-TemperatureAmbient temperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputSteelReflector material-Optic at cover/lens materialSteelFixation materialSteelHousing ColorWhite	Flickering value (PstLM)	1
Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread66° x 80°Unified glare rating CEN22Operating and Electrical22Line Frequency50 to 60 HzInput Voltage220-240 VInrush time0.76 msPower Consumption97 WPower Consumption0.97ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-Ambient temperature range-20 to +35 °CDirmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelRechanical and HousingSteelPolycarbonateSteelReflector material-PolycarbonateSteel	Stroboscopic effect value (SVM)	0.4
Optic typeMedium beamLuminaire tight beam spread66° x 80°Unified glare rating CEN22Operating and ElectricalInterfequencyLine Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush time0.76 msPower Consumption97 WPower Consumption0.97Connection unit 7-pole20Cable-Number of products on MCB of 16 A type B12Temperature12Ambient temperature range-20 to +35 °CDirmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic acover/lens materialPolycarbonateFixation materialSteelHousing ColorWhite	Beam angle of light source	120 degree(s)
Luminaire light beam spread66° x 80°Unified glare rating CEN22Operating and Electrical	Light source color	840 neutral white
Unified glare rating CEN22Operating and ElectricalLine Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush current0.76 msPower Consumption97 WPower Consumption0.97ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-20 to +35 °CMehent temperature range-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputSteelHousing MaterialSteelPolycarbonatePolycarbonateOptic acver/lens materialPolycarbonateFixation materialSteelHousing ColorWhite	Optic type	Medium beam
Operating and ElectricalLine Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-Ambient temperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoHousing MaterialSteelReflector material-Optic anderialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite	Luminaire light beam spread	66° x 80°
Line Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97Connection (Fraction)Connection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-20 to +35 °CMobient temperature range-20 to +35 °CDimmableYesDimmablePower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Unified glare rating CEN	22
Line Frequency50 to 60 HzInput Voltage220-240 VInrush current5.1 AInrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97Connection (Fraction)Connection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-20 to +35 °CTemperature-20 to +35 °CDimmableYesDimmablePower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite		
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Inrush current5.1 AInrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-20 to +35 °CAmbient temperature range-20 to +35 °CDimmableYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite	Line Frequency	50 to 60 Hz
Inrush time0.76 msPower Consumption97 WPower Factor (Fraction)0.97ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B12Temperature-Ambient temperature range-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelRechanical and HousingSteelHousing Material-<	Input Voltage	220-240 V
Power Consumption97 WPower Factor (Fraction)0.97ConnectionConnection unit 7-poleCable-Aumber of products on MCB of 16 A type B12Temperature-20 to +35 °CMehent temperature range-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelRechanical and HousingSteelHousing MaterialSteelReflector material-0Optical cover/lens materialSteelHousing ColorWhite	Inrush current	5.1 A
Power Factor (Fraction)0.97ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B12Number of products on MCB of 16 A type B12Temperature-20 to +35 °CTemperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelHousing MaterialSteelOptica cover/lens materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite	Inrush time	0.76 ms
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Cable-Number of products on MCB of 16 A type B12Temperature-Ambient temperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Power Factor (Fraction)	0.97
Number of products on MCB of 16 A type B       12         Temperature       -20 to +35 °C         Ambient temperature range       -20 to +35 °C         Controls and Dimming       Yes         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 acover/lens material       Polycarbonate         Fixation material       Steel         Housing Color       White	Connection	Connection unit 7-pole
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         Reflector material       -         Optic material       Polycarbonate         Optical cover/lens material       Steel         Fixation material       Steel         Housing Color       White	Cable	-
Ambient temperature range-20 to +35 °CControls and DimmingDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingYesHousing MaterialSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite	Number of products on MCB of 16 A type B	12
Ambient temperature range-20 to +35 °CControls and DimmingDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingYesHousing MaterialSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite		
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	Temperature	
Dimmable     Yes       Driver/power unit/transformer     Power supply unit with DALI interface       Control interface     DALI       Constant light output     No       Mechanical and Housing     Image: Constant light output       Housing Material     Steel       Reflector material     -       Optic material     Polycarbonate       Optical cover/lens material     Steel       Housing Color     White	Ambient temperature range	-20 to +35 ℃
Dimmable     Yes       Driver/power unit/transformer     Power supply unit with DALI interface       Control interface     DALI       Constant light output     No       Mechanical and Housing     Image: Constant light output       Housing Material     Steel       Reflector material     -       Optic material     Polycarbonate       Optical cover/lens material     Steel       Housing Color     White		
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     Steel       Fixation material     Steel       Housing Color     White	Controls and Dimming	
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	Dimmable	Yes
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	Driver/power unit/transformer	Power supply unit with DALI interface
Mechanical and Housing         Housing Material       Steel         Reflector material       -         Optic material       Polycarbonate         Optical cover/lens material       Polycarbonate         Fixation material       Steel         Housing Color       White	Control interface	DALI
Housing MaterialSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialPolycarbonateFixation materialSteelHousing ColorWhite	Constant light output	No
Housing MaterialSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialPolycarbonateFixation materialSteelHousing ColorWhite		
Reflector material     -       Optic material     Polycarbonate       Optical cover/lens material     Polycarbonate       Fixation material     Steel       Housing Color     White	Mechanical and Housing	
Optic material     Polycarbonate       Optical cover/lens material     Polycarbonate       Fixation material     Steel       Housing Color     White	Housing Material	Steel
Optical cover/lens material     Polycarbonate       Fixation material     Steel       Housing Color     White	Reflector material	-
Fixation material     Steel       Housing Color     White	Optic material	Polycarbonate
Housing Color White	Optical cover/lens material	Polycarbonate
	Fixation material	Steel
Optical cover/lens finish Textured	Housing Color	White
	Outline Lawren (lawra Gwiah	

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
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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%
Control gear failure rate at median useful life 50000 h	5 %
50000 h Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life* 50000 h	L95
Lumen maintenance at median useful life* 100000 h	L85
Product Data	
Full product code	871951473779200
Order product name	LL523X LED160S/840 SIA MB 7 WH HE
Order code	910925868973
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925868973
Full product name	LL523X LED160S/840 SIA MB 7 WH HE
•	8719514737792
EAN/UPC - Case	0/19014/3//92

## Dimensional drawing



## **Maxos fusion**



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