# **PHILIPS** Lighting



# **Maxos fusion**

# LL523X LED62S/840 SIA WB 7 WH HE

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

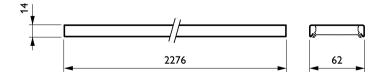
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Value ladder	Specification
Application Conditions	
Maximum dim level	1%
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Not applicable
Light Technical	
Luminous Flux	6,200 lumen
Correlated Color Temperature (Nom)	4000 K

# **Maxos fusion**

Luminous Efficacy (rated) (Nom)180 Im/WColor rendering index (CRI)>800Flickering value (PstLM)1Stroboscopic effect value (SVM)0.4Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeWide beamLuminaire light beam spread85" x 85"Unified glare rating CEN22Operating and Electrical210Line Frequency50 to 60 HzInput Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Consumption0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CMomient temperature range-20 to +35 °CDriver/power unit/transformerPower supply unit with DALI interfaceDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceDALIControl interface-Mechanical and Housing-Housing MaterialSteelRefector material-Optic anterialPolycarbonateFixation materialSteelHousing ColorWhite		
Flickering value (PstLM)1Stroboscopic effect value (SVM)0.4Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeWide beamLuminaire light beam spread85" x 85"Unified glare rating CEN22Operating and Electrical220-240 VLine Frequency50 to 60 HzInput Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Consumption0.98ConnectionConnection unit 7-poleCable-Temperature-Mumber of products on MCB of 16 A type B24Controls and DimmingYesDirwar/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceDALIControl interfaceDALIControl interfaceSteelReflector material-Optic arbonatePolycarbonateOptic anterialPolycarbonateFixation materialSteelFixation materialSteelFixation materialSteel	Luminous Efficacy (rated) (Nom)	180 lm/W
Stroboscopic effect value (SVM)0.4Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeWide beamLuminaire light beam spread85° x 85°Unified glare rating CEN22Operating and Electrical200 to 60 HzLine Frequency50 to 60 HzInrush current21 AInrush current0.28 msPower Consumption34.5 WPower Consumption0.98ConnectionConnection unit 7-poleCable-TemperatureMumber of products on MCB of 16 A type B24Controls and DimmingYesDirwer/power unit/transformerPower supply unit with DALI InterfaceControl InterfaceDALIControl InterfaceSteelReflector material-Optic arterialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Color rendering index (CRI)	>80
Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeWide beamLuminaire light beam spread85° x 85°Unified glare rating CEN22Operating and Electrical21Line Frequency50 to 60 HzInput Voltage220-240 VInrush time0.28 msPower Consumption34.5 WPower Consumption0.98ConnectionConnection unit 7-poleCable-Temperature24Mumber of products on MCB of 16 A type B24Temperature-Controls and DimmingYesDirmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelRechanical and HousingSteelReflector material-Optical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Flickering value (PstLM)	1
Light source color840 neutral whiteOptic typeWide beamLuminaire light beam spread85° x 85°Unified glare rating CEN22Operating and Electrical22Line Frequency50 to 60 HzInput Voltage220-240 VInrush time0.28 msPower Consumption34.5 WPower Consumption0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-Ambient temperature range-20 to +35 °CDirmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceSteelRechanical and HousingSteelReflector materialOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Stroboscopic effect value (SVM)	0.4
Optic typeWide beamLuminaire light beam spread85° x 85°Unified glare rating CEN22Operating and ElectricalLine Frequency50 to 60 HzInput Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature20 to +35 °CControls and Dimming-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelHousing MaterialSteelPolycarbonatePolycarbonateOptic materialPolycarbonateFixation materialSteelHousing ColorWhite	Beam angle of light source	120 degree(s)
Luminaire light beam spread85° x 85°Unified glare rating CEN22Operating and Electrical	Light source color	840 neutral white
Unified glare rating CEN22Operating and Electrical	Optic type	Wide beam
Operating and ElectricalLine Frequency50 to 60 HzInput Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-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 materialSteelFixation materialSteelHousing ColorWhite	Luminaire light beam spread	85° x 85°
Line Frequency50 to 60 HzInput Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CTemperature-20 to +35 °CControls and DimmingPower supply unit with DALI interfaceDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite	Unified glare rating CEN	22
Line Frequency50 to 60 HzInput Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CTemperature-20 to +35 °CControls and DimmingPower supply unit with DALI interfaceDimmableYesDriver/power unit/transformerDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite		
Input Voltage220-240 VInrush current21 AInrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24TemperatureAmbient temperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-<	Operating and Electrical	
Inrush current21 AInrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CTemperature range-20 to +35 °CDimmableYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Line Frequency	50 to 60 Hz
Inrush time0.28 msPower Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CMehent temperature range-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-<	Input Voltage	220-240 V
Power Consumption34.5 WPower Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CTemperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-<	Inrush current	21 A
Power Factor (Fraction)0.98ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature-20 to +35 °CAmbient temperature range-20 to +35 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelHousing MaterialSteelReflector material-Optical cover/lens materialPolycarbonateHousing ColorWhite	Inrush time	0.28 ms
ConnectionConnection unit 7-poleCable-Number of products on MCB of 16 A type B24Temperature24Ambient temperature range-20 to +35 °CControls and Dimming-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Power Consumption	34.5 W
Cable-Number of products on MCB of 16 A type B24Number of products on MCB of 16 A type B24Temperature-Ambient temperature range-20 to +35 °CControls and Dimming-20 to +35 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceDALIConstant light outputNoMechanical and HousingSteelReflector material-Optic materialPolycarbonateOptical cover/lens materialSteelFixation materialSteelHousing ColorWhite	Power Factor (Fraction)	0.98
Number of products on MCB of 16 A type B       24         Temperature	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 HousingSteelHousing MaterialSteelReflector material-0Optic materialPolycarbonateOptical cover/lens materialSteelHousing ColorWhite	Number of products on MCB of 16 A type B	24
Ambient temperature range-20 to +35 °CControls and DimmingDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingSteelHousing MaterialSteelReflector material-0Optic 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       Housing Material     Steel       Reflector material     -       Optic material     Polycarbonate       Optical cover/lens material     Steel       Housing Color     White	Ambient temperature range	-20 to +35 °C
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     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     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

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	10 %
100000 h	
Lumen maintenance at median useful life*	L95
50000 h	
Lumen maintenance at median useful life* 100000 h	L85
Product Data	
Full product code	871951473780800
Order product name	LL523X LED62S/840 SIA WB 7 WH HE
Order code	910925868974
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925868974
Full product name	LL523X LED62S/840 SIA WB 7 WH HE
EAN/UPC - Case	8719514737808

# Dimensional drawing



### **Maxos fusion**



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