



The new generation of energy saving tube lighting

MASTER LEDtube EM/Mains T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than normal fluorescent tubes
- Fastest and easiest way to upgrade existing luminaire to LED technology; 100%-safe installation process

Features

- Only 50% energy consumption compared to fluorescent tubes
- Extra-long life of 40,000 hours
- Retrofit to existing T8 lamps on EM ballast installations
- Full safety features and EM Protector safety device
- No mercury

Application

- Parking lots / covered car parks
- Warehouses / coldrooms / signage
- Transport and distribution areas
- Food & Museums

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Warnings and Safety

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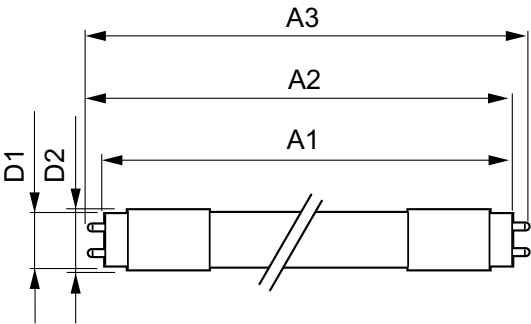
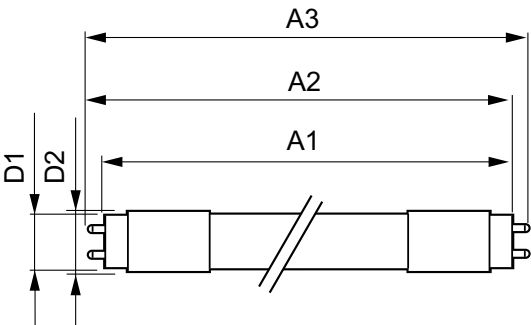
Versions



LEDtubes, 600mm 8.5W, 900mm 10.5W, 1200mm 12W, 1200mm 15W



Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 900mm HO 12W 840 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 12.5W 865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 14W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 14W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 14W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 600mm HO 8W830 T8	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W840 T8	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W865 T8	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube STD 1200mm 10.5W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube STD 1200mm 10.5W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

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General Information	
Switching Cycle	200,000
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929001298402	MAS LEDtube 900mm HO 12W 840 T8	G13 ROT	75,000 hour(s)
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	G13	60,000 hour(s)
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	G13	60,000 hour(s)
929003556008	MAS LEDtube 1200mm HO 14W830 T8	G13	60,000 hour(s)
929003556108	MAS LEDtube 1200mm HO 14W840 T8	G13	60,000 hour(s)
929003556208	MAS LEDtube 1200mm HO 14W865 T8	G13	60,000 hour(s)
929003557208	MAS LEDtube 600mm HO 8W830 T8	G13	60,000 hour(s)
929003557308	MAS LEDtube 600mm HO 8W840 T8	G13	60,000 hour(s)
929003557408	MAS LEDtube 600mm HO 8W865 T8	G13	60,000 hour(s)
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	G13 ROT	75,000 hour(s)

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929001298402	MAS LEDtube 900mm HO 12W 840 T8	160 degree(s)	4000 K	80	840
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	190 degree(s)	4000 K	80	840
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	190 degree(s)	6500 K	80	865
929003556008	MAS LEDtube 1200mm HO 14W830 T8	190 degree(s)	3000 K	80	830
929003556108	MAS LEDtube 1200mm HO 14W840 T8	190 degree(s)	4000 K	80	840

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929003556208	MAS LEDtube 1200mm HO 14W865 T8	190 degree(s)	6500 K	80	865
929003557208	MAS LEDtube 600mm HO 8W830 T8	190 degree(s)	3000 K	83	830
929003557308	MAS LEDtube 600mm HO 8W840 T8	190 degree(s)	4000 K	83	840
929003557408	MAS LEDtube 600mm HO 8W865 T8	190 degree(s)	6500 K	83	865
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	160 degree(s)	6500 K	80	865

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux
929001298402	MAS LEDtube 900mm HO 12W 840 T8	1,575 lm
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	1,600 lm
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	1,600 lm
929003556008	MAS LEDtube 1200mm HO 14W830 T8	2,000 lm
929003556108	MAS LEDtube 1200mm HO 14W840 T8	2,100 lm

Order Code	Full Product Name	Luminous Flux
929003556208	MAS LEDtube 1200mm HO 14W865 T8	2,100 lm
929003557208	MAS LEDtube 600mm HO 8W830 T8	1,000 lm
929003557308	MAS LEDtube 600mm HO 8W840 T8	1,050 lm
929003557408	MAS LEDtube 600mm HO 8W865 T8	1,050 lm

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Order Code	Full Product Name	Luminous Flux
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	2,100 lm

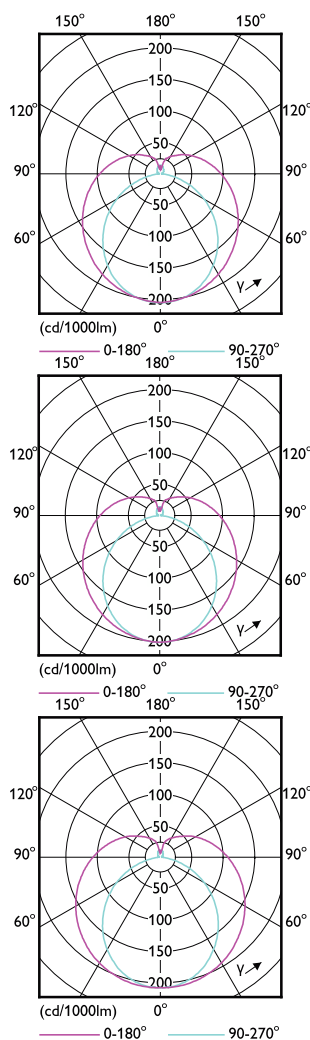
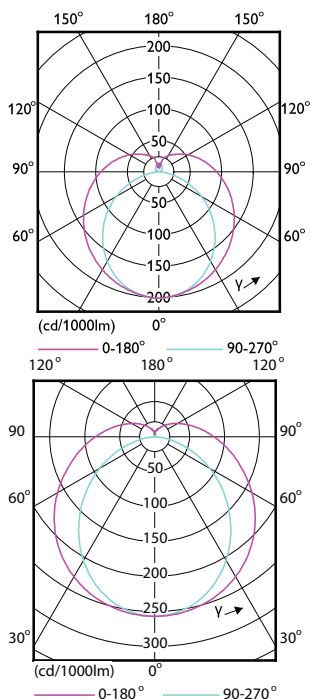
Operating and Electrical

Order Code	Full Product Name	Power Consumption
929001298402	MAS LEDtube 900mm HO 12W 840 T8	12 W
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	10.5 W
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	10.5 W
929003556008	MAS LEDtube 1200mm HO 14W830 T8	14 W
929003556108	MAS LEDtube 1200mm HO 14W840 T8	14 W

Order Code	Full Product Name	Power Consumption
929003556208	MAS LEDtube 1200mm HO 14W865 T8	14 W
929003557208	MAS LEDtube 600mm HO 8W830 T8	8 W
929003557308	MAS LEDtube 600mm HO 8W840 T8	8 W
929003557408	MAS LEDtube 600mm HO 8W865 T8	8 W
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	12.5 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
929001298402	MAS LEDtube 900mm HO 12W 840 T8	12 kWh
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	-
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	-
929003556008	MAS LEDtube 1200mm HO 14W830 T8	-
929003556108	MAS LEDtube 1200mm HO 14W840 T8	-
929003556208	MAS LEDtube 1200mm HO 14W865 T8	-
929003557208	MAS LEDtube 600mm HO 8W830 T8	-
929003557308	MAS LEDtube 600mm HO 8W840 T8	-
929003557408	MAS LEDtube 600mm HO 8W865 T8	-
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	13 kWh



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