



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

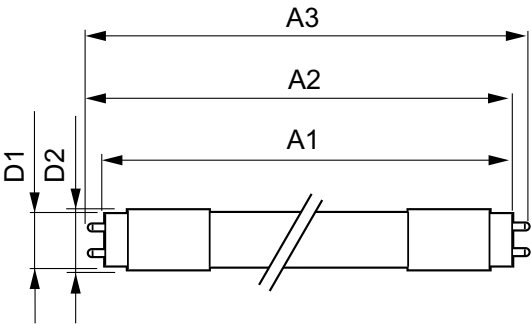
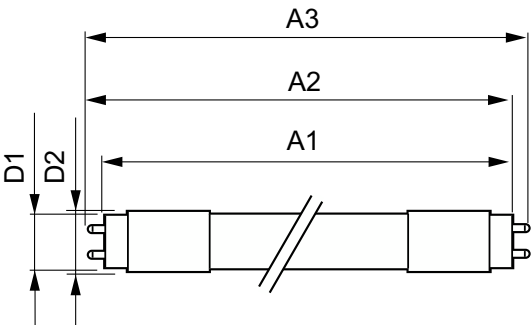


LEDtubes, 600mm 8.5W, 900mm 10.5W, 1200mm 12W, 1200mm 15W



LEDtube 600mm 7W G13

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 14W865 100-277V T8 PH	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm 15.5W865 T8 TW	25.6 mm	27.9 mm	1,199 mm	1,205 mm	1,213 mm
MAS LEDtube 1200mm HO 13W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 13W840 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 14W865 T8 PH	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	595.7 mm	598.8 mm	604 mm
MAS LEDtube 600mm HO 8W840 T8	25.8 mm	28 mm	595.7 mm	598.8 mm	604 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 10W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube STD 1200mm 10W865 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
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	Order Code	Full Product Name	Cap-Base	Nominal lifetime
929001298402	MAS LEDtube 900mm HO 12W 840 T8	G13 ROT	75,000 hour(s)	929003557408	MAS LEDtube 600mm HO 8W865 T8	G13	60,000 hour(s)
929001375588	MAS LEDtube 1200mm 14W865 100-277V T8 PH	G13	50,000 hour(s)	929003805708	MAS LEDtube 600mm HO 8W830 T8	G13	60,000 hour(s)
929003103108	MAS LEDtube 1200mm 15.5W865 T8 TW	G13	50,000 hour(s)	929003805808	MAS LEDtube 600mm HO 8W840 T8	G13	60,000 hour(s)
929003556008	MAS LEDtube 1200mm HO 14W830 T8	G13	60,000 hour(s)	929003806008	MAS LEDtube 1200mm HO 13W830 T8	G13	60,000 hour(s)
929003556288	MAS LEDtube 1200mm HO 14W865 T8 PH	G13	60,000 hour(s)	929003806108	MAS LEDtube 1200mm HO 13W840 T8	G13	60,000 hour(s)
				929003806308	MAS LEDtube STD 1200mm 10W840 T8	G13	60,000 hour(s)
				929003806408	MAS LEDtube STD 1200mm 10W865 T8	G13	60,000 hour(s)

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index		Luminous Flux
				(CRI)	Color Code	
929001298402	MAS LEDtube 900mm HO 12W 840 T8	160 degree(s)	4000 K	80	840	1,575 lm
929001375588	MAS LEDtube 1200mm 14W865 100-277V T8 PH	160 degree(s)	6500 K	80	865	2,100 lm
929003103108	MAS LEDtube 1200mm 15.5W865 T8 TW	160 degree(s)	6500 K	80	865	2,500 lm
929003556008	MAS LEDtube 1200mm HO 14W830 T8	190 degree(s)	3000 K	80	830	2,000 lm
929003556288	MAS LEDtube 1200mm HO 14W865 T8 PH	190 degree(s)	6500 K	80	865	2,100 lm
929003557408	MAS LEDtube 600mm HO 8W865 T8	190 degree(s)	6500 K	83	865	1,050 lm
929003805708	MAS LEDtube 600mm HO 8W830 T8	190 degree(s)	3000 K	80	830	1,150 lm
929003805808	MAS LEDtube 600mm HO 8W840 T8	190 degree(s)	4000 K	80	840	1,200 lm
929003806008	MAS LEDtube 1200mm HO 13W830 T8	190 degree(s)	3000 K	80	830	2,000 lm
929003806108	MAS LEDtube 1200mm HO 13W840 T8	190 degree(s)	4000 K	80	840	2,100 lm
929003806308	MAS LEDtube STD 1200mm 10W840 T8	190 degree(s)	4000 K	80	840	1,600 lm
929003806408	MAS LEDtube STD 1200mm 10W865 T8	190 degree(s)	6500 K	80	865	1,600 lm

Operating and Electrical

MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929001298402	MAS LEDtube 900mm HO 12W 840 T8	50 to 60 Hz	12 W	0.5 s	-
929001375588	MAS LEDtube 1200mm 14W865 100-277V T8 PH	-	14 W	0.5 s	36 W
929003103108	MAS LEDtube 1200mm 15.5W865 T8 TW	50 to 60 Hz	15.5 W	0.9 s	-
929003556008	MAS LEDtube 1200mm HO 14W830 T8	50 to 60 Hz	14 W	0.5 s	-
929003556288	MAS LEDtube 1200mm HO 14W865 T8 PH	-	14 W	0.5 s	36 W
929003557408	MAS LEDtube 600mm HO 8W865 T8	50 to 60 Hz	8 W	0.5 s	-

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003805708	MAS LEDtube 600mm HO 8W830 T8	-	8 W	0.5 s	18 W
929003805808	MAS LEDtube 600mm HO 8W840 T8	-	8 W	0.5 s	18 W
929003806008	MAS LEDtube 1200mm HO 13W830 T8	-	13 W	0.5 s	36 W
929003806108	MAS LEDtube 1200mm HO 13W840 T8	-	13 W	0.5 s	36 W
929003806308	MAS LEDtube STD 1200mm 10W840 T8	-	10 W	0.5 s	36 W
929003806408	MAS LEDtube STD 1200mm 10W865 T8	-	10 W	0.5 s	36 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001298402	MAS LEDtube 900mm HO 12W 840 T8	50 °C
929001375588	MAS LEDtube 1200mm 14W865 100-277V T8 PH	55 °C
929003103108	MAS LEDtube 1200mm 15.5W865 T8 TW	65 °C
929003556008	MAS LEDtube 1200mm HO 14W830 T8	50 °C
929003556288	MAS LEDtube 1200mm HO 14W865 T8 PH	50 °C
929003557408	MAS LEDtube 600mm HO 8W865 T8	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003805708	MAS LEDtube 600mm HO 8W830 T8	50 °C
929003805808	MAS LEDtube 600mm HO 8W840 T8	50 °C
929003806008	MAS LEDtube 1200mm HO 13W830 T8	50 °C
929003806108	MAS LEDtube 1200mm HO 13W840 T8	50 °C
929003806308	MAS LEDtube STD 1200mm 10W840 T8	50 °C
929003806408	MAS LEDtube STD 1200mm 10W865 T8	50 °C

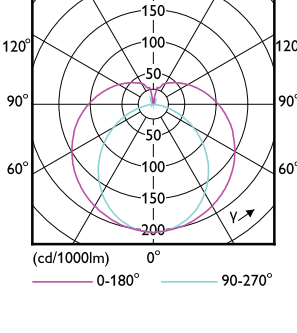
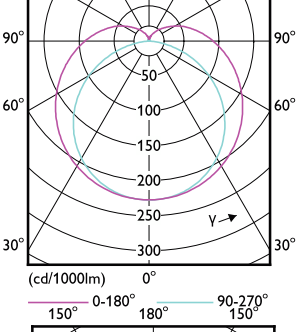
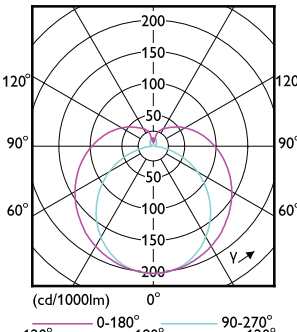
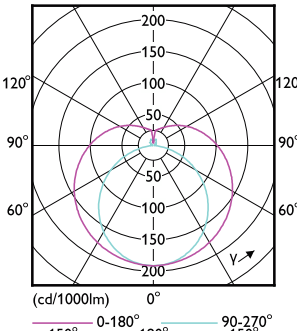
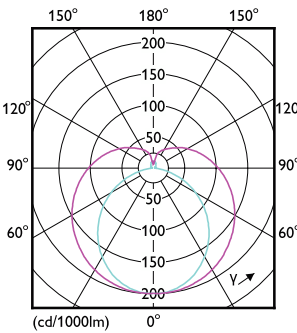
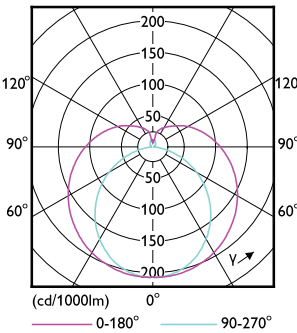
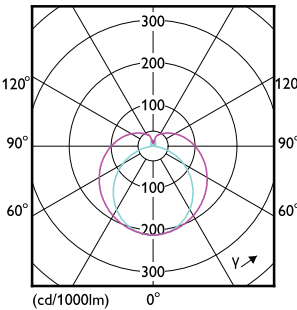
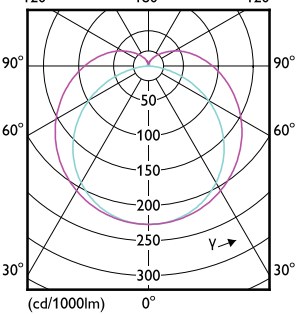
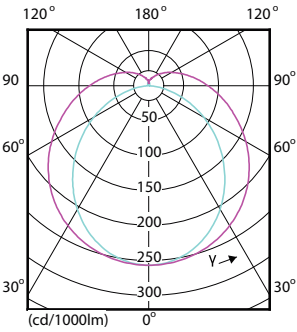
Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy
			Consumption kWh/1000 h
929001298402	MAS LEDtube 900mm HO 12W 840 T8	-20 °C to 45 °C	12 kWh
929001375588	MAS LEDtube 1200mm 14W865 100-277V T8 PH	-20 to +45 °C	-
929003103108	MAS LEDtube 1200mm 15.5W865 T8 TW	-20 °C to 45 °C	-
929003556008	MAS LEDtube 1200mm HO 14W830 T8	-20 °C to 45 °C	-
929003556288	MAS LEDtube 1200mm HO 14W865 T8 PH	-20 to +45 °C	-

Order Code	Full Product Name	Ambient temperature range	Energy
			Consumption kWh/1000 h
929003557408	MAS LEDtube 600mm HO 8W865 T8	-20 °C to 45 °C	-
929003805708	MAS LEDtube 600mm HO 8W830 T8	-20 to +45 °C	-
929003805808	MAS LEDtube 600mm HO 8W840 T8	-20 to +45 °C	-
929003806008	MAS LEDtube 1200mm HO 13W830 T8	-20 to +45 °C	-
929003806108	MAS LEDtube 1200mm HO 13W840 T8	-20 to +45 °C	-

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Order Code	Full Product Name	Ambient temperature range	Energy
			Consumption kWh/1000 h
929003806308	MAS LEDtube STD 1200mm 10W840 T8	-20 to +45 °C	-
929003806408	MAS LEDtube STD 1200mm 10W865 T8	-20 to +45 °C	-



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