



The new generation of energy saving tube lighting

MASTER LEDtube 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. This product is the ideal solution for up lighting in general lighting applications.

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 or HF electronic gear
- Full safety features and EM Protector safety device
- No mercury

Application

- Car parks
- Warehouses
- Transport and distribution areas
- Front & back of house retail & hospitality

Warnings and Safety

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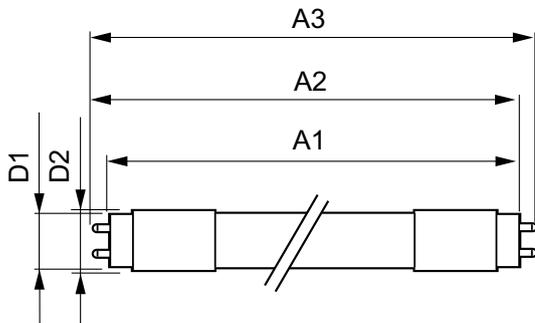
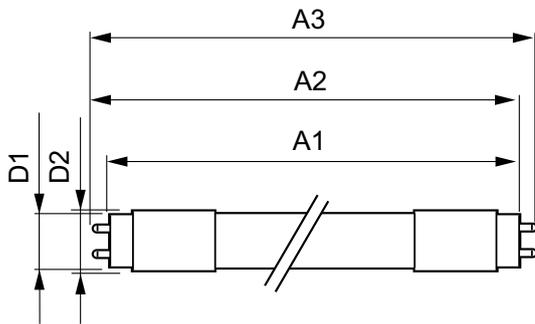
Versions



LEDtube T8 G13 2

LEDtube MAS GM 20,5W G13

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 14.7W850 T8 SH	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 600mm HO 8W850 T8 SH	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
Master LEDTube 1200mm 12.5W 865 T8 W JP	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
Master LEDTube 580mm 8W 865 T8 I W JP	25.7 mm	28 mm	580.1 mm	587.2 mm	594.3 mm

Product	D1	D2	A1	A2	A3
MAS LEDtube 580mm 6.5W865 T8 TW	25.6 mm	28 mm	580 mm	586.5 mm	594 mm

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General Information	
Switching Cycle	200,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Beam Angle (Nom)	160 degree(s)
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Cap-Base
929001860848	Master LEDTube 580mm 8W 865 T8 I W JP	G13
929003622121	MAS LEDtube 1200mm UO 14.7W850 T8 SH	G13 Rotatable end-cap
929004578821	MAS LEDtube 600mm HO 8W850 T8 SH	G13 Rotatable end-cap
929003636408	MAS LEDtube 580mm 6.5W865 T8 TW	G13
929001953048	Master LEDTube 1200mm 12.5W 865 T8 W JP	G13

Light Technical

Order Code	Full Product Name	Correlated Color		Color Code	Luminous Flux
		Temperature (Nom)	rendering index (CRI)		
929001860848	Master LEDTube 580mm 8W 865 T8 I W JP	6500 K	80	865	1,050 lm
929003622121	MAS LEDtube 1200mm UO 14.7W850 T8 SH	5000 K	80	850	2,500 lm
929004578821	MAS LEDtube 600mm HO 8W850 T8 SH	5000 K	80	850	1,050 lm

Order Code	Full Product Name	Correlated Color		Color Code	Luminous Flux
		Temperature (Nom)	rendering index (CRI)		
929003636408	MAS LEDtube 580mm 6.5W865 T8 TW	6500 K	80	865	1,050 lm
929001953048	Master LEDTube 1200mm 12.5W 865 T8 W JP	6500 K	83	865	2,000 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929001860848	Master LEDTube 580mm 8W 865 T8 I W JP	50 to 60 Hz	8 W	-
929003622121	MAS LEDtube 1200mm UO 14.7W850 T8 SH	50 to 60 Hz	14.7 W	-
929004578821	MAS LEDtube 600mm HO 8W850 T8 SH	-	8 W	18 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929003636408	MAS LEDtube 580mm 6.5W865 T8 TW	-	6.5 W	18 W
929001953048	Master LEDTube 1200mm 12.5W 865 T8 W JP	50 to 60 Hz	12.5 W	-

Temperature

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Order Code	Full Product Name	T-Case Maximum (Nom)
929001860848	Master LEDTube 580mm 8W 865 T8 I W JP	50 °C
929003622121	MAS LEDtube 1200mm UO 14.7W850 T8 SH	55 °C
929004578821	MAS LEDtube 600mm HO 8W850 T8 SH	45 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003636408	MAS LEDtube 580mm 6.5W865 T8 TW	40 °C
929001953048	Master LEDTube 1200mm 12.5W 865 T8 W JP	55 °C

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929001860848	Master LEDTube 580mm 8W 865 T8 I W JP	-20 °C to 45 °C
929003622121	MAS LEDtube 1200mm UO 14.7W850 T8 SH	-20 °C to 45 °C
929004578821	MAS LEDtube 600mm HO 8W850 T8 SH	-20 to +45 °C
929003636408	MAS LEDtube 580mm 6.5W865 T8 TW	-20 to +45 °C
929001953048	Master LEDTube 1200mm 12.5W 865 T8 W JP	-20 °C to 45 °C

