



The new generation of energy saving tube lighting

MASTER LEDtube InstantFit HF

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 50,000 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

Warnings and Safety

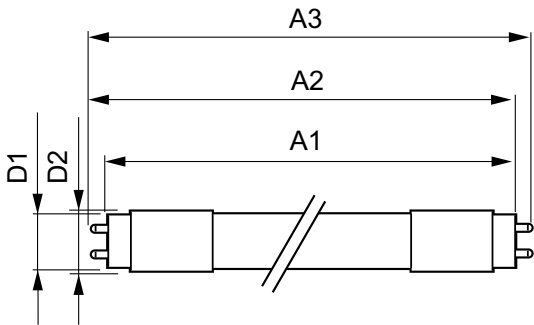
- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

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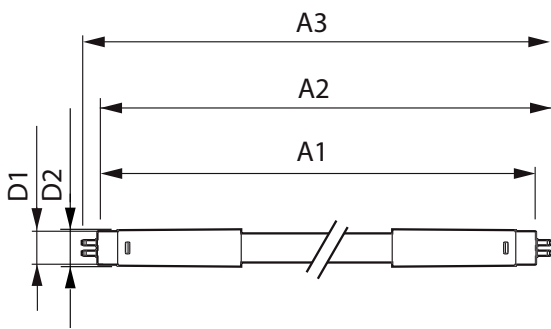
Versions



Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 1500mm HO 20W865 T8	25.6 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MASTER LEDtube HF 1200mm HO 14W840 T8	25.6 mm	28 mm	1198.1 mm	1205.2 mm	1212.3 mm
MASTER LEDtube HF 1500mm UO 24W840 T8	25.6 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm



Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 600mm HO 8W840 T8	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

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Controls and Dimming

Dimmable	No
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Operating and Electrical

Starting Time (Nom)	0.5 s
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General Information

Cap-Base	G13 ROT (Rotating)
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Nominal Lifetime (Nom)	60000 h
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Switching Cycle	50,000X
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Light Technical

Beam Angle (Nom)	160 °
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Colour Rendering Index (Nom)	83
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Llmf At End Of Nominal Lifetime (Nom)	70 %
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Mechanical and Housing

Bulb Shape	Tube, double-ended
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Temperature

T-Ambient (Max)	45 °C
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T-Ambient (Min)	-20 °C
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T-Storage (Max)	65 °C
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T-Storage (Min)	-40 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
68748200	MASTER LEDtube HF 1200mm HO 14W840 T8	14 kWh
68756700	MASTER LEDtube HF 1500mm HO 20W865 T8	20 kWh
68802100	MASTER LEDtube HF 1500mm UO 24W840 T8	24 kWh
74355300	MASTER LEDtube HF 600mm HO 8W840 T8	8 kWh

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Nom)
68748200	MASTER LEDtube HF 1200mm HO 14W840 T8	20000-75000 Hz	30-80 V	14 W
68756700	MASTER LEDtube HF 1500mm HO 20W865 T8	20000-75000 Hz	30-80 V	20 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Nom)
68802100	MASTER LEDtube HF 1500mm UO 24W840 T8	20000-75000 Hz	30-80 V	24 W
74355300	MASTER LEDtube HF 600mm HO 8W840 T8	20000-80000 Hz	20-50 V	8 W

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
68748200	MASTER LEDtube HF 1200mm HO 14W840 T8	840	4000 K	2100 lm
68756700	MASTER LEDtube HF 1500mm HO 20W865 T8	865	6500 K	3100 lm

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
68802100	MASTER LEDtube HF 1500mm UO 24W840 T8	840	4000 K	3700 lm
74355300	MASTER LEDtube HF 600mm HO 8W840 T8	840	4000 K	1050 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
68748200	MASTER LEDtube HF 1200mm HO 14W840 T8	55 °C
68756700	MASTER LEDtube HF 1500mm HO 20W865 T8	55 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
68802100	MASTER LEDtube HF 1500mm UO 24W840 T8	55 °C
74355300	MASTER LEDtube HF 600mm HO 8W840 T8	60 °C

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