



Universal T8 LEDtube lighting now easier and simpler than ever

MASTER LEDtube Universal T8

The new Philips MASTER LEDtube Universal T8 brings ease and simplicity to your lighting project. That's because you do not need to match the driver technology anymore: a unique design enables the Philips MASTER LEDtube Universal T8 to directly fit in luminaires operating on either electromagnetic ballasts or HF electronic ballasts or mains power connection. It is so simple to operate and you no longer need to stock two types of tubes! Perfectly safe, reliable & easy to install Philips MASTER LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to maximize value over lifetime with high energy saving and lower maintenance costs.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to longer lifetime than conventional lamps
- Fastest and easiest way to upgrade existing luminaires to LED technology through a completely safe product and installation process

Features

- Replacement of existing T8 lamps on both EM/HF ballast and mains power connection installation
- Energy savings compared with fluorescent tubes
- Long lifetime
- InstantFit technology for largest ballast compatibility
- No mercury

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Application

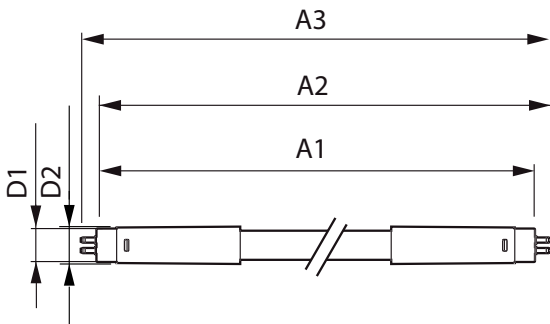
- Office, shop, education, retail
- Industrial facilities and warehouses

Versions



LEDtube G13

Dimensional drawing



Product	D1	D2	A1	A2	A3
Master LEDtube Universal 1200mm UO 16W830 T8	25.7 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm
Master LEDtube Universal 1500mm UO 24W865 T8	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
Master LEDtube Universal 1200mm UO 16W840 T8	25.7 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm
Master LEDtube Universal 1500mm UO 24W830 T8	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
Master LEDtube Universal 1200mm UO 16W865 T8	25.7 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm
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Approval and Application

Energy Efficiency Label (EEL) A++

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 220-240 V

Starting Time (Nom) 0.5 s

General Information

Cap-Base G13

Nominal Lifetime (Nom) 50000 h

Rated Lifetime (Hours) 50000 h

Switching Cycle 50000X

Light Technical

Color Rendering Index (Nom) 83

Llmf At End Of Nominal Lifetime (Nom) 70 %

Temperature

T-Ambient (Max) 45 °C

T-Ambient (Min) -20 °C

T-Case Maximum (Nom) 45 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001336002	Master LEDtube Universal 1200mm UO 16W830 T8	16 kWh
929001336102	Master LEDtube Universal 1200mm UO 16W840 T8	16 kWh
929001336202	Master LEDtube Universal 1200mm UO 16W865 T8	16 kWh
929001336302	Master LEDtube Universal 1500mm UO 24W830 T8	24 kWh
929001336402	Master LEDtube Universal 1500mm UO 24W840 T8	24 kWh
929001336502	Master LEDtube Universal 1500mm UO 24W865 T8	24 kWh

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929001336002	Master LEDtube Universal 1200mm UO 16W830 T8	16 W
929001336102	Master LEDtube Universal 1200mm UO 16W840 T8	16 W
929001336202	Master LEDtube Universal 1200mm UO 16W865 T8	16 W

Order Code	Full Product Name	Power (Rated) (Nom)
929001336302	Master LEDtube Universal 1500mm UO 24W830 T8	24 W
929001336402	Master LEDtube Universal 1500mm UO 24W840 T8	24 W
929001336502	Master LEDtube Universal 1500mm UO 24W865 T8	24 W

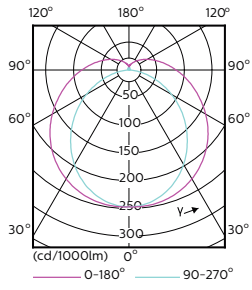
Light Technical

Order Code	Full Product Name	Correlated Color		Luminous	
		Color Code	Temperature (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
929001336002	Master LEDtube Universal 1200mm UO 16W830 T8	830	3000 K	2300 lm	2300 lm
929001336102	Master LEDtube Universal 1200mm UO 16W840 T8	840	4000 K	2500 lm	2500 lm
929001336202	Master LEDtube Universal 1200mm UO 16W865 T8	865	6500 K	2500 lm	2500 lm

Order Code	Full Product Name	Correlated Color		Luminous	
		Color Code	Temperature (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
929001336302	Master LEDtube Universal 1500mm UO 24W830 T8	830	3000 K	3400 lm	3400 lm
929001336402	Master LEDtube Universal 1500mm UO 24W840 T8	840	4000 K	3700 lm	3700 lm
929001336502	Master LEDtube Universal 1500mm UO 24W865 T8	865	6500 K	3700 lm	3700 lm

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Light Distribution Diagrams



LEDtube 1200mm 16W G13

