



Universal T8 LEDtube lighting now easier and simpler than ever

Master Value 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

Application

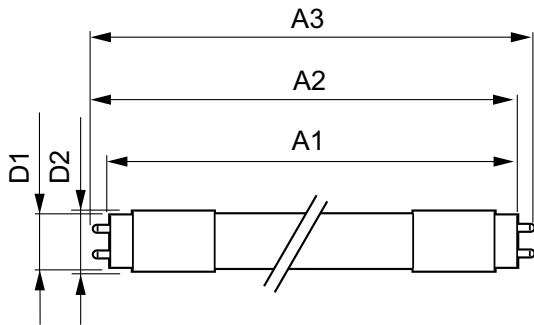
- Office, shop, education, retail
- Industrial facilities and warehouses

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Versions



Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube VLE UN 1200mm UO 16W840 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1213.6 mm
MAS LEDtube VLE UN 1500mm UO 24W840 T8	25.7 mm	28 mm	1500 mm	1505.9 mm	1514.2 mm
MAS LEDtube VLE UN 1500mm UO 24W830 T8	25.7 mm	28 mm	1500 mm	1505.9 mm	1514.2 mm
MAS LEDtube VLE UN 1200mm UO 16W830 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1213.6 mm
MAS LEDtube VLE UN 1200mm UO 16W865 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1213.6 mm
MAS LEDtube VLE UN 1500mm UO 24W865 T8	25.7 mm	28 mm	1500 mm	1505.9 mm	1514.2 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

Switching Cycle 50000X

Light Technical

Beam Angle (Nom) 240 °

Color Rendering Index (Nom) 83

Llmf At End Of Nominal Lifetime (Nom) 70 %

Mechanical and Housing

Bulb Finish Frosted

Bulb Shape Tube, double-ended

Temperature

T-Ambient (Max) 45 °C

T-Ambient (Min) -20 °C

T-Case Maximum (Nom) 50 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002333002	MAS LEDtube VLE UN 1200mm UO 16W830 T8	16 kWh
929002333102	MAS LEDtube VLE UN 1200mm UO 16W840 T8	16 kWh
929002333202	MAS LEDtube VLE UN 1200mm UO 16W865 T8	16 kWh
929002333302	MAS LEDtube VLE UN 1500mm UO 24W830 T8	24 kWh
929002333402	MAS LEDtube VLE UN 1500mm UO 24W840 T8	24 kWh
929002333502	MAS LEDtube VLE UN 1500mm UO 24W865 T8	24 kWh

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929002333002	MAS LEDtube VLE UN 1200mm UO 16W830 T8	16 W
929002333102	MAS LEDtube VLE UN 1200mm UO 16W840 T8	16 W
929002333202	MAS LEDtube VLE UN 1200mm UO 16W865 T8	16 W

Order Code	Full Product Name	Power (Rated) (Nom)
929002333302	MAS LEDtube VLE UN 1500mm UO 24W830 T8	24 W
929002333402	MAS LEDtube VLE UN 1500mm UO 24W840 T8	24 W
929002333502	MAS LEDtube VLE UN 1500mm UO 24W865 T8	24 W

Light Technical

Order Code	Full Product Name	Correlated Color		
		Color Code	Temperature (Nom)	Luminous Flux (Nom)
929002333002	MAS LEDtube VLE UN 1200mm UO 16W830 T8	830	3000 K	2300 lm
929002333102	MAS LEDtube VLE UN 1200mm UO 16W840 T8	840	4000 K	2500 lm
929002333202	MAS LEDtube VLE UN 1200mm UO 16W865 T8	865	6500 K	2500 lm

Order Code	Full Product Name	Correlated Color		
		Color Code	Temperature (Nom)	Luminous Flux (Nom)
929002333302	MAS LEDtube VLE UN 1500mm UO 24W830 T8	830	3000 K	3400 lm
929002333402	MAS LEDtube VLE UN 1500mm UO 24W840 T8	840	4000 K	3700 lm
929002333502	MAS LEDtube VLE UN 1500mm UO 24W865 T8	865	6500 K	3700 lm

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