



# Universal T8 LEDtube lighting now easier and simpler than ever

## MASTER Value LEDtube Universal T8

The new Philips MASTER Value 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 Value 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 Value 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

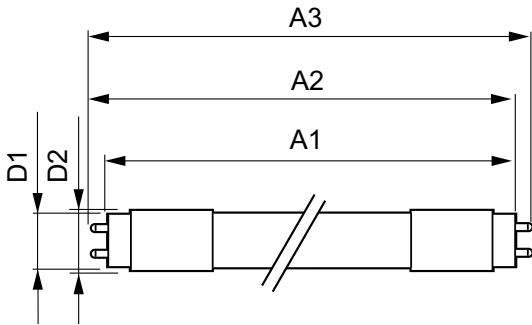
- Replacement of existing T8 lamps on both EM/HF ballast and mains power connection installation
- Energy savings compared with fluorescent tubes
- Long lifetime
- InstantFit technology for largest ballast compatibility
- No mercury

### Application

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

# MASTER Value LEDtube Universal T8

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube VLE UN 1200mm UO 15.5W830 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm
MAS LEDtube VLE UN 1200mm UO 15.5W840 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm
MAS LEDtube VLE UN 1200mm UO 15.5W865 T8	26 mm	28 mm	1,199 mm	1,205 mm	1,213 mm
MAS LEDtube VLE UN 1500mm UO 23W830 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 mm
MAS LEDtube VLE UN 1500mm UO 23W840 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 mm
MAS LEDtube VLE UN 1500mm UO 23W865 T8	26 mm	28 mm	1,500 mm	1,506 mm	1,514 mm

### General Information

Cap-Base	G13
Switching Cycle	50,000
Nominal lifetime	60,000 hour(s)

### Light Technical

Beam Angle (Nom)	190 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

### Operating and Electrical

Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s

### Temperature

Ambient temperature range	-20 to +45 °C
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### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T8

## Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
929002997002	MAS LEDtube VLE UN 1200mm UO 15.5W830 T8	3000 K	830	2,300 lm
929002997102	MAS LEDtube VLE UN 1200mm UO 15.5W840 T8	4000 K	840	2,500 lm
929002997202	MAS LEDtube VLE UN 1200mm UO 15.5W865 T8	6500 K	865	2,500 lm
929002997302	MAS LEDtube VLE UN 1500mm UO 23W830 T8	3000 K	830	3,400 lm
929002997402	MAS LEDtube VLE UN 1500mm UO 23W840 T8	4000 K	840	3,700 lm
929002997502	MAS LEDtube VLE UN 1500mm UO 23W865 T8	6500 K	865	3,700 lm

## Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
929002997002	MAS LEDtube VLE UN 1200mm UO 15.5W830 T8	15.5 W	929002997302	MAS LEDtube VLE UN 1500mm UO 23W830 T8	23 W
929002997102	MAS LEDtube VLE UN 1200mm UO 15.5W840 T8	15.5 W	929002997402	MAS LEDtube VLE UN 1500mm UO 23W840 T8	23 W
929002997202	MAS LEDtube VLE UN 1200mm UO 15.5W865 T8	15.5 W	929002997502	MAS LEDtube VLE UN 1500mm UO 23W865 T8	23 W

## Temperature

# MASTER Value LEDtube Universal T8

Order Code	Full Product Name	T-Case Maximum (Nom)
929002997002	MAS LEDtube VLE UN 1200mm UO 15.5W830 T8	50 °C
929002997102	MAS LEDtube VLE UN 1200mm UO 15.5W840 T8	50 °C
929002997202	MAS LEDtube VLE UN 1200mm UO 15.5W865 T8	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002997302	MAS LEDtube VLE UN 1500mm UO 23W830 T8	55 °C
929002997402	MAS LEDtube VLE UN 1500mm UO 23W840 T8	55 °C
929002997502	MAS LEDtube VLE UN 1500mm UO 23W865 T8	55 °C

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002997002	MAS LEDtube VLE UN 1200mm UO 15.5W830 T8	16 kWh
929002997102	MAS LEDtube VLE UN 1200mm UO 15.5W840 T8	16 kWh
929002997202	MAS LEDtube VLE UN 1200mm UO 15.5W865 T8	16 kWh
929002997302	MAS LEDtube VLE UN 1500mm UO 23W830 T8	23 kWh
929002997402	MAS LEDtube VLE UN 1500mm UO 23W840 T8	23 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002997502	MAS LEDtube VLE UN 1500mm UO 23W865 T8	23 kWh

