



# The easy way to smart lighting

## MasterConnect LEDtube EM/Mains T8

Philips MasterConnect LEDtube EM/Mains T8 makes it easy to upgrade to a connected lighting system. Its 2.4 GHz mesh networking technology enables wireless integration with a variety of control devices, such as sensors and switches. The result? Even more energy saving and enhanced flexibility in your space. Through dimming, occupancy sensing and/or daylight harvesting, lamps deliver 50% or more energy saving thanks to MasterConnect technology.

### Benefits

- 50% energy saving vs conventional lamps, plus 20-40% via advanced controls
- On/off, dimming and scene setting to promote productivity and user comfort
- A flexible lighting solution to meet your dynamic needs in the space

### Features

- Retrofit to existing fluorescent lamps on EM ballast installations
- Superior lighting performance over 50,000 hrs lifetime
- Easy to commission and (re-)configure
- Reliable and secure wireless communication within a 2.4 GHz mesh network

### Application

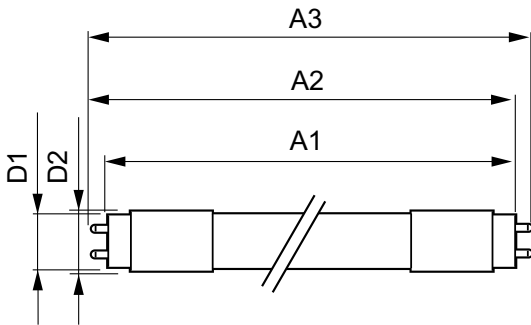
- Office, education and retail
- Parking, industry and warehouses

# MasterConnect LEDtube EM/Mains T8

## Versions



## Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1212.4 mm
MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1212.4 mm
MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1212.4 mm
MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1212.4 mm

# MasterConnect LEDtube EM/Mains T8

## Approval and Application

Energy Consumption kWh/1000 h	17 kWh
Energy Efficiency Label (EEL)	A++

## Controls and Dimming

Dimmable	Wireless Dim
----------	--------------

## Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Power (Rated) (Nom)	16.5 W
Starting Time (Nom)	0.5 s

## General Information

Cap-Base	G13
Nominal Lifetime (Nom)	50000 h
Switching Cycle	200,000X

## Light Technical

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

## Mechanical and Housing

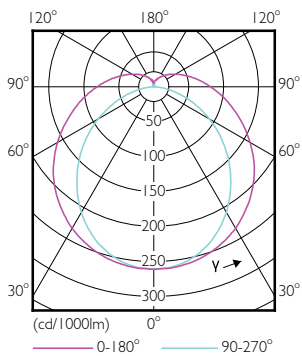
Bulb Shape	Tube, double-ended
------------	--------------------

## 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

## Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
929001813710	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	830	3000 K	2300 lm
929001813802	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	840	4000 K	2500 lm
929001813902	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	865	6500 K	2500 lm
929001813910	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	865	6500 K	2500 lm



## MasterConnect LEDtube EM/Mains T8

