



# The easy way to smart lighting

## MasterConnect LEDtube EM/Mains T8

Philips MasterConnect LEDtube EM/Mains T8 means easy upgrade to a connected lighting system. Its 2.4GHz mesh networking technology enables wireless integration with a variety of control devices, such as sensor and switch. 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
- Flexible lighting solution to meet dynamic needs in the space

### Features

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

### Application

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

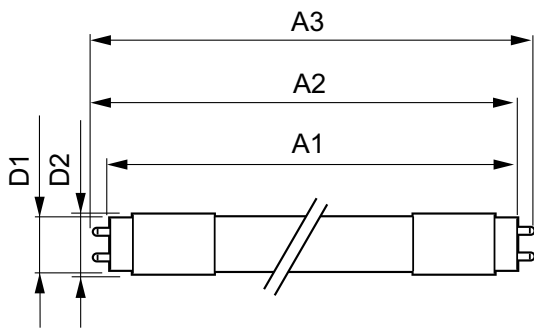
# MasterConnect LEDtube EM/Mains T8

## Versions



G13

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	25.7	28 mm	1199.4	1205.3	1212.4
MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	25.7	28 mm	1199.4	1205.3	1212.4
MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	25.7	28 mm	1199.4	1205.3	1212.4
MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	25.7	28 mm	1199.4	1205.3	1212.4
MASTERConnect LEDtube IA 1500mm UO 25.5W865 T8	25.7	28 mm	1500 mm	1507.1	1514.2
MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	25.7	28 mm	1500 mm	1507.1	1514.2
MASTERConnect LEDtube IA 1500mm UO 25.5W830 T8	25.7	28 mm	1500 mm	1507.1	1514.2
MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	25.7	28 mm	1199.4	1205.3	1212.4
MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	25.7	28 mm	1199.4	1205.3	1212.4

# MasterConnect LEDtube EM/Mains T8

## Approval and Application

Energy Efficiency Label (EEL)	A++
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## Controls and Dimming

Dimmable	Wireless Dim
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## 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	200000X

## Light Technical

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

## 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
929001813702	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	17 kWh
929001813710	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	17 kWh
929001813802	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	17 kWh
929001813810	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	17 kWh
929001813902	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	17 kWh
929001813910	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	17 kWh
929001814002	MASTERConnect LEDtube IA 1500mm UO 25.5W830 T8	26 kWh
929001814102	MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	26 kWh
929001814202	MASTERConnect LEDtube IA 1500mm UO 25.5W865 T8	26 kWh

## Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929001813702	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	16.5 W
929001813710	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	16.5 W
929001813802	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	16.5 W
929001813810	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	16.5 W
929001813902	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	16.5 W

Order Code	Full Product Name	Power (Rated) (Nom)
929001813910	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	16.5 W
929001814002	MASTERConnect LEDtube IA 1500mm UO 25.5W830 T8	25.5 W
929001814102	MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	25.5 W
929001814202	MASTERConnect LEDtube IA 1500mm UO 25.5W865 T8	25.5 W

## Light Technical

## MasterConnect LEDtube EM/Mains T8

Order Code	Full Product Name	Color Code	Correlated Color		Luminous Flux (Rated)
			Temperature (Nom)	Luminous Flux (Nom)	
929001813702	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	830	3000 K	2300 lm	2300 lm
929001813710	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	830	3000 K	2300 lm	2300 lm
929001813802	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	840	4000 K	2500 lm	2500 lm
929001813810	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	840	4000 K	2500 lm	2500 lm
929001813902	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	865	6500 K	2500 lm	2500 lm
929001813910	MASTERConnect LEDtube IA 1200mm UO 16.5W865 T8	865	6500 K	2500 lm	2500 lm

Order Code	Full Product Name	Color Code	Correlated Color		Luminous Flux (Rated)
			Temperature (Nom)	Luminous Flux (Nom)	
929001814002	MASTERConnect LEDtube IA 1500mm UO 25.5W830 T8	830	3000 K	3400 lm	3400 lm
929001814102	MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	840	4000 K	3700 lm	3700 lm
929001814202	MASTERConnect LEDtube IA 1500mm UO 25.5W865 T8	865	6500 K	3700 lm	3700 lm

