



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

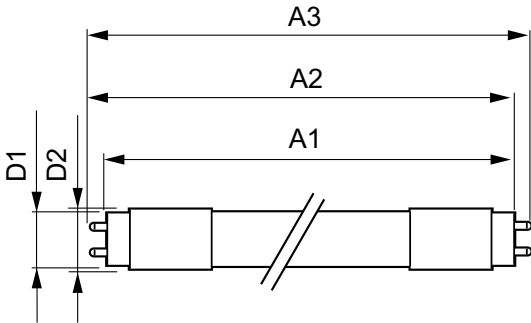
- Office, education and retail
- Parking, industry and warehouses

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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 1500mm UO 25.5W840 T8	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1212.4 mm

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Approval and Application	
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
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

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
77342000	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	17 kWh
77344400	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	17 kWh
77350500	MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	26 kWh

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
77342000	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	16.5 W
77344400	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	16.5 W

Order Code	Full Product Name	Power (Rated) (Nom)
77350500	MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	25.5 W

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
77342000	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8	830	3000 K	2300 lm
77344400	MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8	840	4000 K	2500 lm

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
77350500	MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8	840	4000 K	3700 lm

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