



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

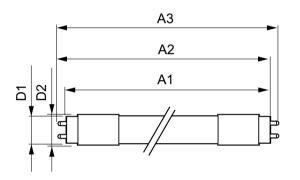
- Office, education and retail
- $\boldsymbol{\cdot}$ Parking, industry and warehouses

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Versions



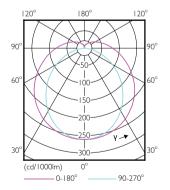
Dimensional drawing



D1	D2	A1	A2	A3
25.7	28 mm	1199.4	1205.3	1212.4
mm		mm	mm	mm
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	25.7 mm 25.7 mm 25.7	25.7 28 mm mm 25.7 28 mm mm 25.7 28 mm	25.7 28 mm 1199.4 mm mm 25.7 28 mm 1199.4 mm mm 25.7 28 mm 1199.4 25.7 28 mm 1199.4	25.7 28 mm 1199.4 1205.3 mm mm mm 25.7 28 mm 1199.4 1205.3 mm mm mm 25.7 28 mm 1199.4 1205.3 mm mm mm 25.7 28 mm 1199.4 1205.3

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Approval and Application		
Energy Consumption kWh/1000 h	17 kWh	
Energy Efficiency Label (EEL)	A++	
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	200000X	
Light Technical		
Beam Angle (Nom)	160 °	
Colour Rendering Index (Nom)	83	
Llmf At End Of Nominal Lifetime	70 %	
(Nom)		
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 ℃	
T-Storage (Min)	-40 °C	



Light Technical

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



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www.lighting.philips.com 2020, June 30 - data subject to change