



# 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

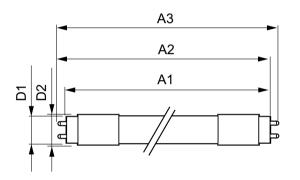
- Office, education and retail
- $\boldsymbol{\cdot}$  Parking, industry and warehouses

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## Versions



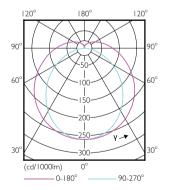
# Dimensional drawing



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

# MasterConnect LEDtube EM/Mains T8

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