



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

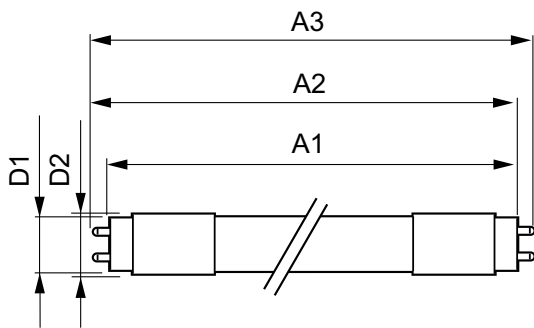
MasterConnect LEDtube EM/Mains T8

Versions



G13

Dimensional drawing



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

MasterConnect LEDtube EM/Mains T8

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 | 200000X |

Light Technical

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

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

| Order Code | Full Product Name | Correlated Color | | |
|--------------|--|------------------|-------------------|---------------------|
| | | Color Code | Temperature (Nom) | Luminous Flux (Nom) |
| 929001813702 | MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8 | 830 | 3000 K | 2300 lm |

| Order Code | Full Product Name | Correlated Color | | |
|--------------|--|------------------|-------------------|---------------------|
| | | Color Code | Temperature (Nom) | Luminous Flux (Nom) |
| 929001813710 | MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8 | 830 | 3000 K | 2300 lm |

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| Order Code | Full Product Name | Color Code | Correlated Color | |
|--------------|--|------------|-------------------|---------------------|
| | | | Temperature (Nom) | Luminous Flux (Nom) |
| 929001813802 | MASTERConnect LEDtube IA 1200mm UO 16.5W840 T8 | 840 | 4000 K | 2500 lm |
| 929001813810 | 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 |
| 929001814002 | MASTERConnect LEDtube IA 1500mm UO 25.5W830 T8 | 830 | 3000 K | 3400 lm |
| 929001814102 | MASTERConnect LEDtube IA 1500mm UO 25.5W840 T8 | 840 | 4000 K | 3700 lm |

| Order Code | Full Product Name | Color Code | Correlated Color | |
|--------------|--|------------|-------------------|---------------------|
| | | | Temperature (Nom) | Luminous Flux (Nom) |
| 929001814202 | MASTERConnect LEDtube IA 1500mm UO 25.5W865 T8 | 865 | 6500 K | 3700 lm |

