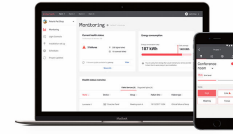




interact
ready.



Your first step into connected lighting

MasterConnect T8

Introducing MasterConnect LED lamps - smart retrofit LED lamps that give you an easy and seamless way to upgrade to connected lighting. Simply set up with an intuitive app, MasterConnect LED lamps can be programmed to maximize energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy further benefits such as remote control or management dashboard, you can simply keep the currently installed lamps and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

Benefits

- Easy to install and set up
- Enhanced energy saving and convenience thanks to advanced lighting controls
- Scalable and upgradable to cloud-based solution

Features

- Quick upgrade to smart lighting on verified HF ballasts or direct mains (UL Type A and Type B)
- Product lifetime up to 70,000hrs
- Easy to set up and control – with intuitive app
- Interact ready
- Reliable and secure wireless technology

Application

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

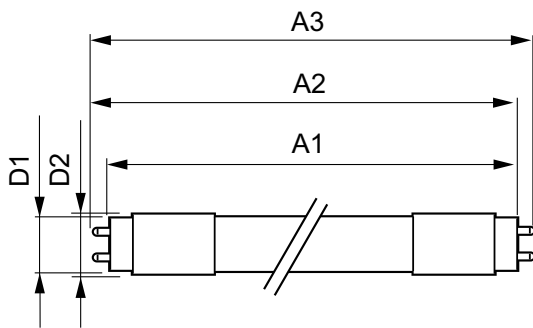
MasterConnect T8

Versions



LEDtube 14W G13 T8

Dimensional drawing



| Product | D1 | D2 | A1 | A2 | A3 |
|-------------------------------|---------|---------|----------|----------|----------|
| 14.5T8/48-835/MF20/MC IA 10/1 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |
| 14.5T8/48-840/MF21/MC IA 10/1 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |
| 14.5T8/48-850/MF21/MC IA 10/1 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |
| 14T8/48-835/IF20/MC IA 10/1 | 25.7 mm | 26.3 mm | 1,198 mm | 1,205 mm | 1,212 mm |
| 14T8/48-840/IF21/MC IA 10/1 | 25.7 mm | 26.3 mm | 1,198 mm | 1,205 mm | 1,212 mm |
| 14T8/48-850/IF21/MC IA 10/1 | 25.7 mm | 26.3 mm | 1,198 mm | 1,205 mm | 1,212 mm |

General Information

| | |
|------------------|----------------|
| Switching Cycle | 50,000 |
| Nominal lifetime | 70,000 hour(s) |

Light Technical

| | |
|---------------------------------------|---------------|
| Beam Angle (Nom) | 160 degree(s) |
| Color rendering index (CRI) | 82 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

Temperature

| | |
|---------------------------|-----------------|
| Ambient temperature range | -20 °C to 45 °C |
|---------------------------|-----------------|

Controls and Dimming

| | |
|----------|--------------|
| Dimmable | Wireless Dim |
|----------|--------------|

Mechanical and Housing

| | |
|-------------|--------------------|
| Bulb Finish | Frosted |
| Bulb Shape | Tube, double-ended |

Approval and Application

| | |
|-------------------------------|-------|
| Energy Consumption kWh/1000 h | - kWh |
|-------------------------------|-------|

General Information

| Order Code | Full Product Name | Cap-Base |
|--------------|-------------------------------|--------------------|
| 929002456604 | 14.5T8/48-835/MF20/MC IA 10/1 | G13 ROT (Rotating) |
| 929002456704 | 14.5T8/48-840/MF21/MC IA 10/1 | G13 ROT (Rotating) |
| 929002456804 | 14.5T8/48-850/MF21/MC IA 10/1 | G13 ROT (Rotating) |
| 929002051804 | 14T8/48-835/IF20/MC IA 10/1 | G13 |
| 929002051904 | 14T8/48-840/IF21/MC IA 10/1 | G13 |
| 929002052004 | 14T8/48-850/IF21/MC IA 10/1 | G13 |

MasterConnect T8

Light Technical

| Order Code | Full Product Name | Correlated Color | | |
|--------------|-------------------------------|-------------------|------------|---------------|
| | | Temperature (Nom) | Color Code | Luminous Flux |
| 929002456604 | 14.5T8/48-835/MF20/MC IA 10/1 | 3500 K | 835 | 2,000 lumen |
| 929002456704 | 14.5T8/48-840/MF21/MC IA 10/1 | 4000 K | 840 | 2,100 lumen |
| 929002456804 | 14.5T8/48-850/MF21/MC IA 10/1 | 5000 K | 850 | 2,100 lumen |

| Order Code | Full Product Name | Correlated Color | | |
|--------------|-----------------------------|-------------------|------------|---------------|
| | | Temperature (Nom) | Color Code | Luminous Flux |
| 929002051804 | 14T8/48-835/IF20/MC IA 10/1 | 3500 K | 835 | 2,000 lumen |
| 929002051904 | 14T8/48-840/IF21/MC IA 10/1 | 4000 K | 840 | 2,100 lumen |
| 929002052004 | 14T8/48-850/IF21/MC IA 10/1 | 5000 K | 850 | 2,100 lumen |

Operating and Electrical

| Order Code | Full Product Name | Input Frequency | Line Frequency | Power Consumption | Starting Time (Nom) |
|--------------|-------------------------------|-----------------|----------------|-------------------|---------------------|
| 929002456604 | 14.5T8/48-835/MF20/MC IA 10/1 | 50 to 60 Hz | 50 to 60 Hz | 14.5 W | 1 s |
| 929002456704 | 14.5T8/48-840/MF21/MC IA 10/1 | 50 to 60 Hz | 50 to 60 Hz | 14.5 W | 1 s |
| 929002456804 | 14.5T8/48-850/MF21/MC IA 10/1 | 50 to 60 Hz | 50 to 60 Hz | 14.5 W | 1 s |

| Order Code | Full Product Name | Input Frequency | Line Frequency | Power Consumption | Starting Time (Nom) |
|--------------|-----------------------------|-----------------|----------------|-------------------|---------------------|
| 929002051804 | 14T8/48-835/IF20/MC IA 10/1 | 28K to 100K Hz | 28K to 100K Hz | 14 W | 0.5 s |
| 929002051904 | 14T8/48-840/IF21/MC IA 10/1 | 28K to 100K Hz | 28K to 100K Hz | 14 W | 0.5 s |
| 929002052004 | 14T8/48-850/IF21/MC IA 10/1 | 28K to 100K Hz | 28K to 100K Hz | 14 W | 0.5 s |

Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|-------------------------------|----------------------|
| 929002456604 | 14.5T8/48-835/MF20/MC IA 10/1 | 45 °C |
| 929002456704 | 14.5T8/48-840/MF21/MC IA 10/1 | 45 °C |
| 929002456804 | 14.5T8/48-850/MF21/MC IA 10/1 | 45 °C |
| 929002051804 | 14T8/48-835/IF20/MC IA 10/1 | 40 °C |
| 929002051904 | 14T8/48-840/IF21/MC IA 10/1 | 40 °C |
| 929002052004 | 14T8/48-850/IF21/MC IA 10/1 | 40 °C |

