

# MasterConnect T8

## 14T8/48-835/IF20/MAScon IA 10/1

Philips MasterConnect LEDtube InstantFit T8, which is Interact Ready, enables an easy upgrade to a connected lighting system without re-wiring the fixtures. The 2.4GHz mesh networking technology allows wireless integration with a variety of control devices, such as sensor and switch, for easy light automation. It also offers secure and reliable communication towards the Interact IoT platform or verified third party systems. The result? Greater energy savings, various control possibilities and a more adaptable space!

### Product data

| General Information                   |                                  |
|---------------------------------------|----------------------------------|
| Base                                  | G13 [ Medium Bi-Pin Fluorescent] |
| EU RoHS compliant                     | Yes                              |
| Nominal Lifetime (Nom)                | 50000 h                          |
| Switching Cycle                       | 50000X                           |
| Light Technical                       |                                  |
| Color Code                            | 835 [ CCT of 3500K]              |
| Beam Angle (Nom)                      | 160 °                            |
| Initial lumen (Nom)                   | 2000 lm                          |
| Color Designation                     | White (WH)                       |
| Correlated Color Temperature (Nom)    | 3500 K                           |
| Luminous Efficacy (rated) (Nom)       | 142.86 lm/W                      |
| Color Consistency                     | <6                               |
| Color Rendering Index (Nom)           | 82                               |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                             |
| Operating and Electrical              |                                  |
| Input Frequency                       | 50 to 60 Hz                      |
| Power (Rated) (Nom)                   | 14 W                             |

| Lamp Current (Max)              | 240 mA         |
|---------------------------------|----------------|
| Lamp Current (Min)              | 130 mA         |
| Starting Time (Nom)             | 0.5 s          |
| Warm Up Time to 60% Light (Nom) | 0.5 s          |
| Power Factor (Nom)              | 0.9            |
| Voltage (Nom)                   | 120-277, 347 V |
| Temperature                     |                |
| T-Ambient (Max)                 | 45 °C          |
| T-Ambient (Min)                 | -20 °C         |
| T-Storage (Max)                 | 65 °C          |
| T-Storage (Min)                 | -40 °C         |
| T-Case Maximum (Nom)            | 40 °C          |
| Controls and Dimming            |                |
| Dimmable                        | Wireless Dim   |
| Mechanical and Housing          |                |
| Product Length                  | 48 in          |

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## Approval and Application

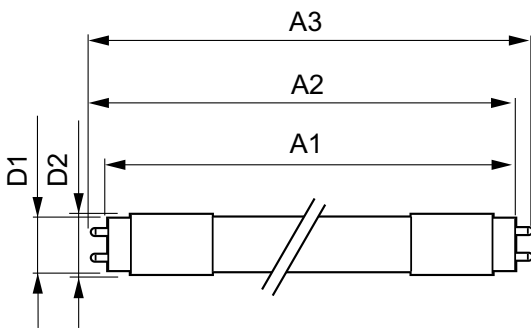
|                               |   |
|-------------------------------|---|
| Energy Efficiency Label (EEL) | Not applicable                                |
| Energy Saving Product         | Yes   |
| Approbation Marks             | UL certificate RoHS compliance DLC compliance |
| Energy Consumption kWh/1000 h | - kWh   |
| Energy Certifications         | DLC Standard                                  |

## Product Data

|                    |                                 |
|--------------------|---------------------------------|
| Order product name | 14T8/48-835/IF20/MAScon IA 10/1 |
|--------------------|---------------------------------|

|                                 |              |
|---------------------------------|--------------|
| EAN/UPC - Product               | 046677537180 |
| Order code                      | 537183       |
| Numerator - Quantity Per Pack   | 1            |
| Numerator - Packs per outer box | 10           |
| Material Nr. (12NC)             | 929001281264 |
| Net Weight (Piece)              | 0.220 kg     |
| Model Number                    | 9290012812   |

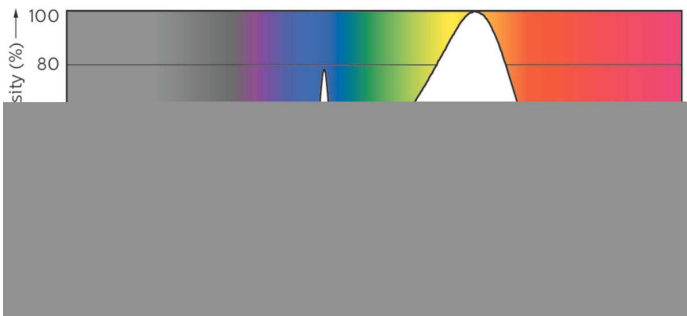
## Dimensional drawing



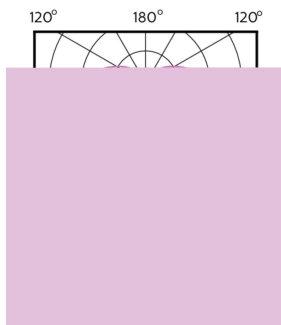
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| Product                         | D1      | D2      | A1      | A2      | A3      |
|---------------------------------|---------|---------|---------|---------|---------|
| 14T8/48-835/IF20/MAScon IA 10/1 | 25.7 mm | 26.3 mm | 1198 mm | 1205 mm | 1212 mm |

## Photometric data



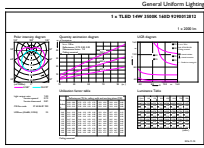
LEDtube 1200mm 14W G13 835 2000lm



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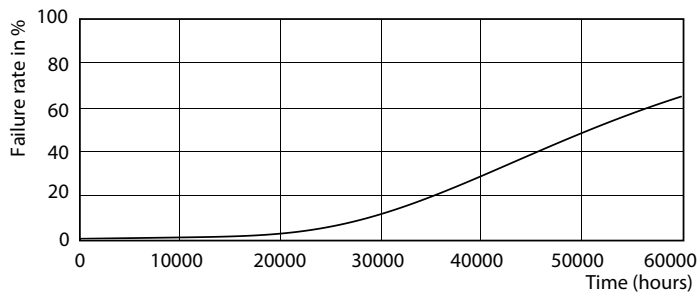
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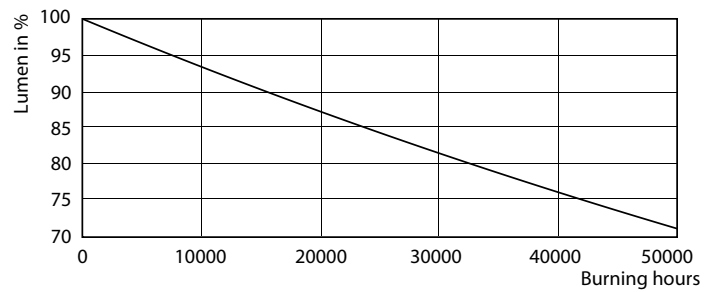
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## Lifetime



LEDtube 1200mm 14W G13 2000lm



LEDtube 1200mm 14W G13 2000lm

