Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

### 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**: 841 [CCT of 4100K (841)]
- **Beam Angle (Nom)**: 240 °
- **Initial lumen (Nom)**: 2100 lm
- **Color Consistency**: <6
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 150.00 lm/W
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

#### Operating and Electrical
- **Input Frequency**: 25000-105000 Hz
- **Power (Rated) (Nom)**: 14 W
- **Lamp Current (Max)**: 260 mA
- **Lamp Current (Min)**: 100 mA
- **Starting Time (Nom)**: 0.5 s
- **Warm Up Time to 60% Light (Nom)**: 0.5 s
- **UL Type**: Type A - works on ballast Type C - works with dedicated LED driver Type A+C - works with both ballasts and the LED driver
- **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)**: 50 °C

#### Controls and Dimming
- **Dimmable**: Yes
**Mechanical and Housing**

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**Approval and Application**

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**Product Data**

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**Dimensional drawing**

14T8 PRO LED/48-4000 IF G 10/1

**Photometric data**

LEDtube 1200mm 17W G13 2100lm

LEDtube PRO 1200mm 14W G13 840 2100lm
Photometric data

LEDtube PRO 1200mm 14W G13 840 2100lm

Lifetime

LEDtube PRO 1200mm 14W G13 2000lm

12W G13

LEDtube PRO 1200mm 14W G13 2000lm

12W G13
Lifetime

![Lifetime Graph]

12W G13