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)**: 70000 h
- **Switching Cycle**: 50000X

#### Light Technical
- **Color Code**: 841 [CCT of 4100K (841)]
- **Beam Angle (Nom)**: 180 °
- **Initial lumen (Nom)**: 2500 lm
- **Color Designation**: Cool White (CW)
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 161.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 80
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

#### Operating and Electrical
- **Input Frequency**: 50 to 60 Hz
- **Power (Rated) (Nom)**: 15.5 W
- **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 V

#### Temperature
- **T-Ambient (Max)**: 55 °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
T8

### Mechanical and Housing
- **Product Length**: 1200 mm

### Approval and Application
- **Energy Efficiency Label (EEL)**: Not applicable
- **Energy Saving Product**: Yes
- **Approbation Marks**: RoHS compliance, UL certificate, DLC compliance
- **Energy Consumption kWh/1000 h**: - kWh

### Product Data
- **Order product name**: 15.5T8/MAS/48-840/IF25/P/DIM 25/1

### Dimensional drawing

![Dimensional drawing](image)

TLED 1200mmT8 120-277 15.5W 2500lm 4000K

### Photometric data

![Photometric data](image)

LEDtube 15.5W G13 T8 840

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**Datasheet, 2020, July 16**

**data subject to change**
T8

Photometric data

![Photometric data diagram](image)

LEDtube 15.5W G13 T8

Lifetime

![Lifetime charts](image)

LEDtube 15.5W G13 T8 LumenVsTc

Failure rate in %

![Failure rate chart](image)

LEDtube 15.5W G13 T8 FailureRate

Datasheet, 2020, July 16

- data subject to change
Lifetime

![Graph showing lifetime vs. temperature (Tc)](image)

LEDtube 15.5W G13 T8 LifetimeVsTc

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