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)**: 1600 lm
- **Color Designation**: Cool White (CW)
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 168.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 80
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

**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): 55 °C
- T-Ambient (Min): -20 °C
- T-Storage (Max): 65 °C
- T-Storage (Min): -40 °C
- T-Case Maximum (Nom): 55 °C

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

| Product Length | 1200 mm |

**Approval and Application**

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

**Product Data**

| Order product name | 9.5T8/MAS/48-840/IF16/P/DIM 10/1 |

**Dimensional drawing**

![Dimensional drawing](image)

*LEDtube 1200mm T8 120-277 9.5W 1600lm 4000K*

**Photometric data**

![Photometric data](image)

*LEDtube 1200mm T8 9.5W 1600lm 4000K*
Photometric data

LEDtube 1200mm T8 9.5W

Lifetime

LEDtube 1200mm T8 9.5W

LEDtube 1200mm T8 9.5W Lumen Vs Tc

LEDtube 1200mm T8 9.5W Failure Rate

LEDtube 1200mm T8 9.5W Lifetime Vs Tc

Datasheet, 2020, July 16
LEDtube 1200mm T8 9,5W

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