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)**: 70,000 h
- **Switching Cycle**: 50,000X

#### Light Technical
- **Color Code**: 830 [CCT of 3000K]
- **Beam Angle (Nom)**: 180°
- **Initial lumen (Nom)**: 1,500 lm
- **Color Designation**: White (Wh)
- **Correlated Color Temperature (Nom)**: 3,000 K
- **Luminous Efficacy (rated) (Nom)**: 157.00 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)**: 9.5 W

#### 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
- **Bulb Material**: Plastic
- **Product Length**: 48 in

Datasheet, 2021, April 15
### Approval and Application

<table>
<thead>
<tr>
<th>Approval and Application</th>
<th>Details</th>
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<td>Energy Efficiency Label (EEL)</td>
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<tr>
<td>Energy Saving Product</td>
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<td>Approval Marks</td>
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<td>Energy Consumption kWh/1000 h</td>
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### Product Data

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<th>Details</th>
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### Dimensional drawing

#### TLED 1200mm T8 120-277 9.5W 1500lm 3000K

### Photometric data

#### LEDtube 1200mm T8 9.5W 1500lm 3000K

#### LEDtube 1200mm T8 9.5W 1500lm 3000K

Datasheet, 2021, April 15

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**Order code** 473974

**Numerator - Quantity Per Pack** 1

**Numerator - Packs per outer box** 10

**Material Nr. (12NC)** 929002015804

**Net Weight (Piece)** 0.220 kg

**Model Number** 9290020158
**Photometric data**

![Photometric data diagram](image)

**LEDtube 1200mm T8 9.5W**

**Lifetime**

![Lifetime diagram](image)

**LEDtube 1200mm T8 9.5W**

**LEDtube 1200mm T8 9.5W LumenVsTc**

**LEDtube 1200mm T8 9.5W FailureRate**

**LEDtube 1200mm T8 9.5W LifetimeVsTc**
LEDtube 1200mm T8 9.5W