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
- **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

#### Mechanical and Housing
- **Bulb Material**: Plastic
- **Product Length**: 48 in
### Approval and Application

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

### Product Data

<table>
<thead>
<tr>
<th>Product Data</th>
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</thead>
<tbody>
<tr>
<td>Order product name</td>
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<tr>
<td>EAN/UPC - Product</td>
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<tr>
<td>Order code</td>
</tr>
<tr>
<td>Numerator - Quantity Per Pack</td>
</tr>
<tr>
<td>Numerator - Packs per outer box</td>
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<tr>
<td>Material Nr. (12NC)</td>
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<tr>
<td>Net Weight (Piece)</td>
</tr>
<tr>
<td>Model Number</td>
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</tbody>
</table>

### Dimensional drawing

![Dimensional drawing image]

**TLED 1200mmT8 120–277 15.5W 2500lm 4000K**

### Photometric data

**LEDtube 15.5W G13 T8 840**

**LEDtube 15.5W G13 T8 840**

**Datasheet, 2021, April 15**

data subject to change
Photometric data

LEDtube 15.5W G13 T8

Lifetime

LEDtube 15.5W G13 T8 LumenVsTc

LEDtube 15.5W G13 T8 FailureRate
LEDtube 15.5W G13 T8 LifetimeVsTc

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www.lighting.philips.com
2021, April 15 - data subject to change