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**: 835 [CCT of 3500K]
- **Beam Angle (Nom)**: 180°
- **Initial lumen (Nom)**: 1500 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3500 K
- **Luminous Efficacy (rated) (Nom)**: 150.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70%

#### Operating and Electrical
- **Input Frequency**: 50 to 60 Hz
- **Power (Rated) (Nom)**: 10 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, 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)**: 40 °C

### Controls and Dimming
- Dimmable: No
**Mechanical and Housing**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Product Length</td>
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**Approval and Application**

<table>
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<td>Energy Saving Product</td>
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<td>Approval Marks</td>
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<td>Approval Marks</td>
<td>UL certificate RoHS compliance</td>
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<td>- kWh</td>
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<td>Energy Certifications</td>
<td>DLC Standard</td>
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**Product Data**

<table>
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<th>Parameter</th>
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<td>Order product name</td>
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<td>Numerator - Packs per outer box</td>
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<td>Net Weight (Piece)</td>
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### Dimensional drawing

**LEDtube 1200mm 12W G13/835**

**Photometric data**

**LEDtube 1200mm 12W G13 835 1500lm**

**LEDtube 1200mm 12W G13 835 1500lm**

Datasheet, 2020, November 18

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data subject to change
Photometric data

LEDtube 1200mm 12W G13 835 1500lm

Lifetime

LEDtube 1500mm 26W G5 T5

LEDtube 1200mm 14-32W G13