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)**: 1400 lm
- **Color Designation**: Cool White (CW)
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 164.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 80
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

#### Operating and Electrical
- **Input Frequency**: 20K to 120K Hz
- **Power (Rated) (Nom)**: 8.5 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, 347 V
- **T-Ambient (Max)**: 45 °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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Product Length</td>
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**Approval and Application**

<table>
<thead>
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<tr>
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<tr>
<td>Energy Saving Product</td>
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<tr>
<td>Approbation Marks</td>
<td>RoHS compliance, UL certificate, DLC compliance</td>
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<td>Energy Consumption kWh/1000 h</td>
<td>- kWh</td>
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<td>Energy Certifications</td>
<td>DLC Standard</td>
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**Product Data**

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<tr>
<td>Numerator - Packs per outer box</td>
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<td>Model Number</td>
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**Dimensional drawing**

- **A1**: 25.7 mm
- **A2**: 26.3 mm
- **A3**: 893.4 mm
- **D1**: 900.5 mm
- **D2**: 907.6 mm

**Photometric data**

- **G13 4000K 1400lm**
- **λ (nm)**: 200, 300, 400, 500, 600, 700, 800
- **Intensity (%)**: 0, 20, 40, 60, 80, 100

Data subject to change.
Photometric data

Lifetime

G13 4000K

Lumen (%)

Failure rate in %

G13 4000K

G13 4000K

Datasheet, 2020, October 22

data subject to change