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**: 830 [CCT of 3000K]
- **Beam Angle (Nom)**: 180°
- **Initial lumen (Nom)**: 2000 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3000 K
- **Luminous Efficacy (rated) (Nom)**: 153.00 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)**: 13 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)**: 50 °C

**Controls and Dimming**
- **Dimmable**: Yes
T8

Mechanical and Housing

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<tr>
<th>Product Length</th>
<th>600 mm</th>
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Approval and Application

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

Dimensional drawing

TLED IF MasterClass U bent 2000lm 3000K

Photometric data

G13 3000K 20000lm

Product Data

<table>
<thead>
<tr>
<th>Order product name</th>
<th>13T8-6U/MAS/24-830/IF20/P/DIM 10/1</th>
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<td>28 mm</td>
<td>152 mm</td>
<td>570 mm</td>
<td>27.8 mm</td>
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Datasheet, 2020, July 16 data subject to change
Photometric data

G13 3000K 2000lm

Lifetime

G13 3000K 2000lm

G13 4000K

G13 4000K

Failure rate in %

G13 4000K

G13 4000K

T8

Datasheet, 2020, July 16

data subject to change
Lumen in %

G13 4000K