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 lumens (Nom)**: 1150 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3000 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**: 20K to 120K Hz
- **Power (Rated) (Nom)**: 7 W

**UL Type**
- **Type A**: works on ballast Type C
- **Type A+C**: works with dedicated 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

Datasheet, 2020, July 15

*Data subject to change*
### Mechanical and Housing

**Product Length**
- 600 mm

### Approval and Application

**Energy Efficiency Label (EEL)**
- Not applicable

**Energy Saving Product**
- Yes

**Approbation Marks**
- RoHS compliance
- UL certificate

**Energy Consumption kWh/1000 h**
- kWh

**Energy Certifications**
- DLC Standard

### Product Data

**Order product name**
- 7T8/MAS/24-830/IF10/P/DIM 10/1

**EAN/UPC - Product**
- 046677541811

**Order code**
- 541813

**Numerator - Quantity Per Pack**
- 1

**Numerator - Packs per outer box**
- 10

**Material Nr. (12NC)**
- 929001986904

**Net Weight (Piece)**
- 0.080 kg

**Model Number**
- 9290019869

### Dimensional drawing

![Dimensional drawing](image)

**Product**

<table>
<thead>
<tr>
<th>D1</th>
<th>D2</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
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<tr>
<td>25.7 mm</td>
<td>26.3 mm</td>
<td>588.6 mm</td>
<td>595.7 mm</td>
<td>602.8 mm</td>
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**7T8/MAS/24-830/IF10/P/DIM 10/1**

### Photometric data

![Photometric data](image)

**G13 3000K 1100lm**

**G13 4000K**

Datasheet, 2020, July 15
Photometric data

![Photometric data graph]

**G13 3000K 1100lm**

Lifetime

![Lifetime graphs]

**G13 4000K**

**G13 4000K**

Datasheet, 2020, July 15

data subject to change
Lifetime

<table>
<thead>
<tr>
<th>Burning hours</th>
<th>Lumen in %</th>
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<tr>
<td>20000</td>
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<td>80</td>
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<td>60000</td>
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</tr>
<tr>
<td>80000</td>
<td>60</td>
</tr>
<tr>
<td>100000</td>
<td>50</td>
</tr>
</tbody>
</table>

G13 4000K