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**: 850 [CCT of 5000K]
- **Beam Angle (Nom)**: 180°
- **Initial lumen (Nom)**: 2100 lm
- **Color Designation**: Daylight
- **Correlated Color Temperature (Nom)**: 5000K
- **Luminous Efficacy (rated) (Nom)**: 161.00 lm/W
- **Color Consistency**: <5
- **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
**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, DLC compliance
- **Energy Consumption kWh/1000 h**: – kWh
- **Energy Certifications**: DLC Standard

**Dimensional drawing**

![Dimensional drawing](image)

**Photometric data**

![Photometric data](image)

**Product Data**

<table>
<thead>
<tr>
<th>Product</th>
<th>D1</th>
<th>D2</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
</tr>
</thead>
<tbody>
<tr>
<td>13T8-6U/MAS/24-850/IF21/P/DIM 10/1</td>
<td>25.7 mm</td>
<td>28 mm</td>
<td>152 mm</td>
<td>570 mm</td>
<td>27.8 mm</td>
</tr>
</tbody>
</table>

**Order product name**: 13T8-6U/MAS/24-850/IF21/P/DIM 10/1

**EAN/UPC - Product**: 046677541880

**Order code**: 548888

**Numerator - Quantity Per Pack**: 1

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

**Material Nr. (12NC)**: 929001987704

**Net Weight (Piece)**: 0.270 kg

**Model Number**: 9290019877

Datasheet, 2020, July 16
Lumen in %

Burning hours

0 20000 40000 60000 80000 100000

G13 4000K

© 2020 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.