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)**: 50,000 h
- **Switching Cycle**: 50,000X

**Light Technical**
- **Color Code**: 835 [CCT of 3500K]
- **Beam Angle (Nom)**: 240°
- **Initial lumen (Nom)**: 2000 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3500 K
- **Luminous Efficacy (rated) (Nom)**: 142.86 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70%

**Operating and Electrical**
- **Input Frequency**: 25000-105000 Hz
- **Power (Rated) (Nom)**: 14 W
- **Lamp Current (Max)**: 260 mA
- **Lamp Current (Min)**: 100 mA
- **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
- **Dimmable**: Yes

Datasheet, 2020, July 16
Mechanical and Housing

| Product Length | 1200 mm |

Approval and Application

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

Product Data

| Order product name | 14T8/COR/48-835/IF20/G/DIM 10/1 |
| EAN/UPC - Product | 046677452759 |
| Order code | 470104 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 10 |
| Material Nr. (12NC) | 929001343134 |
| Net Weight (Piece) | 0.215 kg |
| Model Number | 9290013431A |

Dimensional drawing

<table>
<thead>
<tr>
<th>Product</th>
<th>D1</th>
<th>D2</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
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<tbody>
<tr>
<td>14T8/COR/48-835/IF20/G/DIM</td>
<td>25.7 mm</td>
<td>28 mm</td>
<td>1198 mm</td>
<td>1205 mm</td>
<td>1212 mm</td>
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</table>

Photometric data

<table>
<thead>
<tr>
<th>Product</th>
<th>Intensity (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDtube 1200mm 17W G13 2100lm</td>
<td>0-180° 90-270°</td>
</tr>
<tr>
<td>LEDtube PRO 1200mm 14W G13 835 2000lm</td>
<td>(cd/1000lm) 200 400 300 500 600</td>
</tr>
</tbody>
</table>

Datasheet, 2020, July 16
**Photometric data**

LEDtube PRO 1200mm 14W G13 835 2000lm

**Lifetime**

LEDtube PRO 1200mm 14W G13 2000lm

LEDtube PRO 1200mm 14W G13 2000lm
Lifetime

![Graph showing life time (hours) vs. Tc (°C)]

12W G13

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www.lighting.philips.com

2020, July 16 - data subject to change