Philips T5 LED tubes offer an affordable, energy saving retrofit solution. The T5 lamps have been engineered to withstand the test of time with a 50,000-hour lifetime and a limited 5-year warranty to back it up. The lighting performance effectively replaces conventional fluorescent T5 HO or T5 HE lamps. Available in either InstantFit (Type A or Type C) or MainsFit (Type B / Ballast bypass), Philips T5 TLEDs provide a variety of options for any application.

**Product data**

### General Information
- **Base**: G5 [ G5]
- **EU RoHS compliant**: Yes
- **Nominal Lifetime (Nom)**: 50000 h
- **Switching Cycle**: 50000X

### Light Technical
- **Color Code**: 835 [ CCT of 3500K]
- **Beam Angle (Nom)**: 200°
- **Initial lumen (Nom)**: 2000 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3500 K
- **Luminous Efficacy (rated) (Nom)**: 142.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

### Operating and Electrical
- **Input Frequency**: 40000-110000 Hz
- **Power (Rated) (Nom)**: 14 W
- **Lamp Current (Max)**: 350 mA
- **Lamp Current (Min)**: 150 mA
- **Starting Time (Nom)**: 0.5 s
- **Warm Up Time to 60% Light (Nom)**: 0.5 s
- **UL Type**: Type A - works on ballast
- **Power Factor (Nom)**: 0.9
- **Voltage (Nom)**: 70-105 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)**: 70 °C

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

### Mechanical and Housing
- **Product Length**: 1200 mm

Datasheet, 2020, June 18 data subject to change
### T5

#### 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   |

#### Photometric data

**LEDtube 14W G5 835 200D DIM IF20**

**LEDtube 8W G5 830 200D DIM IF10**

#### Product Data

| EAN/UPC - Product       | 046677476502 |
| Order code              | 476507       |
| Numerator - Quantity Per Pack | 1          |
| Numerator - Packs per outer box | 10       |
| Material Nr. (12NC)     | 929001824004 |
| Net Weight (Piece)      | 0.146 kg    |
| Model Number            | 9290018240   |

#### Dimensional drawing

![Dimensional drawing](image)

**TLED 1200mm HFV16-28W 2100lm 3500K ND**

#### Utilisation factor table

<table>
<thead>
<tr>
<th>Plane</th>
<th>Cone</th>
<th>0-180°</th>
<th>90-270°</th>
<th>0°</th>
<th>180°</th>
<th>60°</th>
<th>60°</th>
<th>90°</th>
<th>90°</th>
<th>120°</th>
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<tbody>
<tr>
<td>Service upward</td>
<td>0.80</td>
<td>0.80</td>
<td>0.70</td>
<td>0.50</td>
<td>0.50</td>
<td>0.30</td>
<td>0.30</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
</tr>
<tr>
<td>Service downward</td>
<td>0.70</td>
<td>0.70</td>
<td>0.50</td>
<td>0.50</td>
<td>0.50</td>
<td>0.30</td>
<td>0.30</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
</tr>
<tr>
<td>Room</td>
<td>0.30</td>
<td>0.20</td>
<td>0.20</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
</tr>
</tbody>
</table>

#### Product

<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>14T5HE/46-835/IF20/G/DIM 10/1</td>
<td>15.3 mm</td>
<td>18.4 mm</td>
<td>1147.8 mm</td>
<td>1154.9 mm</td>
<td>1162 mm</td>
</tr>
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</tr>
</tbody>
</table>

(data subject to change)
Photometric data

LEDtube 14W G5 835 200D DIM IF20

Lifetime

LEDtube 8-14W G5 830-850 200D DIM IF10-21

LEDtube 8-14W G5 830-850 200D DIM IF10-21

Datasheet, 2020, June 18
LEDtube 8-14W G5 830-850 200D DIM IF10-21