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**: 841 [ CCT of 4100K (841)]
- **Beam Angle (Nom)**: 200 °
- **Initial lumen (Nom)**: 1050 lm
- **Color Designation**: Cool White (CW)
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 131.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

**Operation and Electrical**
- **Input Frequency**: 40000–110000 Hz
- **Power (Rated) (Nom)**: 8 W
- **Lamp Current (Max)**: 400 mA
- **Lamp Current (Min)**: 60 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)**: 40-60 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**: 600 mm
**T5**

### Approval and Application

<table>
<thead>
<tr>
<th>Energy Efficiency Label (EEL)</th>
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<tr>
<td>Energy Saving Product</td>
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<td>Energy Consumption kWh/1000 h</td>
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### Product Data

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### Photometric Data

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

**LEDtube 8W 840 200D DIM IF10**
Photometric data

Lifetime

LEDtube 8W G5 840 200D DIM IF10

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

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

Datasheet, 2020, June 18
Lifetime

![Lifetime Graph]

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