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)**: 50,000 h
- **Switching Cycle**: 50000X

#### Light Technical
- **Color Code**: 835 (CCT of 3500K)
- **Beam Angle (Nom)**: 200 °
- **Initial lumen (Nom)**: 1000 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3500 K
- **Luminous Efficacy (rated) (Nom)**: 125.00 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)**: 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
Approval and Application

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

Product Data

| Order product name | 8T5HE/22-835/IF10/G/DIM 10/1 |
| EAN/UPC - Product | 046677476427 |

Dimensional drawing

T5 LED 600mm HFV8.5-14W 1050lm 3500K ND

Photometric data

LEDtube 8W GS 835 200D DIM IF10

LEDtube 8W GS 830 200D DIM IF10
Photometric data

![Photometric data graph](image)

**LEDtube 8W G5 835 200D DIM IF10**

Lifetime

![Lifetime graph](image)

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

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

Lumen in %

![Lumen graph](image)

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

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Datasheet, 2020, June 18

Data subject to change
Lifetime

Lumen (%) vs. Tc(°C)

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