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**: 850 [CCT of 5000K]
- **Beam Angle (Nom)**: 200°
- **Initial lumen (Nom)**: 1050 lm
- **Color Designation**: Daylight
- **Correlated Color Temperature (Nom)**: 5000 K
- **Luminous Efficacy (rated) (Nom)**: 131.00 lm/W
- **Color Consistency**: <5
- **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**: 24 in
T5

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/22-850/IF10/G/DIM 10/1 |
| EAN/UPC - Product | 04667476441 |

Order code | 476440 |
Numerator - Quantity Per Pack | 1 |
Numerator - Packs per outer box | 10 |
Material Nr. (12NC) | 929001823404 |
Net Weight (Piece) | 0.080 kg |
Model Number | 9290018234 |

Dimensional drawing

TLED 600mm HFV8.5-14W 1050lm 5000K ND

Photometric data

LEDtube 8W G5 850 200D DIM IF10

LEDtube 8W G5 830 200D DIM IF10

Datasheet, 2020, November 18
Photometric data

![Photometric data graph](image)

LEDtube 8W G5 850 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 in % graph](image)

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

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

Datasheet, 2020, November 18

Data subject to change
Lifetime

![Graph showing the lifetime of a LED bulb as a function of Tc (°C). The y-axis represents Lumen (%) and the x-axis represents Tc (°C). The graph shows a decrease in lumen as Tc increases.]

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