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**: 50,000X

**Light Technical**
- **Color Code**: 850 (CCT of 5000K)
- **Beam Angle (Nom)**: 200°
- **Initial lumen (Nom)**: 3500 lm
- **Color Designation**: Daylight
- **Correlated Color Temperature (Nom)**: 5000 K
- **Luminous Efficacy (rated) (Nom)**: 140.00 lm/W
- **Color Consistency**: <5
- **Color Rendering Index (Nom)**: 80
- **LLMF At End Of Nominal Lifetime (Nom)**: 70%

**Operating and Electrical**
- **Input Frequency**: 50 to 60 Hz
- **Power (Rated) (Nom)**: 25 W
- **Lamp Current (Max)**: 210 mA
- **Lamp Current (Min)**: 95 mA
- **Starting Time (Nom)**: 0.45 s
- **Warm Up Time to 60% Light (Nom)**: 0.5 s
- **UL Type**: Type B - bypass the ballast
- **Power Factor (Nom)**: 0.9
- **Voltage (Nom)**: 120-277 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)**: 75 °C
- **Dimmable**: No

**Mechanical and Housing**
- **Product Length**: 1200 mm
Approval and Application

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

Product Data

Order product name  25T5HO/COR/46-850/MF35/G 25/1

Dimensional drawing

TLED 120-277V25W-54W 3500lm 5000K G5 ND

Photometric data

LEDtube G5 5000K

Datasheet, 2020, June 18

data subject to change
Photometric data

LEDtube G5 25W

Lifetime

LEDtube G5 25W LifetimeVsTc

LEDtube G5 25W FailureRate

Lumen (%)

LEDtube G5 25W LumenVsTc
T5

Lifetime

Lumen in %
50    60    70    80    90    100
0  20000 10000
Burning hours
30000 50000 40000 60000

LEDtube G5 25W