Philips UniversalFit TLEDs offer unique ballast compatibility working with both electronic (instant-start) and magnetic ballasts while meeting the revised UL1993 standards. The UniversalFit TLEDs are engineered to deliver excellent lighting effects and substantial energy savings while providing unmatched user & installer safety.

### Product data

#### General Information
- **Cap-Base**: G13 [Medium Bi-Pin Fluorescent]
- **EU RoHS compliant**: Yes
- **Nominal Lifetime (Nom)**: 36000 h
- **Switching Cycle**: 50000X

#### Light Technical
- **Color Code**: 840 [CCT of 4000K]
- **Beam Angle (Nom)**: 240 °
- **Luminous Flux (Nom)**: 2100 lm
- **Color Designation**: Cool White (CW)
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 105.00 lm/W
- **Color Consistency**: <6
- **Color Rendering Index (Nom)**: 82
- **LLMF At End Of Nominal Lifetime (Nom)**: 70 %

#### Operating and Electrical
- **Input Frequency**: 60 Hz
- **Power (Nom)**: 20 W
- **Lamp Current (Max)**: 220 mA
- **Lamp Current (Min)**: 90 mA
- **Starting Time (Nom)**: 0.5 s
- **Warm Up Time to 60% Light (Nom)**: 0.5 s
- **Power Factor (Nom)**: 0.5
- **Voltage (Nom)**: 120–277 V
- **T-Ambient (Max)**: 35 °C
- **T-Ambient (Min)**: -20 °C
- **T-Storage (Max)**: 65 °C
- **T-Storage (Min)**: -40 °C
- **T-Case Maximum (Nom)**: 65 °C
- **Dimmable**: No

#### Approval and Application
- **Energy Efficiency Label (EEL)**: A+
- **Energy Saving Product**: Yes
- **Approval Marks**: RoHS compliance UL certificate
- **Energy Consumption kWh/1000 h**: 20 kWh

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Datasheet, 2020, June 18
T12

**Product Data**

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**Dimensional drawing**

![Dimensional drawing](image)

**Photometric data**

![Photometric data](image)