Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

### Product data

#### General Information
- **Base**: G13 [Medium Bi-Pin Fluorescent]
- **EU RoHS compliant**: Yes
- **Nominal Lifetime (Nom)**: 70000 h
- **Switching Cycle**: 50000X

#### Light Technical
- **Color Code**: 850 [CCT of 5000K]
- **Beam Angle (Nom)**: 180°
- **Initial lumen (Nom)**: 2100 lm
- **Color Designation**: Daylight
- **Correlated Color Temperature (Nom)**: 5000 K
- **Luminous Efficacy (rated) (Nom)**: 161.00 lm/W
- **Color Consistency**: <5
- **Color Rendering Index (Nom)**: 80
- **LLMF At End Of Nominal Lifetime (Nom)**: 70%

#### Operating and Electrical
- **Input Frequency**: 20K to 120K Hz
- **Power (Rated) (Nom)**: 13 W

#### 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)
- 120-277, 347 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)**: 50 °C

#### Controls and Dimming
- **Dimmable**: Yes

#### Mechanical and Housing
- **Bulb Material**: Plastic
- **Product Length**: 24 in
**T8**

**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
- Energy Certifications: DLC Standard

**Product Data**

- Order product name: 13T8-6U/MAS/24-850/IF21/P/DIM 10/1
- EAN/UPC - Product: 046677541880
- Order code: 541888
- Numerator - Quantity Per Pack: 1
- Numerator - Packs per outer box: 10
- Material Nr. (12NC): 929001987704
- Net Weight (Piece): 0.270 kg
- Model Number: 9290019877

**Dimensional drawing**

![Dimensional drawing](image)

**Photometric data**

![Photometric data](image)
Photometric data

G13 5000K 2100lm

Lifetime

G13 3000K 2000lm

G13 4000K

Failure rate in %

G13 4000K

Data subject to change
Lifetime

Lumen in % vs. Burning hours

G13 4000K