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**: 841 [CCT of 4100K (841)]
- **Beam Angle (Nom)**: 180 °
- **Initial lumen (Nom)**: 1200 lm
- **Color Designation**: Cool White (CW)
- **Correlated Color Temperature (Nom)**: 4000 K
- **Luminous Efficacy (rated) (Nom)**: 164.00 lm/W
- **Color Consistency**: <6
- **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)**: 7 W

#### Lamp Current
- **Lamp Current (Max)**: 240 mA
- **Lamp Current (Min)**: 80 mA
- **Starting Time (Nom)**: 0.5 s
- **Warm Up Time to 60% Light (Nom)**: 0.5 s

#### UL Type
- Type A - works on ballast
- Type C - works with dedicated LED driver
- Type A+C - works with both ballasts and the LED driver

#### Power Factor (Nom)
- **Power Factor (Nom)**: 0.9

#### Voltage (Nom)
- **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**

| Product Length | 600 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 |
| Energy Certifications | DLC Standard |

**Product Data**

| Order product name | 7T8/MAS/24-840/IF11/P/DIM 10/1 |
| EAN/UPC - Product | 046677541835 |
| Order code | 541839 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 10 |
| Material Nr. (12NC) | 929001987104 |
| Net Weight (Piece) | 0.080 kg |
| Model Number | 9290019871 |

**Dimensional drawing**

![Dimensional drawing](image)

**Photometric data**

![Photometric data](image)
Photometric data

G13 4000K

Lifetime

G13 4000K

Failure rate in %

G13 4000K

Datasheet, 2020, July 15
data subject to change