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**: 830 [CCT of 3000K]
- **Beam Angle (Nom)**: 180°
- **Initial lumen (Nom)**: 1150 lm
- **Color Designation**: White (WH)
- **Correlated Color Temperature (Nom)**: 3000 K
- **Luminous Efficacy (rated) (Nom)**: 157.00 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 (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)**: 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**

Product Length 600 mm

**Approval and Application**

Energy Efficiency Label (EEL) Not applicable

Energy Saving Product Yes

Approval Marks RoHS compliance UL certificate

Energy Consumption kWh/1000 h - kWh

Energy Certifications DLC Standard

**Product Data**

Order product name 7T8/MAS/24-830/IF10/P/DIM 10/1

**Dimensional drawing**

D1 D2 A1 A2 A3

TLED IF MasterClass 2ft 1000lm 3000K

**Photometric data**

G13 3000K 1100lm

G13 4000K

Datasheet, 2020, July 15

EAN/UPC - Product 046677541811

Order code 541813

Numerator - Quantity Per Pack 1

Numerator - Packs per outer box 10

Material Nr. (12NC) 929001986904

Net Weight (Piece) 0.080 kg

Model Number 9290019869
Photometric data

G13 3000K 1100lm

Lifetime

G13 4000K

Failure rate in %

G13 4000K

G13 4000K
Lifetime

![Graph showing the relationship between burning hours and lumen percentage decline.](image)

G13 4000K