PHILIPS

Lighting

# T8

## 16T8/LED/48-840/IF18/G 25/1

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 | |
|---|---|
| **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)** | 1800 lm |
| **Color Designation** | Cool White (CW) |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 112.00 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 (Nom)** | 16 W |
| **Lamp Current (Max)** | 330 mA |
| **Lamp Current (Min)** | 110 mA |
| **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)** | 35 °C |

| Controls and Dimming | |
|---|---|
| **Dimmable** | No |

| Mechanical and Housing | |
|---|---|
| **Bulb Material** | Glass |

# T8

| | |
|---|---|
| **Product Length** | 1200 mm |
| **Bulb Shape** | Tube, double-ended |

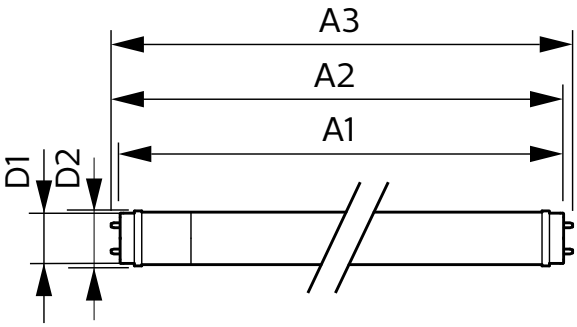
## Approval and Application

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

## Product Data

| | |
|---|---|
| **Order product name** | 16T8/LED/48-840/IF18/G 25/1 |
| **EAN/UPC - Product** | 046677542085 |
| **Order code** | 929001960604 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 25 |
| **Material Nr. (12NC)** | 929001960604 |
| **Net Weight (Piece)** | 0.215 kg |

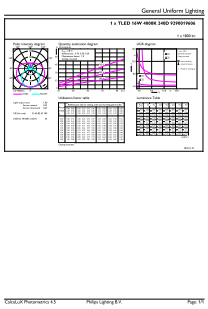
## Dimensional drawing



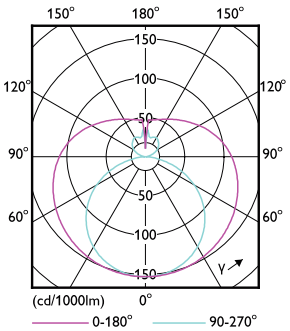

TLED 1200mm T8 120-277 16W 1800lm 4000K

| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| 16T8/LED/48-840/IF18/G 25/1 | 25.7 mm | 28 mm | 1198 mm | 1205 mm | 1212 mm |

## Photometric data



LEDtubes 1200mm T8 120-277 16W 1800lm 4000K

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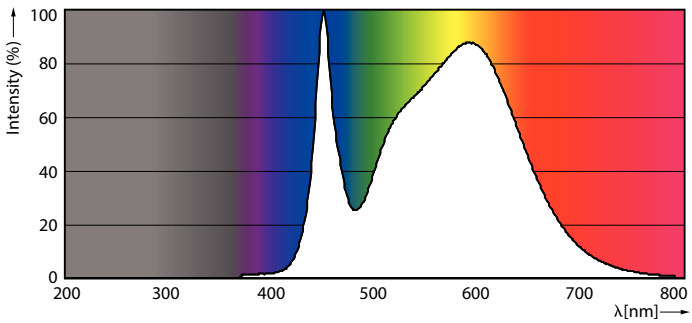


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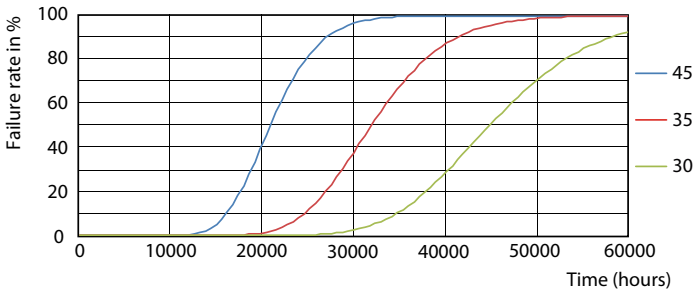
## Lifetime

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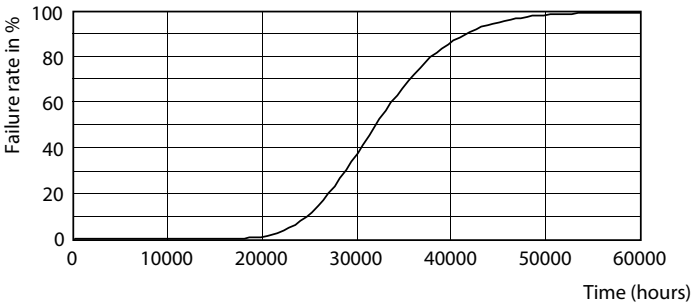


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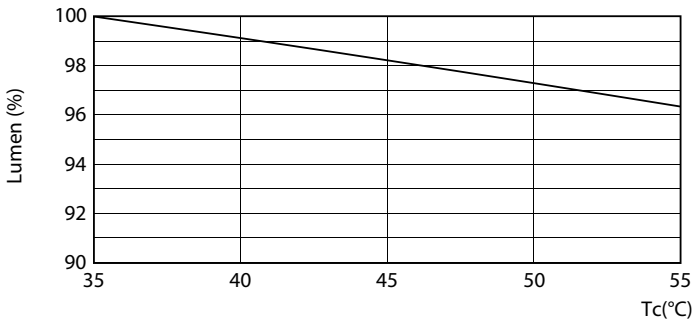


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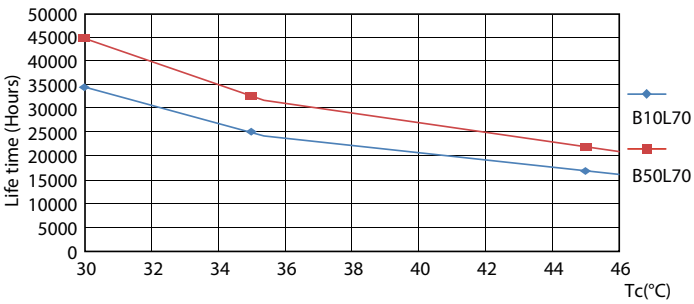


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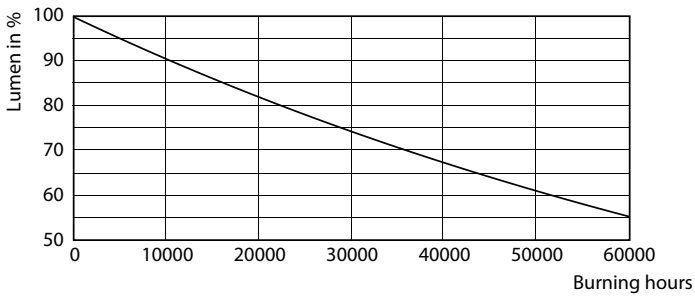


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