


# T8

## 28T8/COR/96-835/IF40/G/FA8 10/1

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 | |
|---|---|
| **Base** | FA8 [ FA8] |
| **EU RoHS compliant** | Yes |
| **Nominal Lifetime (Nom)** | 50000 h |
| **Switching Cycle** | 50000X |
| **Tier** | CorePro |

| Light technical | |
|---|---|
| **Color Code** | 835 [ CCT of 3500K] |
| **Beam Angle (Nom)** | 240 ° |
| **Initial lumen (Nom)** | 4000 lm |
| **Color Designation** | White (WH) |
| **Correlated Color Temperature (Nom)** | 3500 K |
| **Luminous Efficacy (rated) (Nom)** | 142.00 lm/W |
| **Color Consistency** | ANSI |
| **Color Rendering Index (Nom)** | 80 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |

| Operating and electrical | |
|---|---|
| **Input Frequency** | 35K to 150K Hz |
| **Power (Rated) (Nom)** | 28 W |
| **Lamp Current (Max)** | 400 mA |
| **Lamp Current (Min)** | 100 mA |
| **Starting Time (Nom)** | 0.5 s |
| **Warm Up Time to 60% Light (Nom)** | 0.5 s |
| **UL Type** | TLED_Type A; UL listed HF |
| **Power Factor (Nom)** | 0.9 |
| **Voltage (Nom)** | 120-277 V |

| Temperature | |
|---|---|
| **T-Ambient (Max)** | 113 °F |
| **T-Ambient (Min)** | -4 °F |
| **T-Storage (Range)** | -40 °C to 65 °C |
| **T-Storage (Max)** | 149 °F |
| **T-Storage (Min)** | -40 °F |
| **T-Case Maximum (Nom)** | 113 °F |

| Controls and dimming | |
|---|---|
| **Dimmable** | No |

# T8

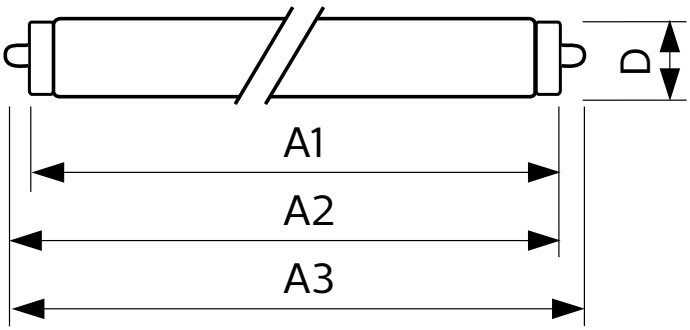
| Mechanical and housing | |
|---|---|
| **Bulb Finish** | Frosted |
| **Bulb Material** | Glass |
| **Product Length** | 94-1/2 in |
| **Bulb Shape** | Tube, double-ended |

| Approval and application | |
|---|---|
| **Energy Saving Product** | Yes |
| **Approbation Marks** | RoHS compliance UL certificate |

| Application conditions | |
|---|---|
| **Ambient temperature range** | -20 °C to 45 °C |

| Product data | |
|---|---|
| **Order product name** | 28T8/COR/96-835/IF40/G/FA8 10/1 |
| **EAN/UPC - Product** | 046677580285 |
| **Order code** | 580282 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 10 |
| **Material Nr. (12NC)** | 929003556704 |
| **Net Weight (Piece)** | 0.882 lb |
| **Model Number** | 9290035567 |

## Dimensional drawing

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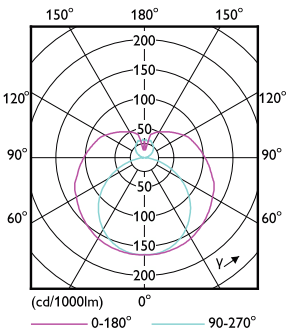
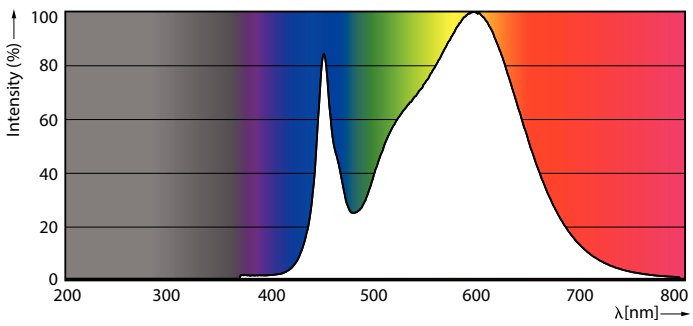
| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| 28T8/COR/96-835/ IF40/G/FA8 10/1 | 1-1/16 in | 1-1/8 in | 93-3/16 in | 93-9/16 in | 93-15/16 in |

## Photometric data



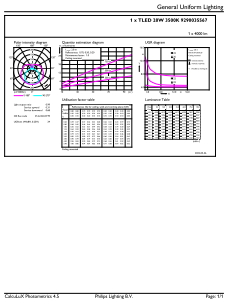

Light Distribution Diagram




Spectral Power Distribution Colour

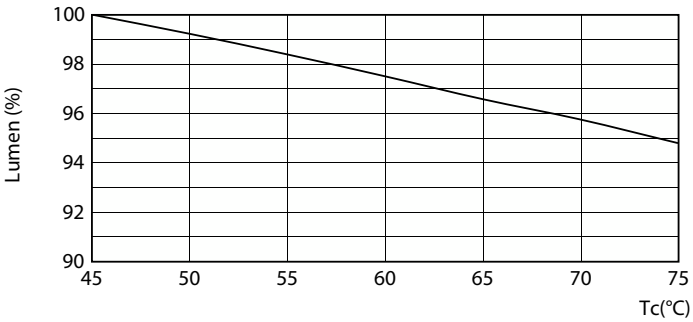
# T8

## Photometric data

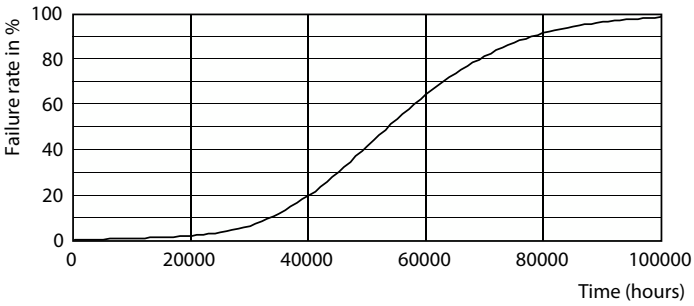



General uniform lighting

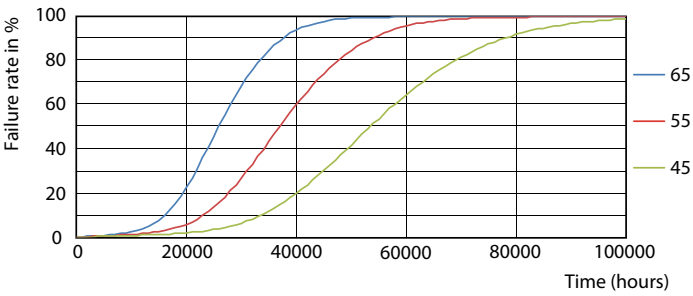
## Lifetime



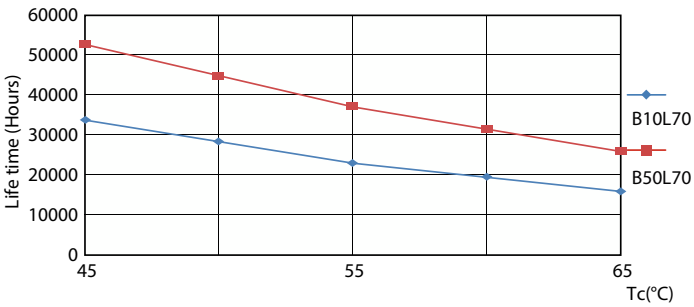

LumenVsTc




Life Expectancy Diagram



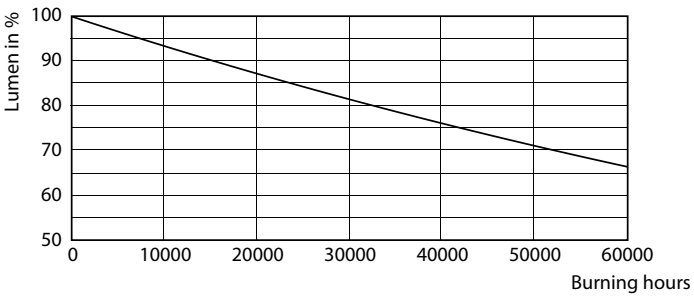

FailureRate




LifetimeVsTc

## T8

### Lifetime




**Lumen Maintenance Diagram**

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