# T8

## 8.5T8/COR/24-850/MF11/G/BAA 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] |
| Nominal lifetime | 50,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Buy American Compliant Products | Yes |

### Light Technical

| | |
|---|---|
| Color Code | 850 [CCT of 5000K] |
| Beam Angle (Nom) | 240 degree(s) |
| Luminous Flux | 1,150 lm |
| Luminous Efficacy (rated) (Nom) | 135.00 lm/W |
| Color Designation | Daylight |
| Correlated Color Temperature (Nom) | 5000 K |
| Color Consistency | <5 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

### Operating and Electrical

| | |
|---|---|
| Line Frequency | 50 to 60 Hz |

| | |
|---|---|
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 8.5 W |
| Lamp Current (Max) | 75 mA |
| Lamp Current (Min) | 36 mA |
| Wattage Equivalent | 17 W |
| Starting Time (Nom) | 0.9 s |
| Warm-up time to 60% light | 0.9 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 120-277 V |
| UL Type | Type B - bypass the ballast |

### Temperature

| | |
|---|---|
| Ambient temperature range | -20 ℃ to 45 ℃ |
| T-Case Maximum (Nom) | 50 ℃ |

### Controls and Dimming

| | |
|---|---|
| Dimmable | No |

### Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Frosted |

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| | |
|---|---|
| Bulb Material | Glass |
| Product Length | 600 mm |
| Bulb Shape | T8 |

### Approval and Application

| | |
|---|---|
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance UL certificate DLC compliance |
| Energy Consumption kWh/1000 h | – kWh |
| EU RoHS compliant | Yes |

### Product Data

| | |
|---|---|
| Order product name | 8.5T8/COR/24-850/MF11/G/BAA 25/1 |

| | |
|---|---|
| Full product name | 8.5T8/COR/24-850/MF11/G/BAA 25/1 |
| Order code | 929002498104 |
| Material Nr. (12NC) | 929002498104 |
| Numerator – Quantity Per Pack | 1 |
| Net Weight (Piece) | 0.113 kg |
| EAN/UPC – Product/Case | 046677563776 |
| Numerator – Packs per outer box | 25 |
| EAN/UPC – Case | 50046677563771 |

## Dimensional drawing
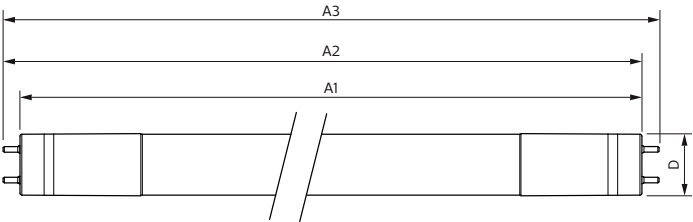


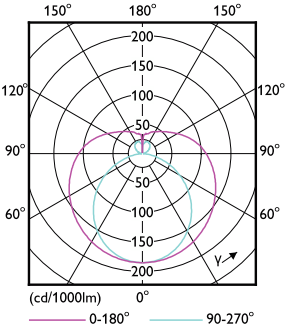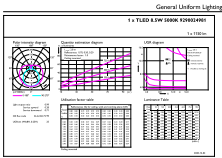| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| 8.5T8/COR/24-850/MF11/G/BAA 25/1 | 25.9 mm | 28 mm | 589.5 mm | 595.7 mm | 604 mm |

## Photometric data
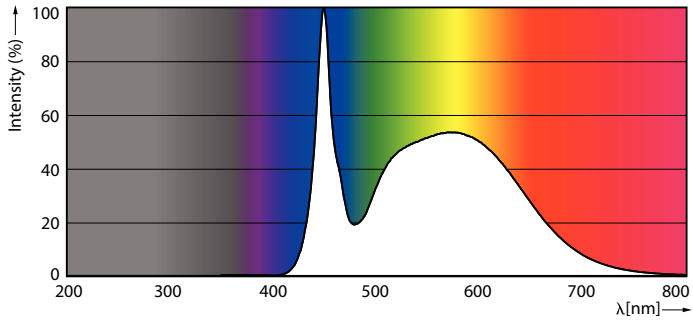


Spectral Power Distribution Colour – 8.5T8/COR/24-850/MF11/G/BAA 25/1


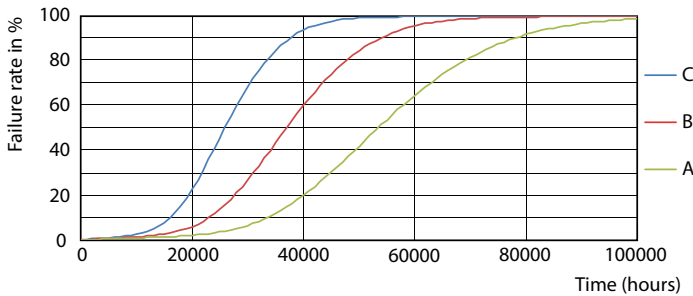
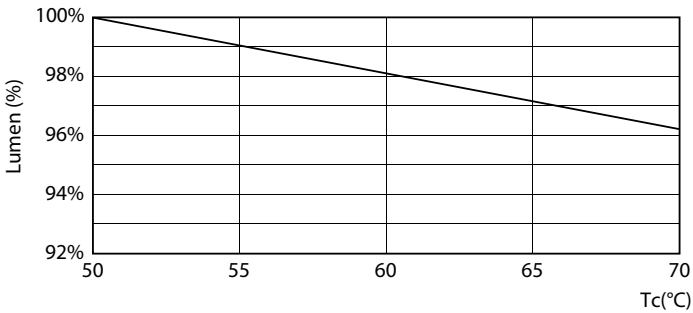Light Distribution Diagram – 8.5T8/COR/24-850/MF11/G/BAA 25/1

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## Photometric data



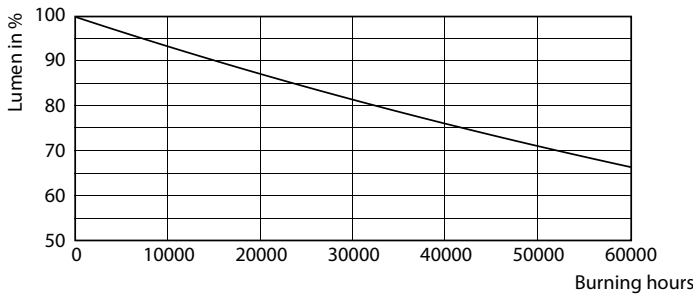General uniform lighting – 8.5T8/COR/24-850/MF11/G/BAA 25/1
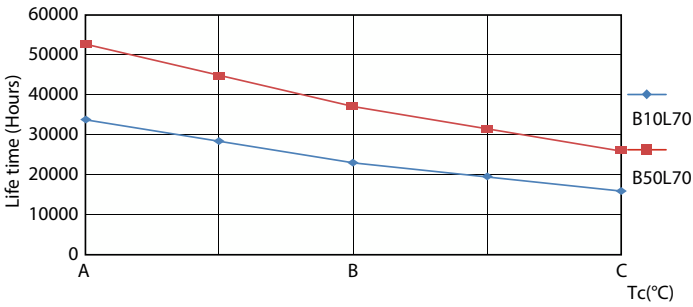
## Lifetime



Life Expectancy Diagram



FailureRate



Lumen Maintenance Diagram – 8.5T8/COR/24-850/MF11/G/BAA 25/1



Lumen Maintenance Diagram – 8.5T8/COR/24-850/MF11/G/BAA 25/1

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### Lifetime



**LifetimeVsTc**

www.lighting.philips.com

2024, July 15 – data subject to change