



T8

12.5T8/COR/48-840/MF18/G 10/1

Philips MainsFit (UL Type B) CorePro T8 LED tubes deliver high-quality, flicker free performance at an affordable price. The UL Type B LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to Philips and realize 50,000 hour LED lifetime backed by a 5-year, full replacement limited warranty.

Product data

| General Information | | Lamp Current (Min) | |
|---------------------------------------|----------------------------------|---------------------------------|-----------|
| Base | G13 [Medium Bi-Pin Fluorescent] | | 45 mA |
| EU RoHS compliant | Yes | Starting Time (Nom) | 0.5 s |
| Nominal Lifetime (Nom) | 50000 h | Warm Up Time to 60% Light (Nom) | 0.5 s |
| Switching Cycle | 50000X | Power Factor (Nom) | 0.9 |
| Technical Type | 12.5-25-28-30-32W | Voltage (Nom) | 120-277 V |
| Light Technical | | Temperature | |
| Color Code | 841 [CCT of 4100K (841)] | T-Ambient (Max) | 45 °C |
| Beam Angle (Nom) | 240 ° | T-Ambient (Min) | -20 °C |
| Initial lumen (Nom) | 1800 lm | T-Storage (Max) | 65 °C |
| Color Designation | Cool White (CW) | T-Storage (Min) | -40 °C |
| Correlated Color Temperature (Nom) | 4000 K | T-Case Maximum (Nom) | 60 °C |
| Luminous Efficacy (rated) (Nom) | 144.00 lm/W | Controls and Dimming | |
| Color Consistency | <6 | Dimmable | No |
| Color Rendering Index (Nom) | 82 | Mechanical and Housing | |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % | Bulb Finish | Frosted |
| Operating and Electrical | | Bulb Material | Glass |
| Input Frequency | 50 to 60 Hz | Product Length | 48 in |
| Power (Rated) (Nom) | 12.5 W | | |
| Lamp Current (Max) | 105 mA | | |

T8

Approval and Application

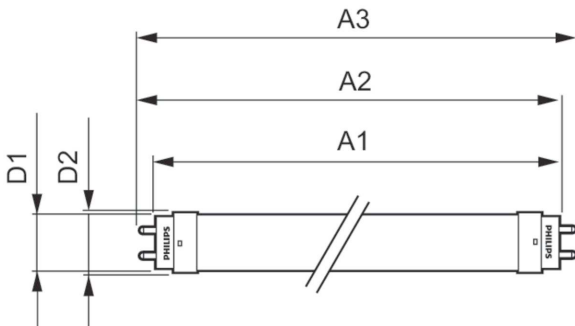
| | |
|-------------------------------|---|
| Energy Efficiency Label (EEL) | Not applicable |
| Energy Saving Product | Yes |
| Approbation Marks | RoHS compliance UL certificate DLC compliance |
| Energy Consumption kWh/1000 h | - kWh |

Product Data

| | |
|--------------------|-------------------------------|
| Order product name | 12.5T8/COR/48-840/MF18/G 10/1 |
|--------------------|-------------------------------|

| | |
|---------------------------------|--------------|
| EAN/UPC - Product | 046677477332 |
| Order code | 477331 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 10 |
| Material Nr. (12NC) | 929002394604 |
| Net Weight (Piece) | 0.220 kg |
| Model Number | 9290023946 |

Dimensional drawing

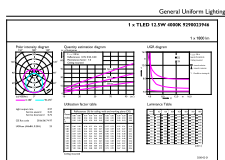


TLED T8 120-277V 12.5-32W 1800lm 4000K

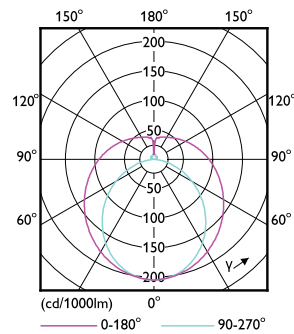
Product

12.5T8/COR/48-840/MF18/G 10/1

Photometric data



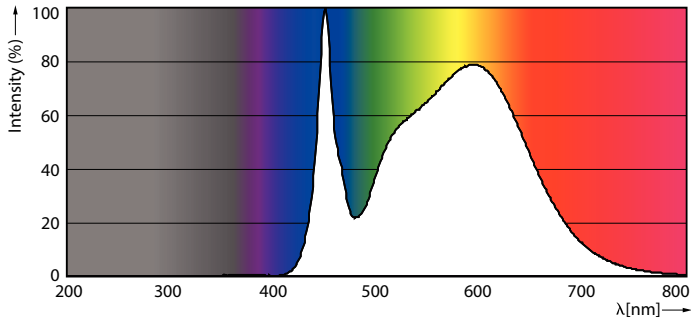
OSRAM Photometric Data - Philips Lighting B.V. Page 11



LEDtube G13 COR

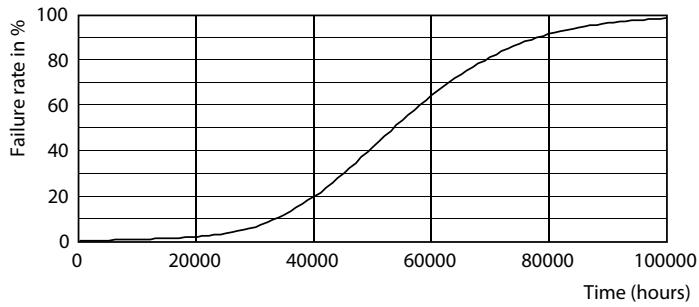
LEDtube 12,5W G13 1800lm 840

Photometric data



LEDtube G13 840 COR

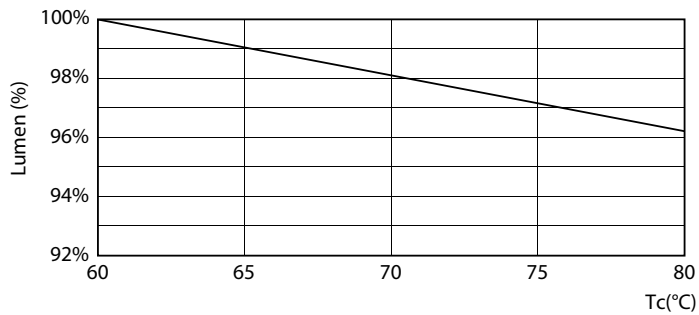
Lifetime



LEDtube 50K-LED



LEDtube 50K FailureRate-LED



LEDtube 12,5W 50K LumenVsTc



LEDtube 50K-LMP

Lifetime



LEDtube 50K LifetimeVsTc-LED

