



# T8

## 9.9T8/COR/48-840/MF16/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. The DLC 5.1 listed products are compatible with Philips new PTB15D emergency driver meeting UL 924 requirements.

### Product data

| General Information                   |                                  |
|---------------------------------------|----------------------------------|
| Base                                  | G13 [ Medium Bi-Pin Fluorescent] |
| EU RoHS compliant                     | Yes                              |
| Nominal Lifetime (Nom)                | 50000 h                          |
| Switching Cycle                       | 50000X                           |
| Technical Type                        | 9.9-32W                          |
| Light Technical                       |                                  |
| Color Code                            | 841 [ CCT of 4100K (841)]        |
| Beam Angle (Nom)                      | 240 °                            |
| Initial lumen (Nom)                   | 1600 lm                          |
| Color Designation                     | Cool White (CW)                  |
| Correlated Color Temperature (Nom)    | 4000 K                           |
| Luminous Efficacy (rated) (Nom)       | 161.00 lm/W                      |
| Color Consistency                     | <6                               |
| Color Rendering Index (Nom)           | 80                               |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                             |
| Operating and Electrical              |                                  |
| Input Frequency                       | 50 to 60 Hz                      |
| Power (Rated) (Nom)                   | 9.9 W                            |

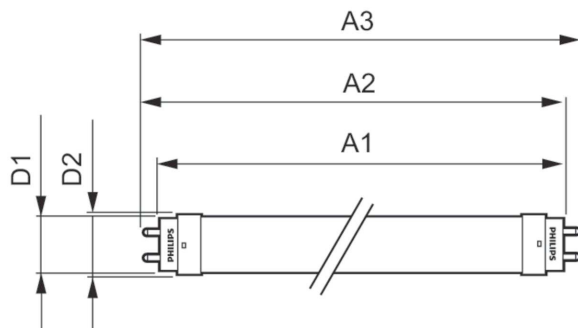
| Lamp Current (Max)              | 85 mA                       |
|---------------------------------|-----------------------------|
| Lamp Current (Min)              | 40 mA                       |
| Starting Time (Nom)             | 0.5 s                       |
| Warm Up Time to 60% Light (Nom) | 0.5 s                       |
| UL Type                         | Type B - bypass the ballast |
| Power Factor (Nom)              | 0.9                         |
| Voltage (Nom)                   | 120-277 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)            | 70 °C                       |
| Controls and Dimming            |                             |
| Dimmable                        | Limited                     |
| Mechanical and Housing          |                             |
| Bulb Finish                     | Frosted                     |
| Bulb Material                   | Glass                       |

# T8

|                                 |   |
|---------------------------------|---|
| Product Length                  | 48 in   |
| Bulb Shape                      | Tube, double-ended                            |
| <b>Approval and Application</b> |   |
| Energy Saving Product           | Yes   |
| Approbation Marks               | RoHS compliance UL certificate DLC compliance |
| Energy Consumption kWh/1000 h   | - kWh   |
| <b>Product Data</b>             |   |
| Order product name              | 9.9T8/COR/48-840/MF16/G 10/1                  |

|                                 |              |
|---------------------------------|--------------|
| EAN/UPC - Product               | 046677563462 |
| Order code                      | 563460       |
| Numerator - Quantity Per Pack   | 1            |
| Numerator - Packs per outer box | 10           |
| Material Nr. (12NC)             | 929002483804 |
| Net Weight (Piece)              | 0.200 kg     |
| Model Number                    | 9290024838   |

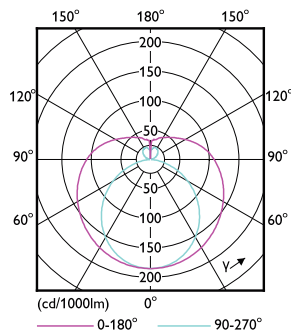
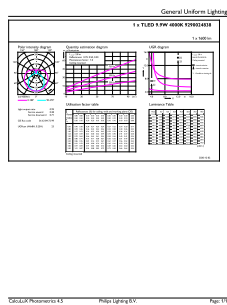
## Dimensional drawing



| Product                      | D1      | D2    | A1        | A2        | A3        |
|------------------------------|---------|-------|-----------|-----------|-----------|
| 9.9T8/COR/48-840/MF16/G 10/1 | 25.7 mm | 28 mm | 1198.2 mm | 1205.3 mm | 1212.4 mm |

TLED T8 120-277V 9.9-32W 1600lm 4000K

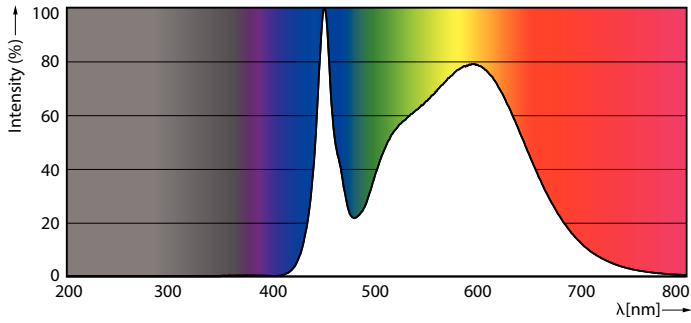
## Photometric data



LEDtube COR 9,9W G13 1600lm 840

LEDtube COR 9,9W G13 1550lm

Photometric data



LEDtube COR 9,9W G13 1600lm 840

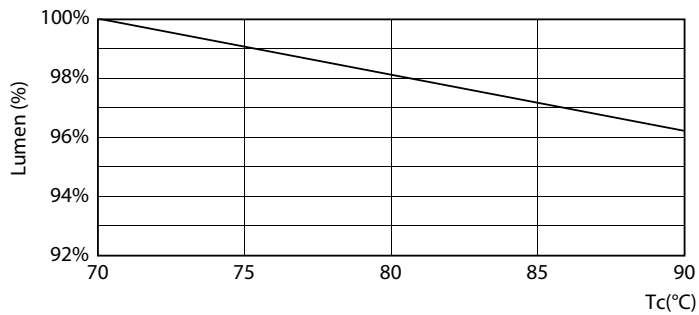
Lifetime



LEDtube 50K-LED



LEDtube 50K FailureRate-LED



LEDtube COR 9,9W 50K LumenVsTc



LEDtube 50K-LMP

Lifetime



LEDtube 50K LifetimeVsTc-LED

