



# T8

## 14.5T8/MAS/48-840/MF21/P 10/1

Introducing Philips MainsFit (UL Type B) MasterClass T8 LED tubes with industry leading reliability, shatter-prevention and lifetime. The UL Type B LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to MasterClass and realize 70,000 hour LED lifetime backed by a 7-year, full replacement limited warranty (see [www.philips.com/mainsfit](http://www.philips.com/mainsfit) for more info),

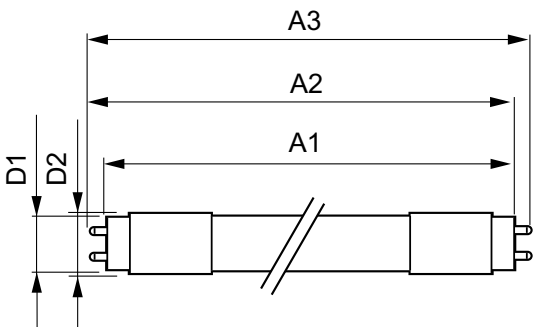
### Product data

| General Information                   |                                  | Power (Rated) (Nom)             |                             |
|---------------------------------------|----------------------------------|---------------------------------|-----------------------------|
| Base                                  | G13 [ Medium Bi-Pin Fluorescent] | Lamp Current (Max)              | 125 mA                      |
| EU RoHS compliant                     | Yes                              | Lamp Current (Min)              | 54 mA                       |
| Nominal Lifetime (Nom)                | 70000 h                          | Starting Time (Nom)             | 0.5 s                       |
| Switching Cycle                       | 50000X                           | Warm Up Time to 60% Light (Nom) | 0.10 s                      |
| Technical Type                        | 14.5-32W                         | UL Type                         | Type B - bypass the ballast |
| Light Technical                       |                                  | Power Factor (Nom)              | 0.9                         |
| Color Code                            | 841 [ CCT of 4100K (841)]        | Voltage (Nom)                   | 120-277 V                   |
| Beam Angle (Nom)                      | 180 °                            | Temperature                     |                             |
| Initial lumen (Nom)                   | 2100 lm                          | T-Ambient (Max)                 | 45 °C                       |
| Luminous Flux (Rated) (Nom)           | 2100 lm                          | T-Ambient (Min)                 | -20 °C                      |
| Color Designation                     | Cool White (CW)                  | T-Storage (Max)                 | 65 °C                       |
| Correlated Color Temperature (Nom)    | 4000 K                           | T-Storage (Min)                 | -40 °C                      |
| Luminous Efficacy (rated) (Nom)       | 144.00 lm/W                      | T-Case Maximum (Nom)            | 70 °C                       |
| Color Consistency                     | <6                               | Controls and Dimming            |                             |
| Color Rendering Index (Nom)           | 80                               | Dimmable                        | No                          |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                             | Mechanical and Housing          |                             |
| Operating and Electrical              |                                  | Bulb Material                   | Plastic                     |
| Input Frequency                       | 50 to 60 Hz                      |                                 |                             |

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Product Length                | 48 in                                         |
| Bulb Shape                    | Tube, double-ended                            |
| Approval and Application      |                                               |
| Energy Saving Product         | Yes                                           |
| Approbation Marks             | RoHS compliance UL certificate DLC compliance |
| Energy Consumption kWh/1000 h | - kWh                                         |
| Product Data                  |                                               |
| Order product name            | 14.5T8/MAS/48-840/MF21/P 10/1                 |

|                                 |              |
|---------------------------------|--------------|
| EAN/UPC - Product               | 046677557409 |
| Order code                      | 557405       |
| Numerator - Quantity Per Pack   | 1            |
| Numerator - Packs per outer box | 10           |
| Material Nr. (12NC)             | 929002325604 |
| Net Weight (Piece)              | 0.120 kg     |
| Model Number                    | 9290023256   |

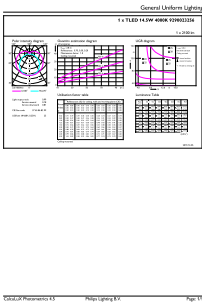
Dimensional drawing



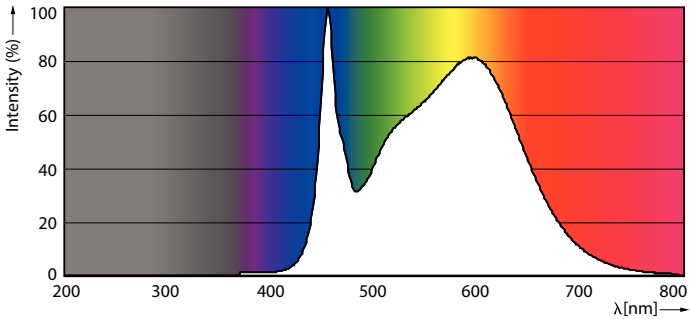
TLED T8 120-277V 14.5-32W 2100lm 4000K

| Product                       | D1      | D2    | A1      | A2      | A3      |
|-------------------------------|---------|-------|---------|---------|---------|
| 14.5T8/MAS/48-840/MF21/P 10/1 | 25.7 mm | 28 mm | 1198 mm | 1205 mm | 1212 mm |

Photometric data

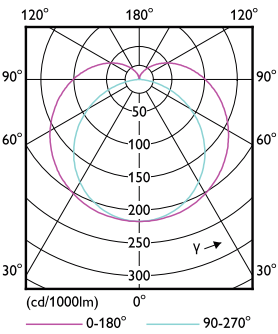


LEDtube\_14.5W\_G13\_840-GUL



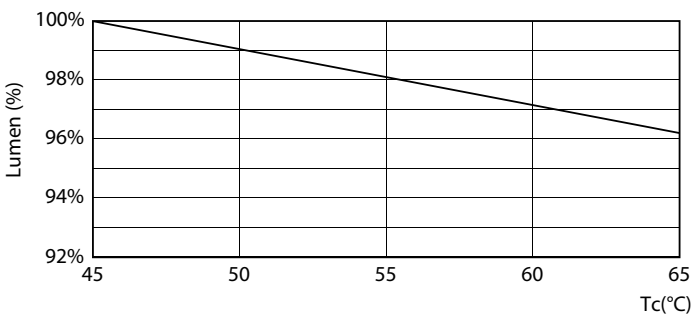
LEDtube\_G13\_840-POC

Photometric data

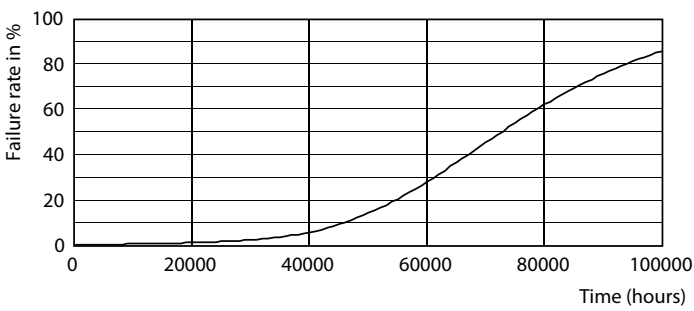


LEDtube\_G13\_1-LDD

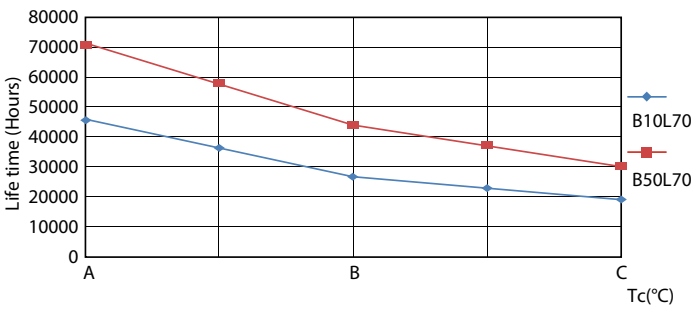
Lifetime



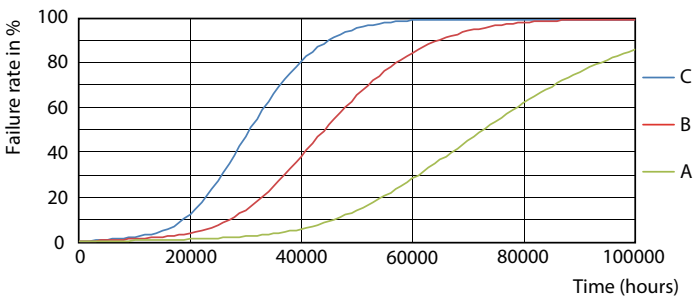
LEDtube\_70K\_1\_LumenVsTc-LMP



LEDtube\_70K-LED

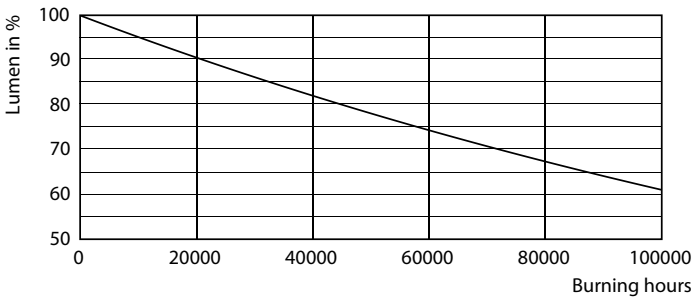


LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

Lifetime



LEDtube\_70K-LMP

