



# T8

## 10.5T8/MAS/48-850/MF16/P 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.

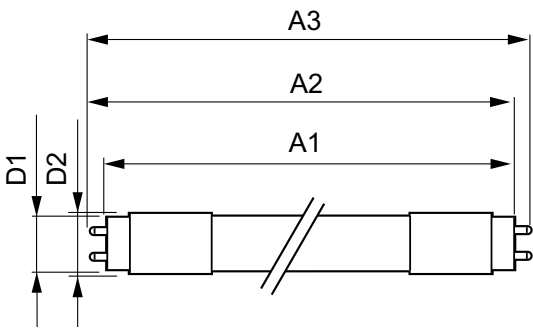
### Product data

|                                       |                                 |                               |                             |
|---------------------------------------|---------------------------------|-------------------------------|-----------------------------|
| <b>General Information</b>            |                                 | <b>Input Frequency</b>        |                             |
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] | Power Consumption             | 10.5 W                      |
| Nominal lifetime                      | 70,000 hour(s)                  | Lamp Current (Max)            | 100 mA                      |
| Switching Cycle                       | 50,000                          | Lamp Current (Min)            | 43 mA                       |
| Lighting Technology                   | LED                             | Wattage Equivalent            | 32 W                        |
| EU RoHS compliant                     | Yes                             | Starting Time (Nom)           | 0.5 s                       |
| <b>Light Technical</b>                |                                 | Warm-up time to 60% light     | 0.5 s                       |
| Color Code                            | 850 [CCT of 5000K]              | Power Factor (Fraction)       | 0.9                         |
| Beam Angle (Nom)                      | 180 degree(s)                   | Voltage (Nom)                 | 120-277 V                   |
| Luminous Flux                         | 1,650 lm                        | UL Type                       | Type B - bypass the ballast |
| Color Designation                     | Daylight                        | <b>Temperature</b>            |                             |
| Correlated Color Temperature (Nom)    | 5000 K                          | Ambient temperature range     | -4 °F to 113 °F             |
| Luminous Efficacy (rated) (Nom)       | 157.00 lm/W                     | T-Case Maximum (Nom)          | 158 °F                      |
| Color Consistency                     | <5                              | <b>Controls and Dimming</b>   |                             |
| Color rendering index (CRI)           | 80                              | Dimmable                      | Limited                     |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                            | <b>Mechanical and Housing</b> |                             |
| <b>Operating and Electrical</b>       |                                 | Bulb Finish                   | Frosted                     |
| Line Frequency                        | 50 to 60 Hz                     |                               |                             |

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Bulb Material            | Plastic                                       |
| Product Length           | 47-1/4 inch                                   |
| Bulb Shape               | T8                                            |
| Approval and Application |                                               |
| Energy Saving Product    | Yes                                           |
| Approval Marks           | RoHS compliance UL certificate DLC compliance |
| Product Data             |                                               |
| Order product name       | 10.5T8/MAS/48-850/MF16/P 10/1                 |

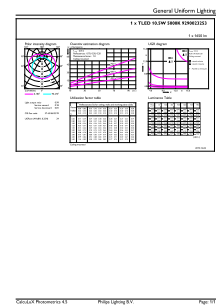
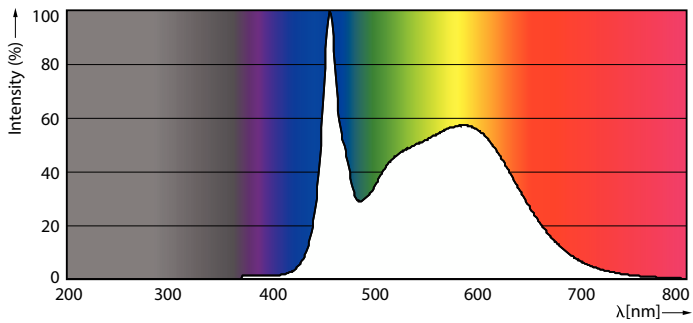
|                                 |                               |
|---------------------------------|-------------------------------|
| Full product name               | 10.5T8/MAS/48-850/MF16/P 10/1 |
| Order code                      | 575506                        |
| Material Nr. (12NC)             | 929002325334                  |
| Numerator - Quantity Per Pack   | 1                             |
| EAN/UPC - Product/Case          | 046677575502                  |
| Numerator - Packs per outer box | 10                            |
| EAN/UPC - Case                  | 50046677575507                |

Dimensional drawing



| Product                           | D1          | D2         | A1           | A2          | A3          |
|-----------------------------------|-------------|------------|--------------|-------------|-------------|
| 10.5T8/MAS/48-850/<br>MF16/P 10/1 | 1-1/16 inch | 1-1/8 inch | 47-3/16 inch | 47-1/2 inch | 47-3/4 inch |

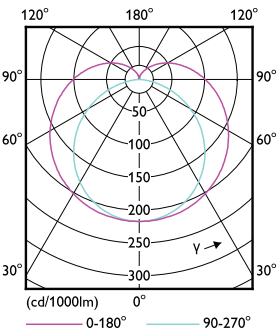
Photometric data



Spectral Power Distribution Colour - 10.5T8/MAS/48-850/MF16/P 10/1

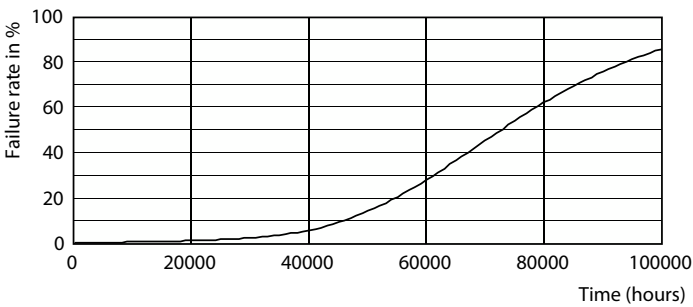
General uniform lighting - 10.5T8/MAS/48-850/MF16/P 10/1

Photometric data

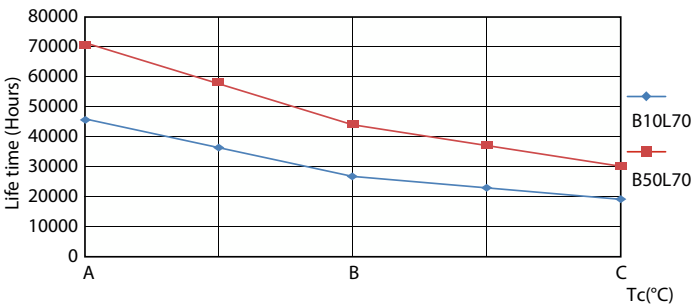


Light Distribution Diagram - 10.5T8/MAS/48-850/MF16/P 10/1

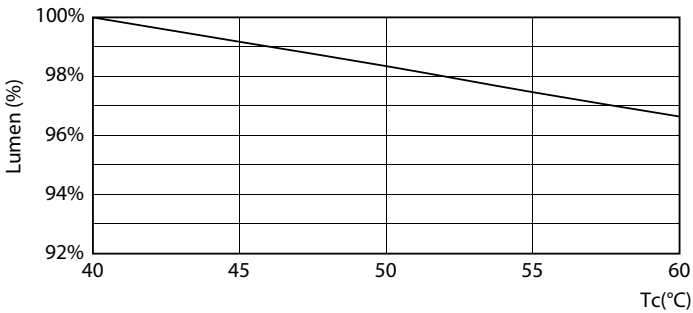
Lifetime



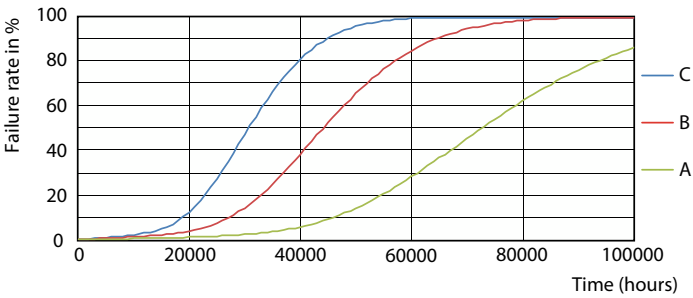
Life Expectancy Diagram - 10.5T8/MAS/48-850/MF16/P 10/1



Life Expectancy Diagram - 10.5T8/MAS/48-850/MF16/P 10/1

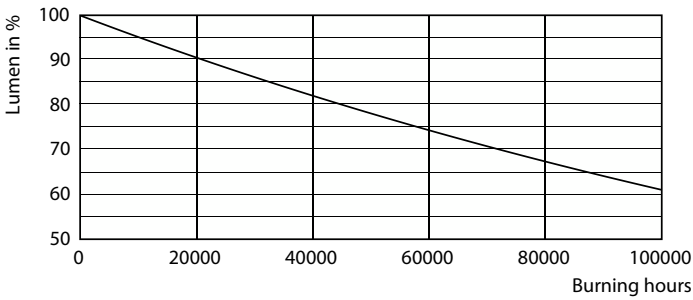


Lumen Maintenance Diagram - 10.5T8/MAS/48-850/MF16/P 10/1



Life Expectancy Diagram - 10.5T8/MAS/48-850/MF16/P 10/1

Lifetime



Lumen Maintenance Diagram - 10.5T8/MAS/48-850/MF16/P 10/1

