



# T8

## 10.5T8/MAS/48-840/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

| General Information                   |                                 | Input Frequency           |                             |
|---------------------------------------|---------------------------------|---------------------------|-----------------------------|
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] | Input Frequency           | 50 to 60 Hz                 |
| Nominal lifetime                      | 70,000 hour(s)                  | Power Consumption         | 10.5 W                      |
| Switching Cycle                       | 50,000                          | Lamp Current (Max)        | 100 mA                      |
| Lighting Technology                   | LED                             | Lamp Current (Min)        | 43 mA                       |
| EU RoHS compliant                     | Yes                             | Wattage Equivalent        | 32 W                        |
|                                       |                                 | Starting Time (Nom)       | 0.5 s                       |
|                                       |                                 | Warm-up time to 60% light | 0.5 s                       |
|                                       |                                 | Power Factor (Fraction)   | 0.9                         |
|                                       |                                 | Voltage (Nom)             | 120-277 V                   |
|                                       |                                 | UL Type                   | Type B - bypass the ballast |
| Light Technical                       |                                 | Temperature               |                             |
| Color Code                            | 840 [CCT of 4000K]              | Ambient temperature range | -20 °C to 45 °C             |
| Beam Angle (Nom)                      | 180 degree(s)                   | T-Case Maximum (Nom)      | 70 °C                       |
| Luminous Flux                         | 1,650 lm                        |                           |                             |
| Color Designation                     | Cool White (CW)                 | Controls and Dimming      |                             |
| Correlated Color Temperature (Nom)    | 4000 K                          | Dimmable                  | Limited                     |
| Luminous Efficacy (rated) (Nom)       | 157.00 lm/W                     |                           |                             |
| Color Consistency                     | <6                              | Mechanical and Housing    |                             |
| Color rendering index (CRI)           | 80                              | Bulb Finish               | Frosted                     |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                            |                           |                             |
| Operating and Electrical              |                                 |                           |                             |
| Line Frequency                        | 50 to 60 Hz                     |                           |                             |

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|                |          |
|----------------|----------|
| Bulb Material  | Plastic  |
| Product Length | 1,200 mm |
| Bulb Shape     | T8       |

## Approval and Application

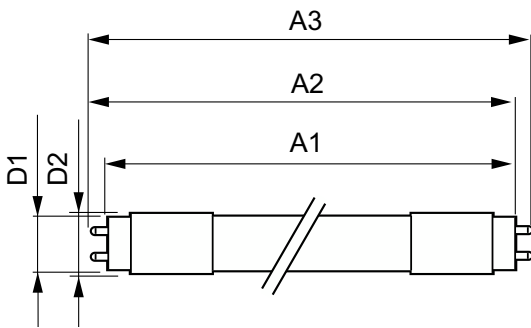
|                       |   |
|-----------------------|---|
| Energy Saving Product | Yes   |
| Approval Marks        | RoHS compliance UL certificate DLC compliance |

## Product Data

|                    |                               |
|--------------------|-------------------------------|
| Order product name | 10.5T8/MAS/48-840/MF16/P 10/1 |
|--------------------|-------------------------------|

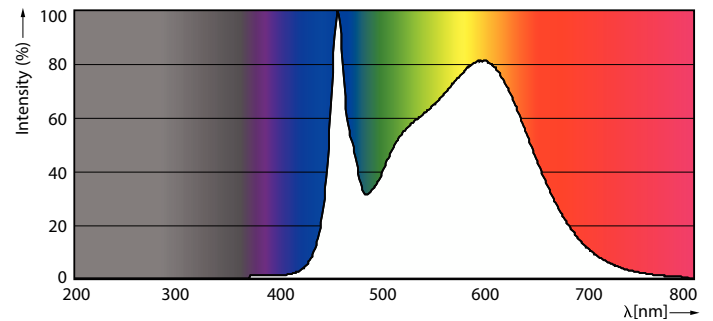
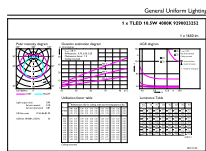
|                                 |                               |
|---------------------------------|-------------------------------|
| Full product name               | 10.5T8/MAS/48-840/MF16/P 10/1 |
| Order code                      | 575498                        |
| Material Nr. (12NC)             | 929002325234                  |
| Numerator - Quantity Per Pack   | 1                             |
| EAN/UPC - Product/Case          | 046677575496                  |
| Numerator - Packs per outer box | 10                            |
| EAN/UPC - Case                  | 50046677575491                |

## Dimensional drawing



| Product                       | D1      | D2    | A1       | A2       | A3       |
|-------------------------------|---------|-------|----------|----------|----------|
| 10.5T8/MAS/48-840/MF16/P 10/1 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |

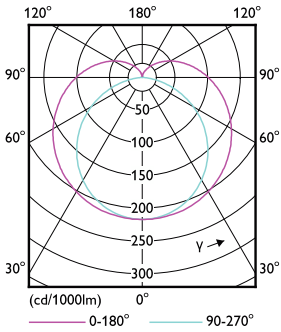
## Photometric data



General uniform lighting - 10.5T8/MAS/48-840/MF16/P 10/1

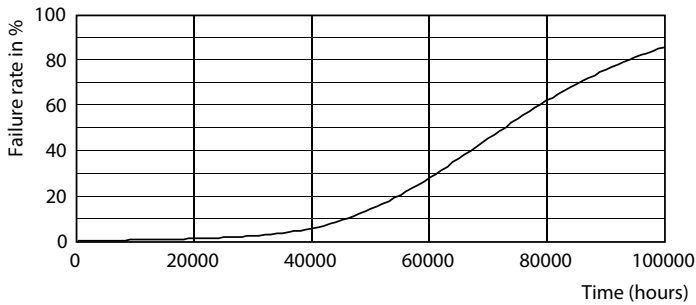
Spectral Power Distribution Colour - 10.5T8/MAS/48-840/MF16/P 10/1

Photometric data

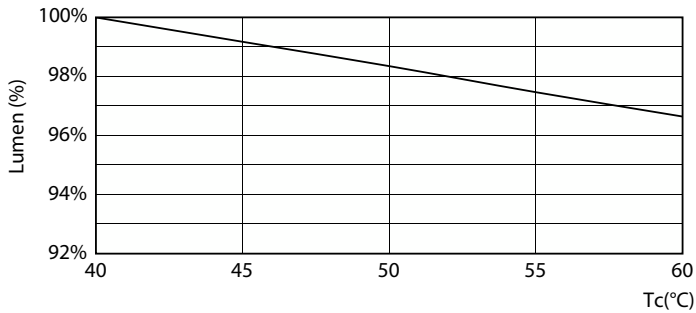


Light Distribution Diagram - 10.5T8/MAS/48-840/MF16/P 10/1

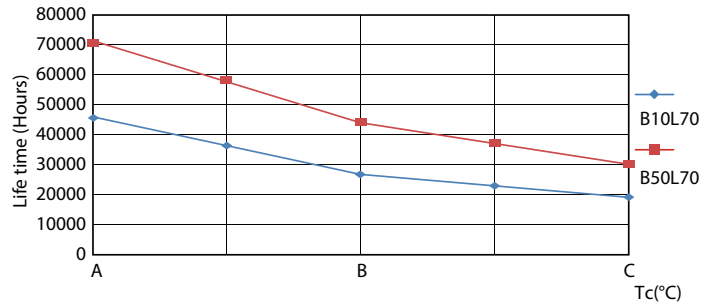
Lifetime



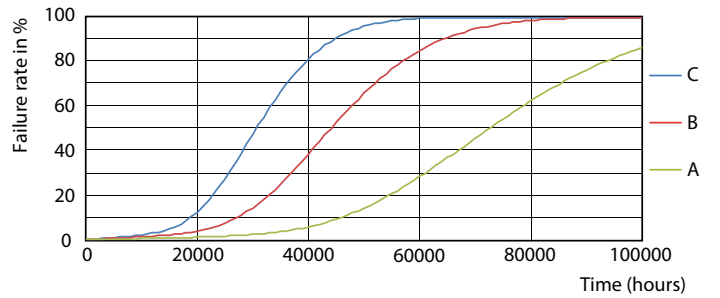
Life Expectancy Diagram - 10.5T8/MAS/48-840/MF16/P 10/1



Lumen Maintenance Diagram - 10.5T8/MAS/48-840/MF16/P 10/1



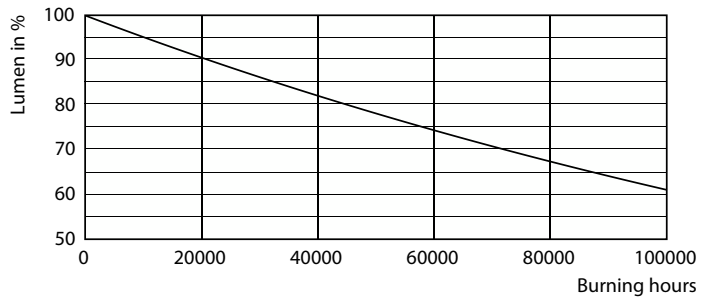
Life Expectancy Diagram - 10.5T8/MAS/48-840/MF16/P 10/1



Life Expectancy Diagram - 10.5T8/MAS/48-840/MF16/P 10/1

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## Lifetime



Lumen Maintenance Diagram - 10.5T8/MAS/48-840/MF16/P 10/1

