



# MasterClass MainsFit (UL Type-B) T8

10.5T8/MAS/48-850/MF16/P/DIM 25/1

MasterClass, LEDtube, T8, 47-1/4 inch, 10.5 W, 5000 K, 1600 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 47-1/4 inch, 10.5 W, 5000 K, 1600 lm, 70000 hour(s), 152.00 lm/W, G13, Plastic

## Product data

| General Information                   |                    |                           |                            |
|---------------------------------------|--------------------|---------------------------|----------------------------|
| Cap-Base                              | G13                | Input Frequency           | 50 to 60 Hz                |
| Nominal lifetime                      | 70,000 hour(s)     | Power Consumption         | 10.5 W                     |
| Switching Cycle                       | 50,000             | Lamp Current (Max)        | 90 mA                      |
| Lighting Technology                   | LEDtube            | Lamp Current (Min)        | 42 mA                      |
|                                       |                    | 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                   | UL Type B                  |
| Light Technical                       |                    | Temperature               |                            |
| Color Code                            | 850 [CCT of 5000K] | T-Case Maximum (Nom)      | 158 °F                     |
| Beam Angle (Nom)                      | 180 degree(s)      |                           |                            |
| Luminous Flux                         | 1,600 lm           | Controls and Dimming      |                            |
| Color Designation                     | Daylight           | Dimmable                  | Only with specific dimmers |
| Correlated Color Temperature (Nom)    | 5000 K             |                           |                            |
| Luminous Efficacy (rated) (Nom)       | 152.00 lm/W        | Mechanical and Housing    |                            |
| Color Consistency                     | <5                 | Bulb Finish               | Frosted                    |
| Color rendering index (CRI)           | 80                 |                           |                            |
| 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     | 47-1/4 inch |
| Bulb Shape         | T8          |
| Net Weight (Piece) | 0.463 lb    |

Approval and Application

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Energy Saving Product     | Yes                                           |
| Approval Marks            | RoHS compliance UL certificate DLC compliance |
| EU RoHS compliant         | Yes                                           |
| Ambient temperature range | -4 °F to 113 °F                               |

Application Conditions

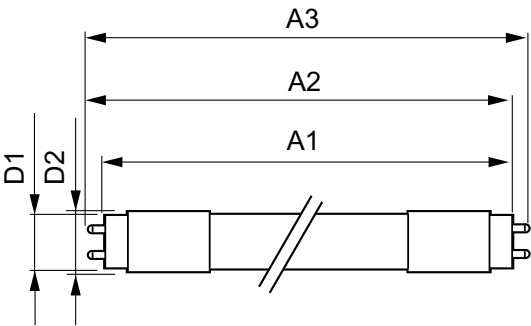
|                                     |     |
|-------------------------------------|-----|
| can it be used in closed luminaires | Yes |
|-------------------------------------|-----|

|                     |                |
|---------------------|----------------|
| Wireless Technology | Not applicable |
|---------------------|----------------|

Product Data

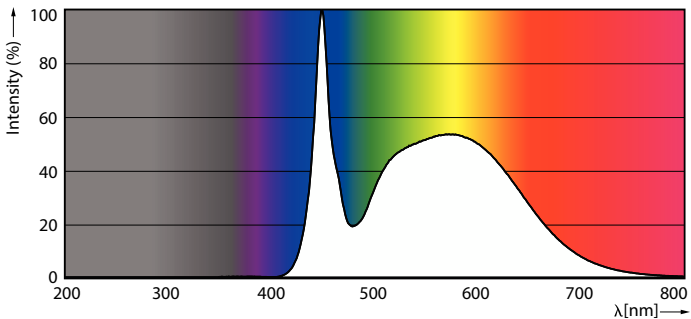
|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | 10.5T8/MAS/48-850/MF16/P/DIM 25/1 |
| Full product name               | 10.5T8/MAS/48-850/MF16/P/DIM 25/1 |
| Order code                      | 579466                            |
| Material Nr. (12NC)             | 929003525304                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 046677579463                      |
| Numerator - Packs per outer box | 25                                |
| EAN/UPC - Case                  | 50046677579468                    |

Dimensional drawing

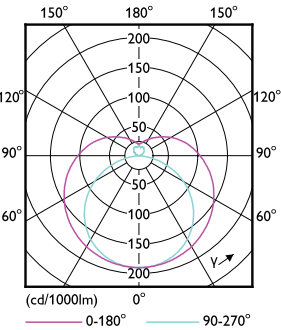


| Product                           | D1          | D2         | A1           | A2          | A3          |
|-----------------------------------|-------------|------------|--------------|-------------|-------------|
| 10.5T8/MAS/48-850/MF16/P/DIM 25/1 | 1-1/16 inch | 1-1/8 inch | 47-3/16 inch | 47-1/2 inch | 47-3/4 inch |

Photometric data



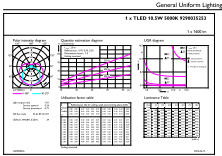
Spectral Power Distribution Colour - 10.5T8/MAS/48-850/MF16/P/DIM 25/1



Light Distribution Diagram - 10.5T8/MAS/48-850/MF16/P/DIM 25/1

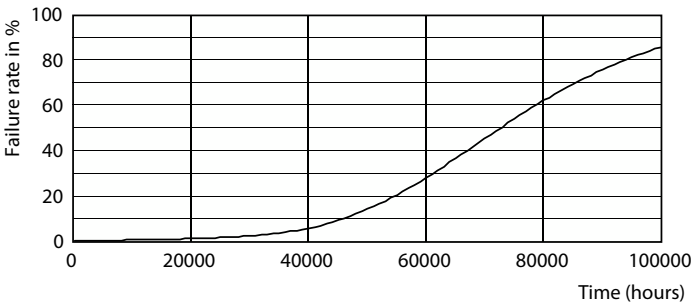
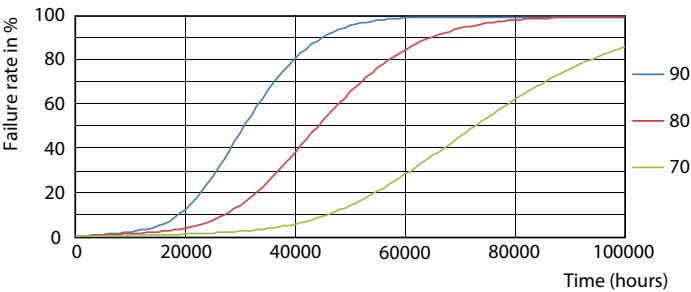
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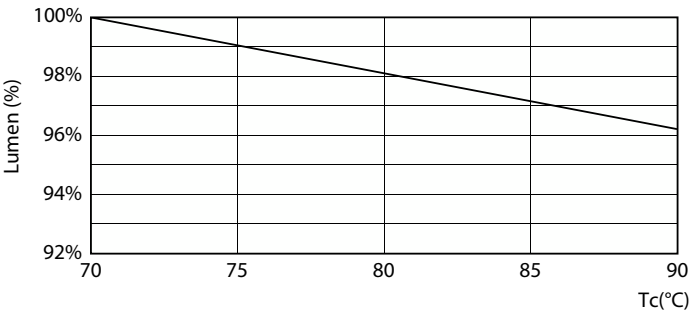


General uniform lighting - 10.5T8/MAS/48-850/MF16/P/DIM 25/1

Lifetime

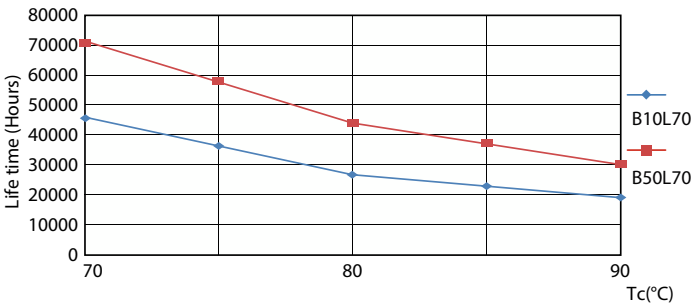


FailureRate



Lumen Maintenance Diagram - 10.5T8/MAS/48-850/MF16/P/DIM 25/1

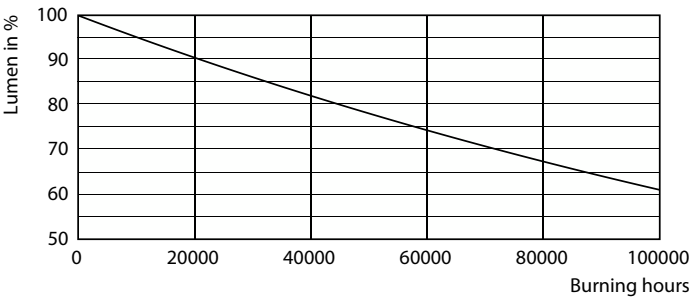
Life Expectancy Diagram



LifetimeVsTc

# MasterClass MainsFit (UL Type-B) T8

## Lifetime



Lumen Maintenance Diagram - 10.5T8/MAS/48-850/MF16/P/DIM 25/1

