



# MasterClass InstantFit (UL Type-A) T8

10.9T8/MAS/48-835/IF20/G/DIM UE 25/1

MasterClass, LEDtube, T8, 47-1/4 inch, 10.9 W, 3500 K, 2000 lm, 50000 hour(s)

MasterClass, LEDtube, T8, 47-1/4 inch, 10.9 W, 3500 K, 2000 lm, 50000 hour(s), 183 lm/W, G13, Glass

## Product data

| General Information                |                    |
|------------------------------------|--------------------|
| Cap-Base                           | G13                |
| Nominal lifetime                   | 50,000 hour(s)     |
| Switching Cycle                    | 50,000             |
| Lighting Technology                | LEDtube            |
| Light Technical                    |                    |
| Color Code                         | 835 [CCT of 3500K] |
| Beam Angle (Nom)                   | 220 degree(s)      |
| Luminous Flux                      | 2,000 lm           |
| Color Designation                  | White (WH)         |
| Correlated Color Temperature (Nom) | 3500 K             |
| Luminous Efficacy (rated) (Nom)    | 183 lm/W           |
| Color Consistency                  | <6                 |
| Color rendering index (CRI)        | 80                 |

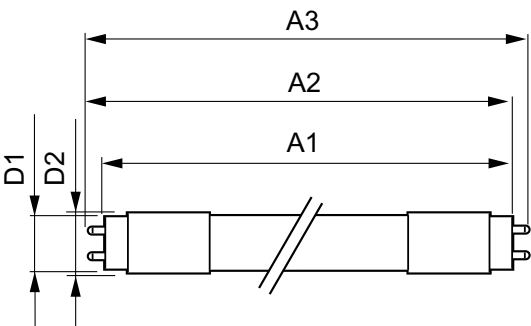
| LLMF At End Of Nominal Lifetime (Nom) 70 % |                |
|--------------------------------------------|----------------|
| Operating and Electrical                   |                |
| Input Frequency                            | 25K to 105K Hz |
| Power Consumption                          | 10.9 W         |
| Lamp Current (Max)                         | 260 mA         |
| Lamp Current (Min)                         | 80 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 A      |

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|                          |                                               |
|--------------------------|-----------------------------------------------|
| Temperature              |                                               |
| T-Case Maximum (Nom)     | 104 °F                                        |
| Controls and Dimming     |                                               |
| Dimmable                 | Yes - Check ballast compatibility             |
| Mechanical and Housing   |                                               |
| Bulb Finish              | Frosted                                       |
| Bulb Material            | Glass                                         |
| Product Length           | 47-1/4 inch                                   |
| Bulb Shape               | T8                                            |
| Net Weight (Piece)       | 0.441 lb                                      |
| Approval and Application |                                               |
| Energy Saving Product    | Yes                                           |
| Approval Marks           | RoHS compliance UL certificate DLC compliance |
| EU RoHS compliant        | Yes                                           |

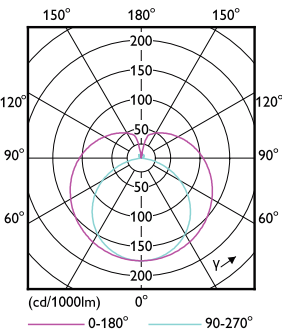
|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Ambient temperature range           | -4 to +113 °F                        |
| Application Conditions              |                                      |
| can it be used in closed luminaires | Yes                                  |
| Wireless Technology                 | Not applicable                       |
| Product Data                        |                                      |
| Order product name                  | 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1 |
| Full product name                   | 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1 |
| Order code                          | 605147                               |
| Material Nr. (12NC)                 | 929004255104                         |
| Numerator - Quantity Per Pack       | 1                                    |
| EAN/UPC - Product/Case              | 046677605148                         |
| Numerator - Packs per outer box     | 25                                   |
| EAN/UPC - Case                      | 50046677605143                       |

Dimensional drawing

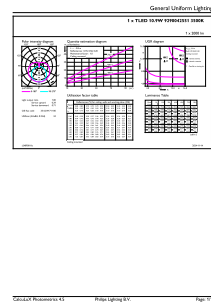


| Product                              | D1          | D2         | A1           | A2          | A3          |
|--------------------------------------|-------------|------------|--------------|-------------|-------------|
| 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1 | 1-1/16 inch | 1-1/8 inch | 47-3/16 inch | 47-1/2 inch | 47-3/4 inch |

Photometric data



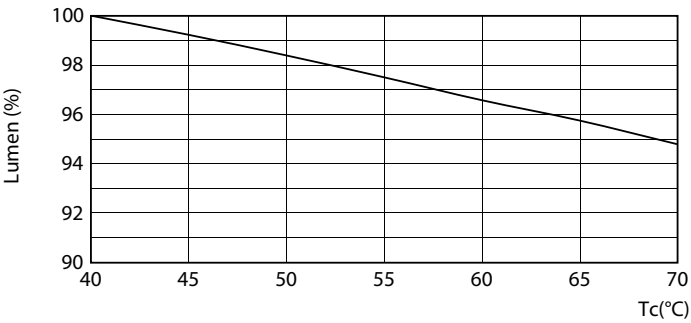
Light Distribution Diagram - 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1



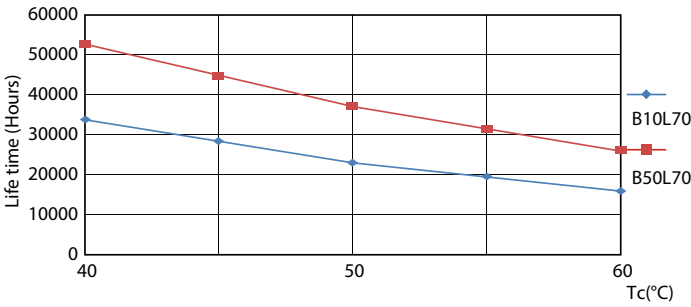
General uniform lighting - 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1

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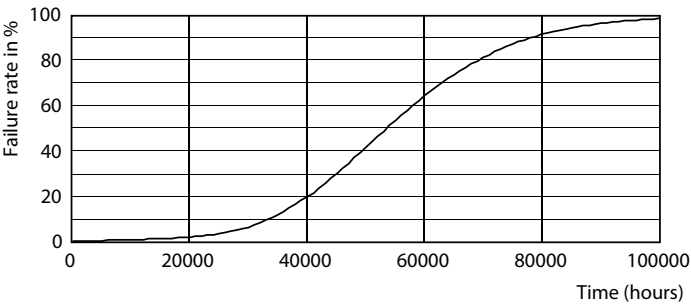
Lifetime



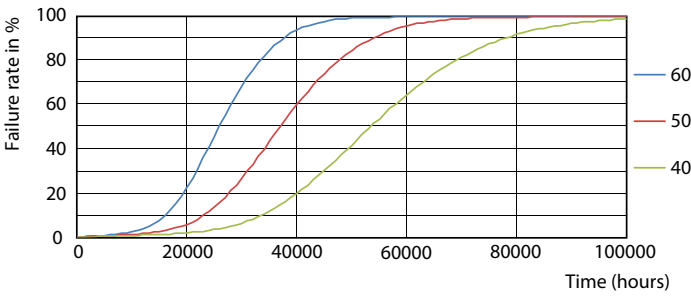
Lumen Maintenance Diagram - 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1



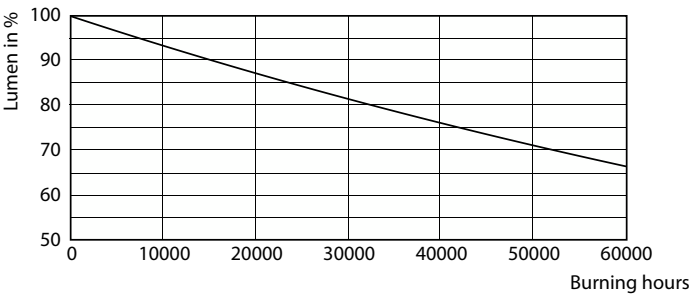
LifetimeVsTc



Life Expectancy Diagram



FailureRate



Lumen Maintenance Diagram - 10.9T8/MAS/48-835/IF20/G/DIM UE 25/1

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