

# Contractor-grade MainsFit (UL Type-B) T8

16.5T8/CNG/48-835/MF20/G 25/1

Contractor grade, LEDtube, T8, 47-1/4 inch, 16.5 W, 3500 K, 2000 lm, 50000 hour(s)

Contractor grade, LEDtube, T8, 47-1/4 inch, 16.5 W, 3500 K, 2000 lm, 50000 hour(s), 121.00 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)    | 121.00 lm/W        |
| Color Consistency                  | <6                 |
| Color rendering index (CRI)        | 80                 |

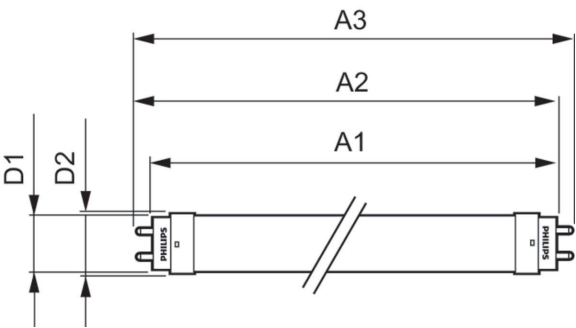
| LLMF At End Of Nominal Lifetime (Nom) 70 % |             |
|--------------------------------------------|-------------|
| Operating and Electrical                   |             |
| Line Frequency                             | 50 to 60 Hz |
| Input Frequency                            | 50 to 60 Hz |
| Power Consumption                          | 16.5 W      |
| Lamp Current (Max)                         | 134 mA      |
| Lamp Current (Min)                         | 58 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   |

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|                          |                                               |
|--------------------------|-----------------------------------------------|
| Temperature              |                                               |
| T-Case Maximum (Nom)     | 158 °F                                        |
| Controls and Dimming     |                                               |
| Dimmable                 | Limited                                       |
| Mechanical and Housing   |                                               |
| Bulb Finish              | Frosted                                       |
| Bulb Material            | Glass                                         |
| Product Length           | 47-1/4 inch                                   |
| Bulb Shape               | T8                                            |
| Net Weight (Piece)       | 0.419 lb                                      |
| Approval and Application |                                               |
| Energy Saving Product    | Yes                                           |
| Approval Marks           | RoHS compliance UL certificate DLC compliance |
| EU RoHS compliant        | Yes                                           |

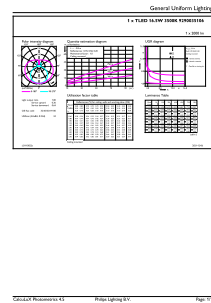
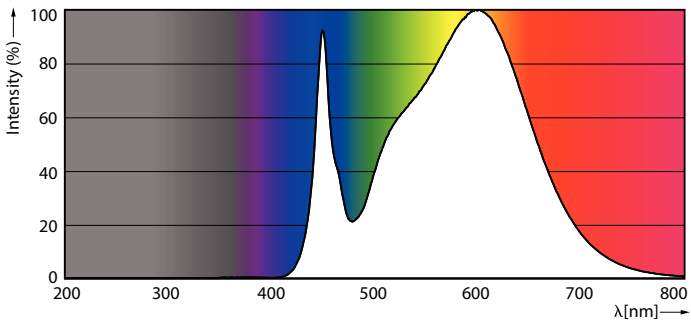
|                                     |                               |
|-------------------------------------|-------------------------------|
| Ambient temperature range           | -4 °F to 113 °F               |
| Application Conditions              |                               |
| can it be used in closed luminaires | Yes                           |
| Wireless Technology                 | Not applicable                |
| Product Data                        |                               |
| Order product name                  | 16.5T8/CNG/48-835/MF20/G 25/1 |
| Full product name                   | 16.5T8/CNG/48-835/MF20/G 25/1 |
| Order code                          | 579045                        |
| Material Nr. (12NC)                 | 929003510604                  |
| Numerator - Quantity Per Pack       | 1                             |
| EAN/UPC - Product/Case              | 046677579043                  |
| Numerator - Packs per outer box     | 25                            |
| EAN/UPC - Case                      | 50046677579048                |

Dimensional drawing



| Product                       | D1          | D2         | A1           | A2          | A3          |
|-------------------------------|-------------|------------|--------------|-------------|-------------|
| 16.5T8/CNG/48-835/MF20/G 25/1 | 1-1/16 inch | 1-1/8 inch | 47-3/16 inch | 47-1/2 inch | 47-3/4 inch |

Photometric data

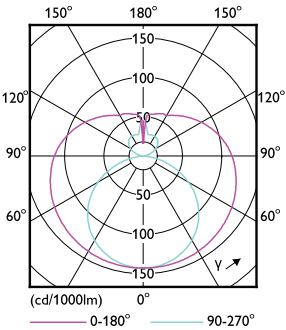


Spectral Power Distribution Colour - 16.5T8/CNG/48-835/MF20/G 25/1

General uniform lighting - 16.5T8/CNG/48-835/MF20/G 25/1

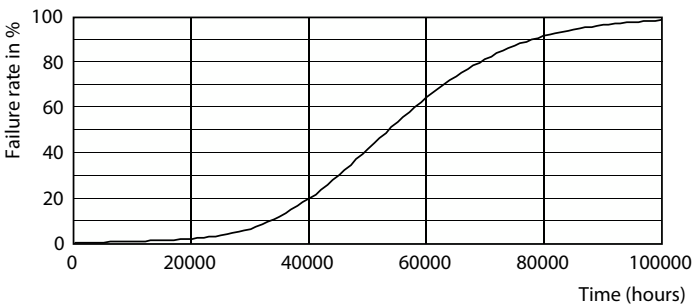
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Photometric data

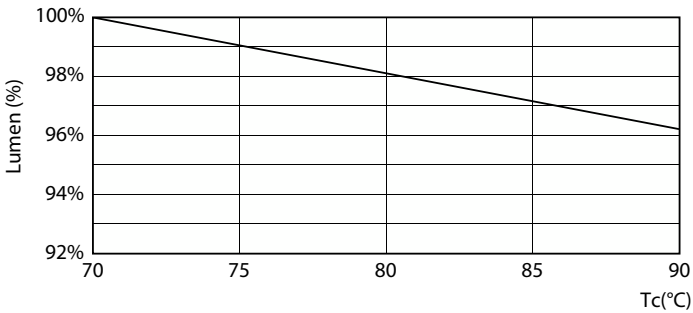


Light Distribution Diagram - 16.5T8/CNG/48-835/MF20/G 25/1

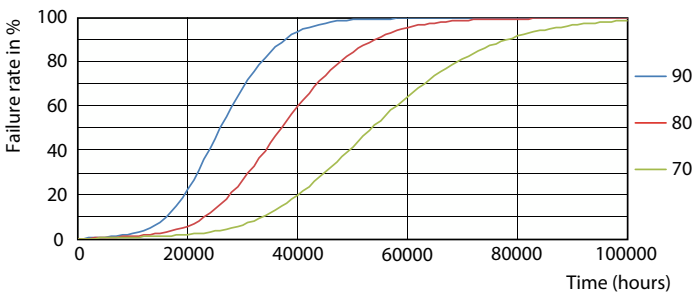
Lifetime



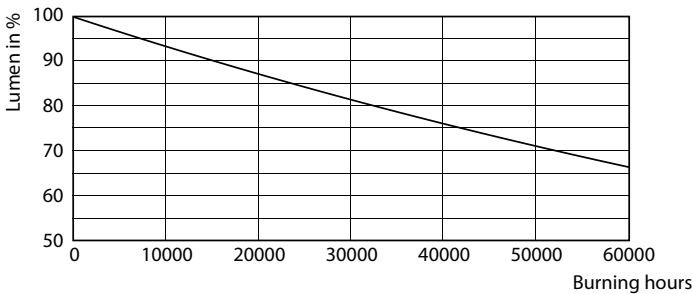
Life Expectancy Diagram



Lumen Maintenance Diagram - 16.5T8/CNG/48-835/MF20/G 25/1



LEDtube 50K 7090 FailureRate-LED



Lumen Maintenance Diagram - 16.5T8/CNG/48-835/MF20/G 25/1

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Lifetime



LifetimeVsTc

