

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

14.5T8/CNG/48-835/MF17/G 25/1

The Contractor-grade MainsFit (UL Type B) lamps are designed to provide simple retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp is similar to other UL Type B lamps in the Philips family by providing proven energy savings, long life (50k hours), surge suppression and industry leading safety features. All lamps in the Contractor-grade family are also double-ended to help simplify the installation.

## Product data

| General Information                |                                 |
|------------------------------------|---------------------------------|
| Cap-Base                           | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                   | 50,000 hour(s)                  |
| Switching Cycle                    | 50,000                          |
| Lighting Technology                | LED                             |
| EU RoHS compliant                  | Yes                             |
| Light Technical                    |                                 |
| Color Code                         | 835 [CCT of 3500K]              |
| Beam Angle (Nom)                   | 240 degree(s)                   |
| Luminous Flux                      | 1,750 lm                        |
| Color Designation                  | White (WH)                      |
| Correlated Color Temperature (Nom) | 3500 K                          |
| Luminous Efficacy (rated) (Nom)    | 120.00 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                          | 14.5 W      |
| Lamp Current (Max)                         | 125 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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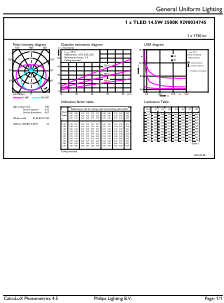
|                           |                                               |
|---------------------------|-----------------------------------------------|
| Temperature               |                                               |
| Ambient temperature range | -20 °C to 45 °C                               |
| T-Case Maximum (Nom)      | 70 °C                                         |
| Controls and Dimming      |                                               |
| Dimmable                  | Limited                                       |
| Mechanical and Housing    |                                               |
| Bulb Finish               | Frosted                                       |
| Bulb Material             | Glass                                         |
| Product Length            | 1,200 mm                                      |
| Bulb Shape                | T8                                            |
| Approval and Application  |                                               |
| Energy Saving Product     | Yes                                           |
| Approval Marks            | RoHS compliance UL certificate DLC compliance |

Dimensional drawing

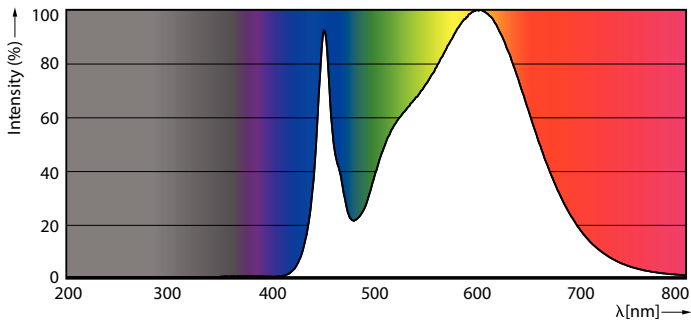
|                                     |                               |
|-------------------------------------|-------------------------------|
| Application Conditions              |                               |
| can it be used in closed luminaires | Yes                           |
| Product Data                        |                               |
| Order product name                  | 14.5T8/CNG/48-835/MF17/G 25/1 |
| Full product name                   | 14.5T8/CNG/48-835/MF17/G 25/1 |
| Order code                          | 929003474504                  |
| Material Nr. (12NC)                 | 929003474504                  |
| Numerator - Quantity Per Pack       | 1                             |
| EAN/UPC - Product/Case              | 046677577766                  |
| Numerator - Packs per outer box     | 25                            |
| EAN/UPC - Case                      | 50046677577761                |

| Product                       | D1      | D2    | A1         | A2         | A3         |
|-------------------------------|---------|-------|------------|------------|------------|
| 14.5T8/CNG/48-835/MF17/G 25/1 | 25.7 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |

Photometric data



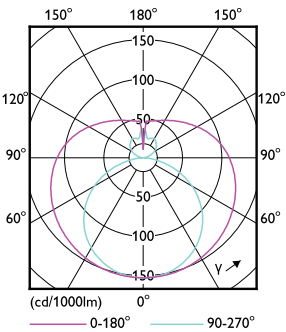
General uniform lighting - 14.5T8/CNG/48-835/MF17/G 25/1



Spectral Power Distribution Colour - 14.5T8/CNG/48-835/MF17/G 25/1

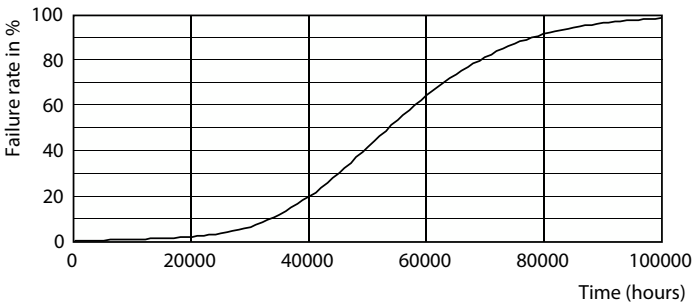
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Photometric data

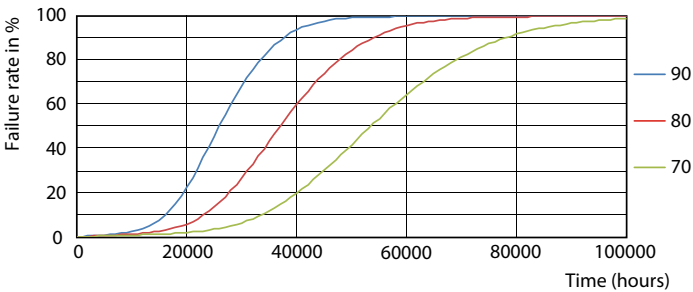


Light Distribution Diagram - 14.5T8/CNG/48-835/MF17/G 25/1

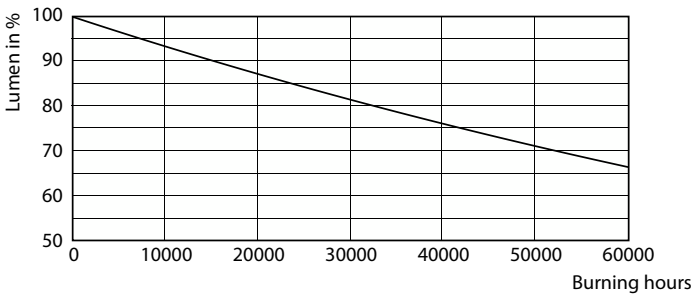
Lifetime



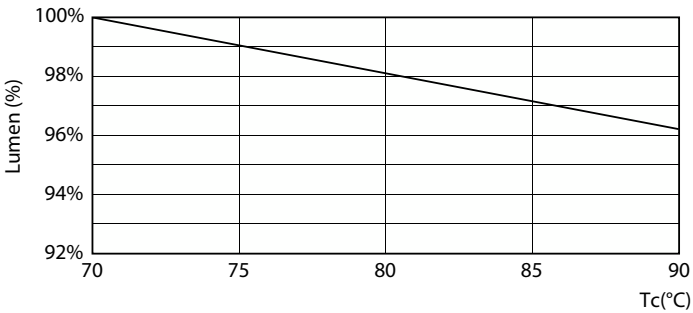
Life Expectancy Diagram - 14.5T8/CNG/48-835/MF17/G 25/1



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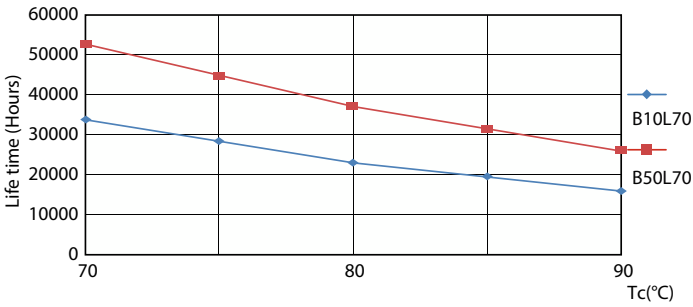
Lumen Maintenance Diagram - 14.5T8/CNG/48-835/MF17/G 25/1



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Lifetime



Life Expectancy Diagram - 14.5T8/CNG/48-835/MF17/G 25/1

