



MasterClass MainsFit (UL Type-B) T8

8.4T8/MAS/48-835/MF15/G/DIM UE 25/1

MasterClass, LEDtube, T8, 1200 mm, 8.4 W, 3500 K, 1600 lm, 50000 hour(s)

The MasterClass MainsFit (UL Type B) T8 lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life (70k hours), surge suppression and industry leading safety features. All lamps in the MasterClass MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the MasterClass MainsFit lamp type.

Product data

| General Information | | Color Consistency | |
|------------------------------------|--------------------|---------------------------------------|-------------|
| Cap-Base | G13 | Color rendering index (CRI) | 80 |
| Nominal lifetime | 50,000 hour(s) | LLMF At End Of Nominal Lifetime (Nom) | 0.7 % |
| Switching Cycle | 50,000 | | |
| Lighting Technology | LEDtube | Operating and Electrical | |
| | | Input Frequency | 50 to 60 Hz |
| Light Technical | | Power Consumption | 8.4 W |
| Color Code | 835 [CCT of 3500K] | Lamp Current (Max) | 95 mA |
| Beam Angle (Nom) | 220 degree(s) | Lamp Current (Min) | 36 mA |
| Luminous Flux | 1,600 lm | Wattage Equivalent | 32 W |
| Color Designation | White (WH) | Starting Time (Nom) | 0.5 s |
| Correlated Color Temperature (Nom) | 3500 K | Warm-up time to 60% light | 0.5 s |
| Luminous Efficacy (rated) (Nom) | 185 lm/W | Power Factor (Fraction) | 0.9 |

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| | |
|---------------|-----------|
| Voltage (Nom) | 120-277 V |
| UL Type | UL Type B |

Temperature

| | |
|----------------------|-------|
| T-Case Maximum (Nom) | 50 °C |
|----------------------|-------|

Controls and Dimming

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Mechanical and Housing

| | |
|--------------------|----------|
| Bulb Finish | Frosted |
| Bulb Material | Glass |
| Product Length | 1,200 mm |
| Bulb Shape | T8 |
| Net Weight (Piece) | 0.200 kg |

Approval and Application

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

| | |
|---|---------------|
| Ambient temperature range | -20 to +45 °C |
| Post-consumer recycled plastic material ratio | 0 % |

Application Conditions

| | |
|-------------------------------------|----------------|
| can it be used in closed luminaires | Yes |
| Wireless Technology | Not applicable |

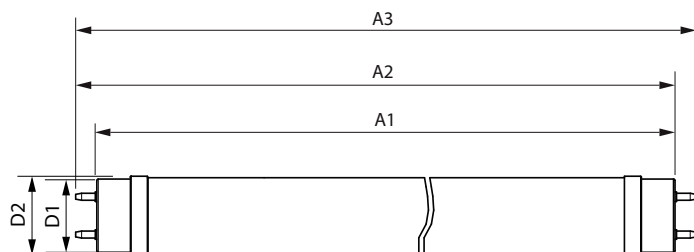
Sustainability Data

| | |
|-----------------------------------|-----|
| Product non-virgin material ratio | 0 % |
|-----------------------------------|-----|

Product Data

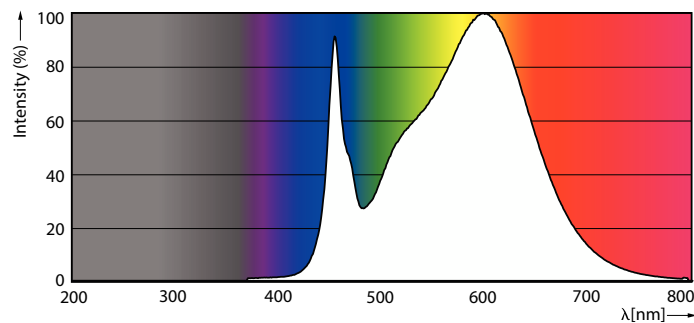
| | |
|---------------------------------|-------------------------------------|
| Order product name | 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1 |
| Full product name | 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1 |
| Order code | 929004319204 |
| Material Nr. (12NC) | 929004319204 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 046677610241 |
| Numerator - Packs per outer box | 25 |
| EAN/UPC - Case | 50046677610246 |

Dimensional drawing

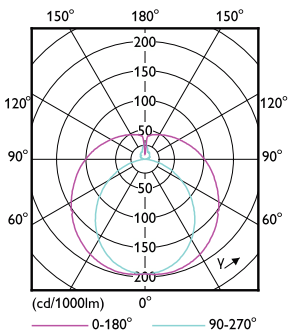


| Product | D1 | D2 | A1 | A2 | A3 |
|---|---------|---------|------------|------------|------------|
| 8.4T8/MAS/48-835/ MF15/G/DIM UE 25/1 | 25.7 mm | 27.9 mm | 1,199.4 mm | 1,206.5 mm | 1,213.6 mm |

Photometric data



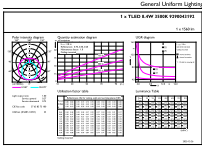
Spectral Power Distribution Colour - 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1



Light Distribution Diagram - 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1

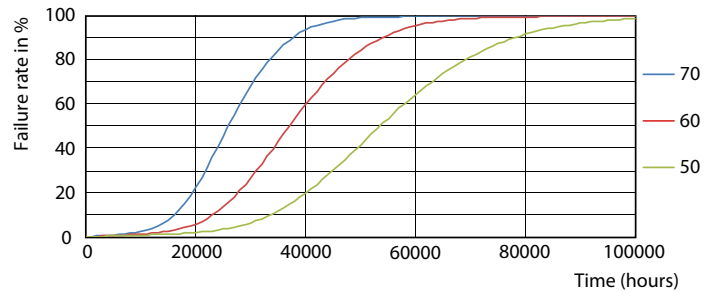
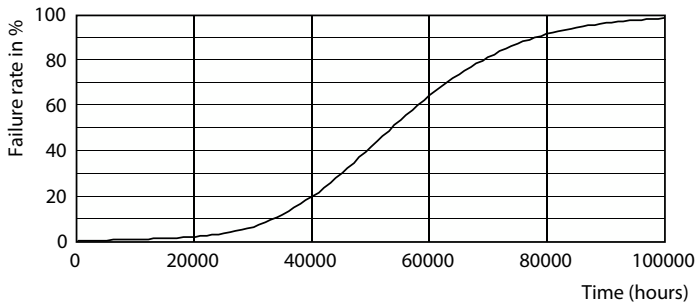
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Photometric data

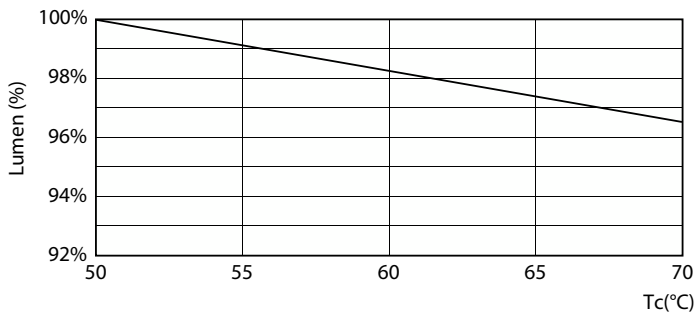


General uniform lighting - 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1

Lifetime

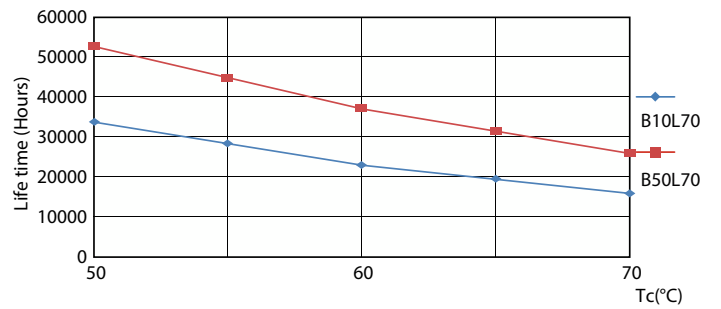


Life Expectancy Diagram



Lumen Maintenance Diagram - 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1

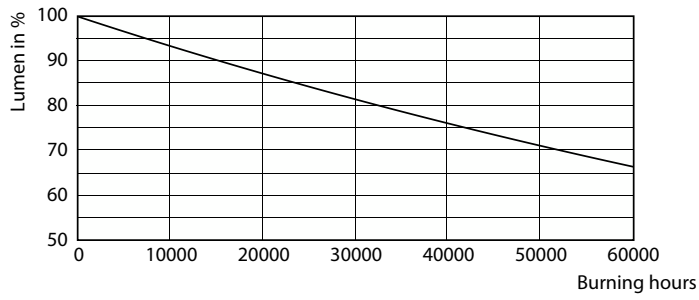
FailureRate



LifetimeVsTc

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Lifetime



Lumen Maintenance Diagram - 8.4T8/MAS/48-835/MF15/G/DIM UE 25/1

