



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm UO 15.5W 840 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

### Warnings and Safety

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### Product data

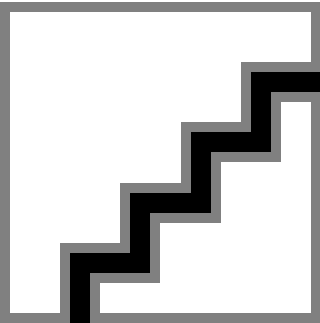
| General Information                |                                                |
|------------------------------------|------------------------------------------------|
| Cap-Base                           | G13 ROT (Rotating) [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                   | 60,000 hour(s)                                 |
| Switching Cycle                    | 200,000                                        |
| Lighting Technology                | LED                                            |
| EU RoHS compliant                  | Yes                                            |
| Light Technical                    |                                                |
| Color Code                         | 840 [CCT of 4000K]                             |
| Beam Angle (Nom)                   | 160 degree(s)                                  |
| Luminous Flux                      | 2,500 lm                                       |
| Color Designation                  | Cool White (CW)                                |
| Correlated Color Temperature (Nom) | 4000 K                                         |
| Luminous Efficacy (rated) (Nom)    | 161.00 lm/W                                    |
| Color Consistency                  | <6                                             |
| Color rendering index (CRI)        | 83                                             |

| 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                          | 15.5 W          |
| Lamp Current (Max)                         | 73 mA           |
| Lamp Current (Min)                         | 67 mA           |
| Starting Time (Nom)                        | 0.5 s           |
| Warm-up time to 60% light                  | 0.5 s           |
| Power Factor (Fraction)                    | 0.9             |
| Voltage (Nom)                              | 220-240 V       |
| Temperature                                |                 |
| Ambient temperature range                  | -20 °C to 45 °C |
| T-Case Maximum (Nom)                       | 55 °C           |



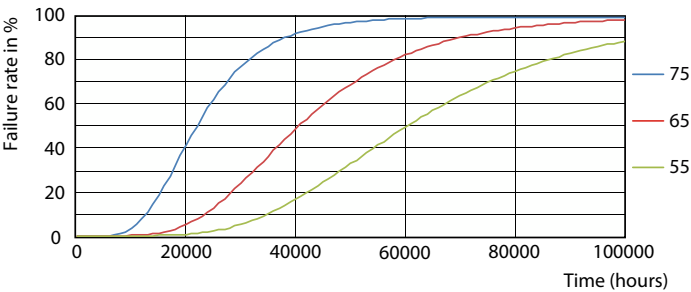
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Photometric data

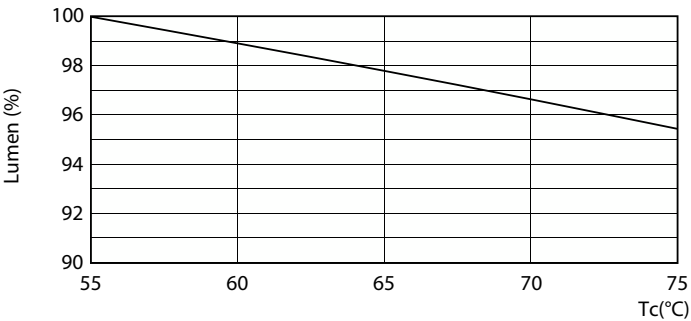


Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 15.5W 840 T8

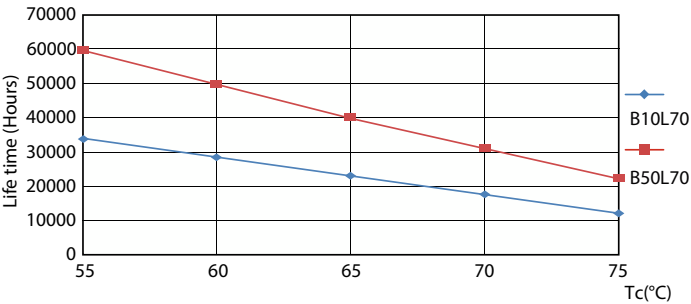
Lifetime



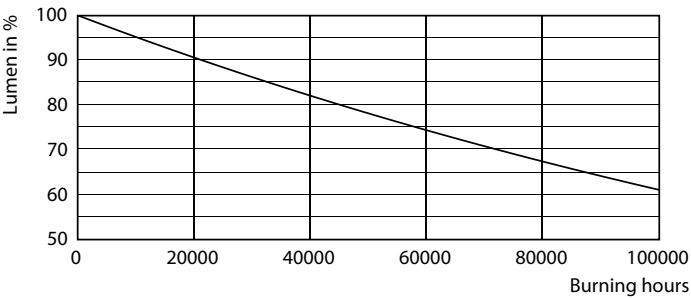
Life Expectancy Diagram - MAS LEDtube 1200mm UO 15.5W 840 T8



Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 15.5W 840 T8



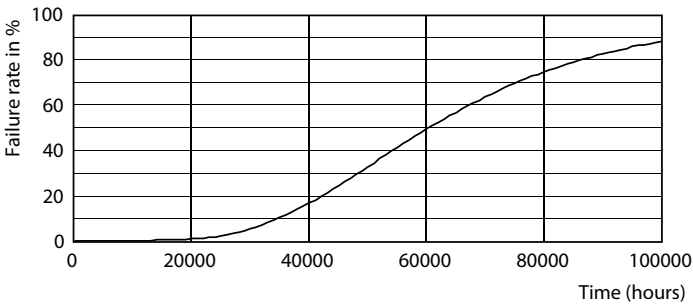
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