



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm HO 12.5W 865 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. This product is the ideal solution for up lighting in general lighting applications.

### Warnings and Safety

- -
- -

### Product data

| General Information        |   |
|----------------------------|---|
| Lighting Technology        | LED   |
| Flux measurement reference | Sphere  |
| Switching Cycle            | 200,000   |
| Nominal lifetime           | 75,000 hour(s)                                    |
| Cap-Base                   | G13 ROT (Rotating) [Medium Bi-Pin<br>Fluorescent] |

| Light Technical                    |                    |
|------------------------------------|--------------------|
| Color Code                         | 865 [CCT of 6500K] |
| Beam Angle (Nom)                   | 160 degree(s)      |
| Luminous Flux                      | 2,100 lumen        |
| Color Designation                  | Cool Daylight      |
| Correlated Color Temperature (Nom) | 6500 K             |
| Luminous Efficacy (rated) (Nom)    | 168 lm/W           |
| Color Consistency                  | <6                 |
| Color rendering index (CRI)        | 80                 |

|                                       |      |
|---------------------------------------|------|
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Flickering value (PstLM)              | 1    |
| Stroboscopic effect value (SVM)       | 0.4  |

| Operating and Electrical  |             |
|---------------------------|-------------|
| Line Frequency            | 50 to 60 Hz |
| Input Frequency           | 50 to 60 Hz |
| Power Consumption         | 12.5 W      |
| 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)      | 50 °C           |

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## Controls and Dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Mechanical and Housing

|                |                    |
|----------------|--------------------|
| Bulb Finish    | Frosted            |
| Bulb Material  | Plastic            |
| Product Length | 1,200 mm           |
| Bulb Shape     | Tube, double-ended |

## Approval and Application

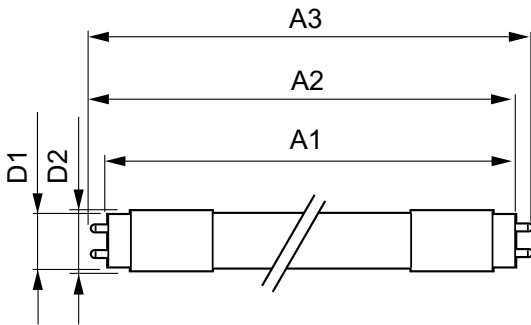
|                               |  |
|-------------------------------|--|
| Energy Efficiency Class       | C  |
| Energy Saving Product         | Yes  |
| Approval Marks                | RoHS compliance TUV CE marking KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 13 kWh   |

|                           |         |
|---------------------------|---------|
| EPREL Registration Number | 1206968 |
| CE mark                   | Yes     |
| EU RoHS compliant         | Yes     |

## Product Data

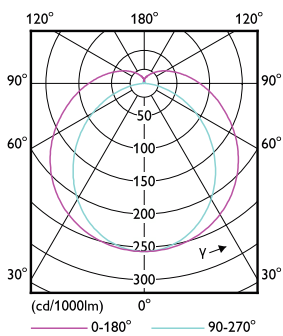
|                                 |                                    |
|---------------------------------|------------------------------------|
| Full product code               | 871869959239400                    |
| Order product name              | MAS LEDtube 1200mm HO 12.5W 865 T8 |
| Order code                      | 929001922802                       |
| Numerator - Quantity Per Pack   | 1                                  |
| Numerator - Packs per outer box | 10                                 |
| Material number (12NC)          | 929001922802                       |
| Full product name               | MAS LEDtube 1200mm HO 12.5W 865 T8 |
| EAN/UPC - Case                  | 8718699592400                      |

## Dimensional drawing

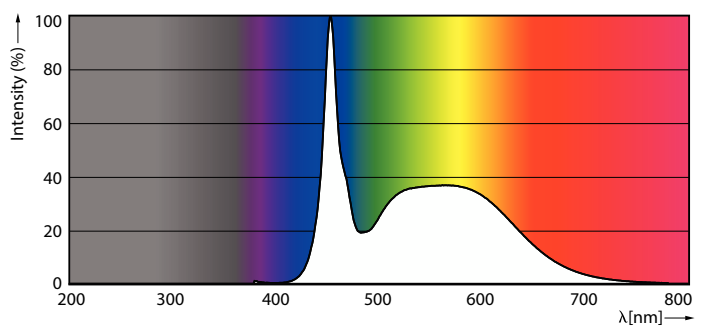


| Product                            | D1      | D2    | A1         | A2         | A3         |
|------------------------------------|---------|-------|------------|------------|------------|
| MAS LEDtube 1200mm HO 12.5W 865 T8 | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |

## Photometric data



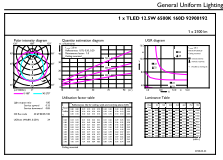
Light Distribution Diagram - MAS LEDtube 1200mm HO 12.5W 865 T8



Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 12.5W 865 T8

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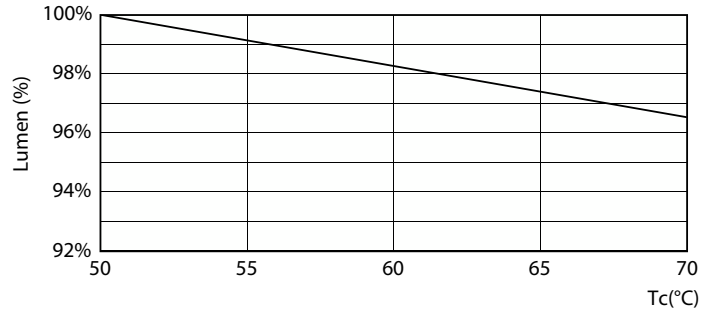
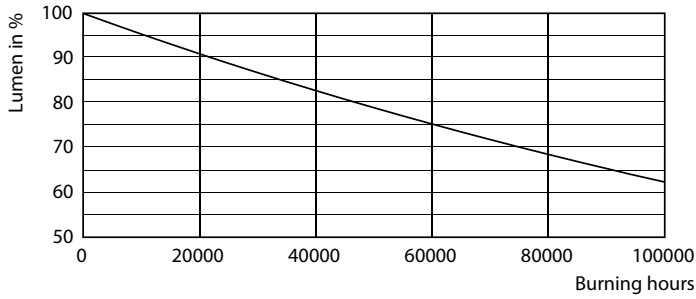
## Photometric data



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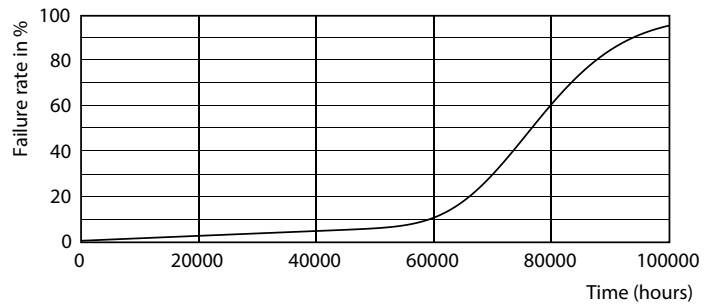
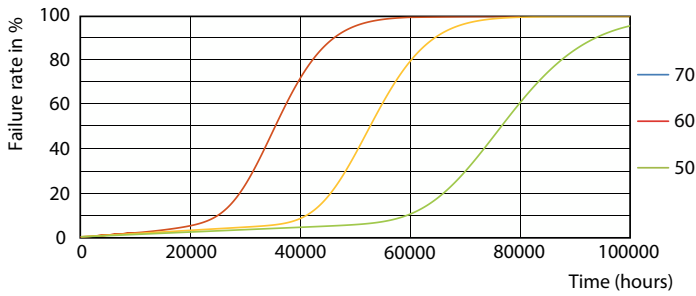
General uniform lighting - MAS LEDtube 1200mm HO 12.5W 865 T8

## Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 12.5W 865 T8

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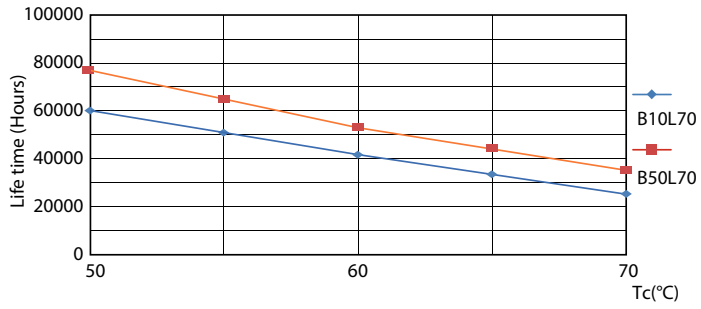


Life Expectancy Diagram - MAS LEDtube 1200mm HO 12.5W 865 T8

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