



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1500mm UE 21.5W 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

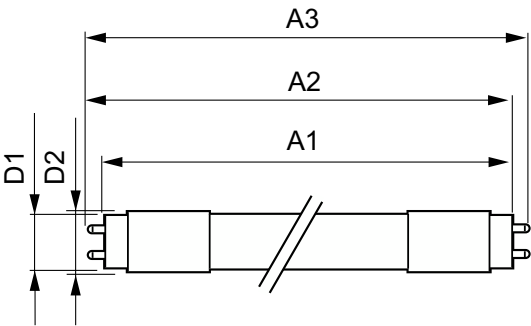
| General Information                |                                                | LLMF At End Of Nominal Lifetime (Nom) 70 % |                 |
|------------------------------------|------------------------------------------------|--------------------------------------------|-----------------|
| Cap-Base                           | G13 ROT (Rotating) [Medium Bi-Pin Fluorescent] | Operating and Electrical                   |                 |
| Nominal lifetime                   | 70,000 hour(s)                                 | Line Frequency                             | 50 to 60 Hz     |
| Switching Cycle                    | 200,000                                        | Input Frequency                            | 50 to 60 Hz     |
| Lighting Technology                | LED                                            | Power Consumption                          | 21.5 W          |
| EU RoHS compliant                  | Yes                                            | Lamp Current (Max)                         | 111 mA          |
| Light Technical                    |                                                | Lamp Current (Min)                         | 83 mA           |
| Color Code                         | 865 [CCT of 6500K]                             | Starting Time (Nom)                        | 0.5 s           |
| Beam Angle (Nom)                   | 160 degree(s)                                  | Warm-up time to 60% light                  | 0.5 s           |
| Luminous Flux                      | 3,700 lm                                       | Power Factor (Fraction)                    | 0.9             |
| Color Designation                  | Cool Daylight                                  | Voltage (Nom)                              | 220-240 V       |
| Correlated Color Temperature (Nom) | 6500 K                                         | Temperature                                |                 |
| Luminous Efficacy (rated) (Nom)    | 172.00 lm/W                                    | Ambient temperature range                  | -20 °C to 35 °C |
| Color Consistency                  | <6                                             | T-Case Maximum (Nom)                       | 60 °C           |
| Color rendering index (CRI)        | 83                                             |                                            |                 |

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|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Controls and Dimming          |                                                      |
| Dimmable                      | No                                                   |
| Mechanical and Housing        |                                                      |
| Bulb Material                 | Plastic                                              |
| Product Length                | 1,500 mm                                             |
| Bulb Shape                    | T8                                                   |
| Approval and Application      |                                                      |
| Energy Saving Product         | Yes                                                  |
| Approval Marks                | TUV CE marking RoHS compliance KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 22 kWh                                               |

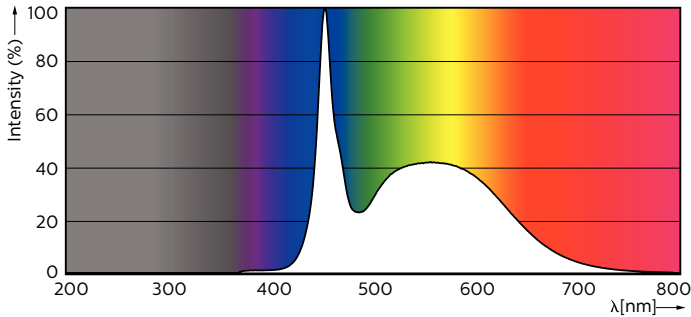
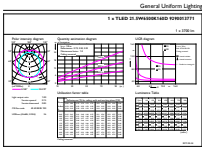
|                                 |                                    |
|---------------------------------|------------------------------------|
| Product Data                    |                                    |
| Order product name              | MAS LEDtube 1500mm UE 21.5W 865 T8 |
| Full product name               | MAS LEDtube 1500mm UE 21.5W 865 T8 |
| Full product code               | 871869673156700                    |
| Order code                      | 929001377102                       |
| Material Nr. (12NC)             | 929001377102                       |
| Numerator - Quantity Per Pack   | 1                                  |
| EAN/UPC - Product/Case          | 8718696731567                      |
| Numerator - Packs per outer box | 10                                 |
| EAN/UPC - Case                  | 8718696731574                      |

## Dimensional drawing



| Product                            | D1      | D2    | A1         | A2         | A3       |
|------------------------------------|---------|-------|------------|------------|----------|
| MAS LEDtube 1500mm UE 21.5W 865 T8 | 25.8 mm | 28 mm | 1,498.8 mm | 1,505.9 mm | 1,513 mm |

## Photometric data

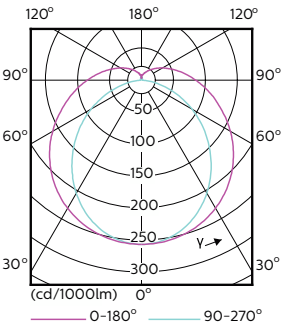


General uniform lighting - MAS LEDtube 1500mm UE 21.5W 865 T8

Spectral Power Distribution Colour - MAS LEDtube 1500mm UE 21.5W 865 T8

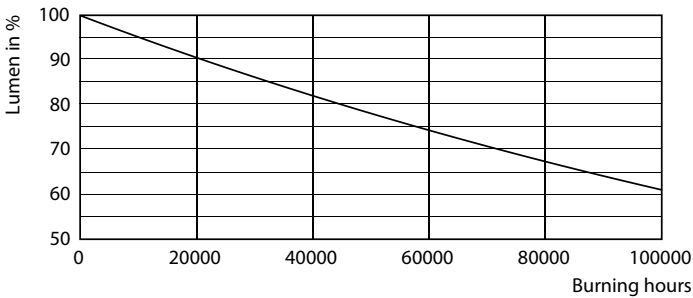
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Photometric data

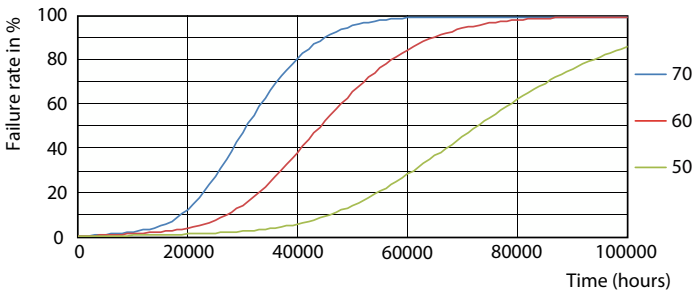


Light Distribution Diagram - MAS LEDtube 1500mm UE 21.5W 865 T8

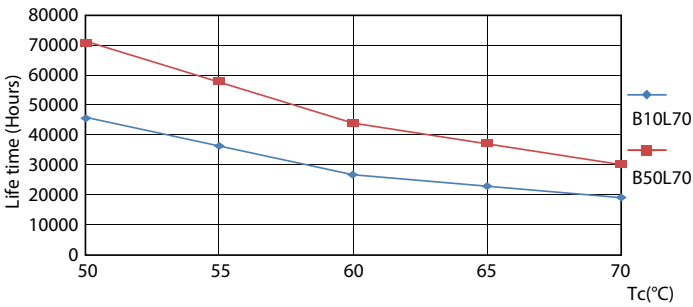
Lifetime



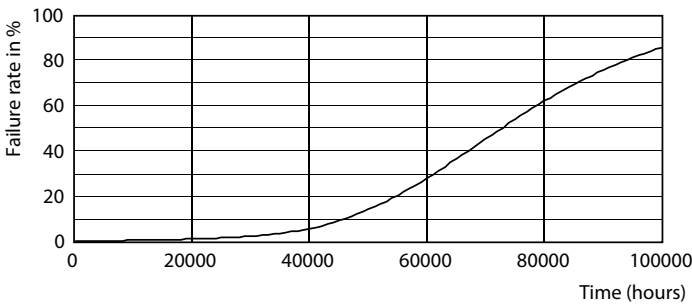
Lumen Maintenance Diagram - MAS LEDtube 1500mm UE 21.5W 865 T8



Life Expectancy Diagram - MAS LEDtube 1500mm UE 21.5W 865 T8



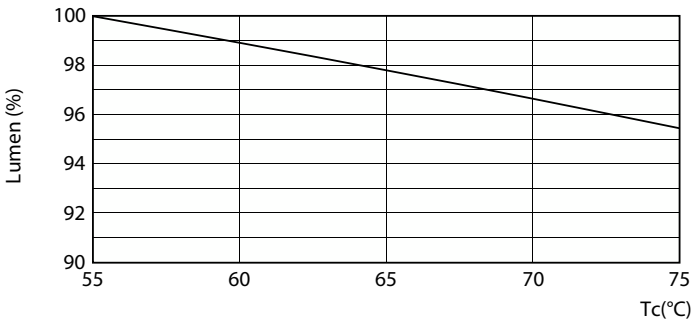
Life Expectancy Diagram - MAS LEDtube 1500mm UE 21.5W 865 T8



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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm UE 21.5W 865 T8

