



# MASTER LEDtube EM/ Mains

## MASTER LEDtube 1500mm 20W833 T8 FOOD

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

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### Product data

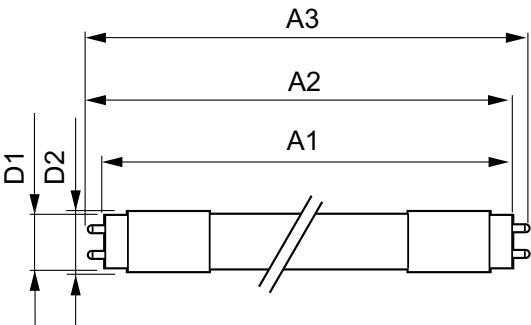
| General Information                    |                                                | Operating and Electrical  |               |
|----------------------------------------|------------------------------------------------|---------------------------|---------------|
| Cap base                               | G13 ROT (Rotating) [Medium Bi-Pin Fluorescent] | Line Frequency            | 50 to 60 Hz   |
| Nominal lifetime                       | 50,000 h                                       | Input frequency           | 50 to 60 Hz   |
| Switching Cycle                        | 50,000                                         | Power Consumption         | 20 W          |
| Lighting Technology                    | LED                                            | Lamp current (max.)       | 94 mA         |
| EU RoHS compliant                      | Yes                                            | Lamp current (min.)       | 85 mA         |
| Light Technical                        |                                                | Starting time (nom.)      | 0.5 s         |
| Colour Code                            | 833 [CCT of 3300K]                             | Warm-up time to 60% light | 0.5 s         |
| Beam angle (nom.)                      | 160 degree(s)                                  | Power Factor (Fraction)   | 0.9           |
| Luminous Flux                          | 1,680 lm                                       | Voltage (nom.)            | 220-240 V     |
| Colour designation                     | White (WH)                                     | Temperature               |               |
| Correlated Colour Temperature          | 3300 K                                         | Ambient temperature range | -20°C to 45°C |
| Luminous efficacy (rated) (nom.)       | 84.00 lm/W                                     | T-Case maximum (nom.)     | 50 °C         |
| Colour consistency                     | <6                                             | Controls and Dimming      |               |
| Colour rendering index (CRI)           | 83                                             | Dimmable                  | No            |
| LLMF at end of nominal lifetime (nom.) | 70 %                                           |                           |               |

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|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Mechanical and Housing             |                                                  |
| Bulb material                      | Plastic                                          |
| Product length                     | 1,500 mm                                         |
| Bulb shape                         | Tube, double-ended                               |
| Approval and Application           |                                                  |
| Energy-saving product              | Yes                                              |
| Approval marks                     | CE marking RoHS compliance KEMA Keur certificate |
| Energy consumption kWh/1,000 hours | 20 kWh                                           |
| Product Data                       |                                                  |
| Order product name                 | MAS LEDtube 1500mm 20W833 T8 FOOD                |

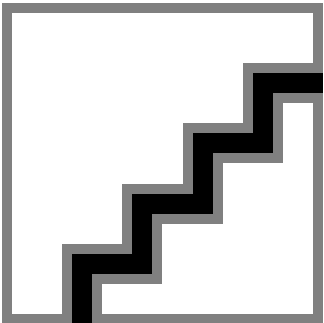
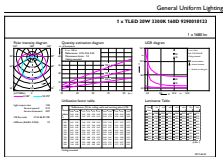
|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Full product name                 | MASTER LEDtube 1500mm 20W833 T8 FOOD |
| Full EOC                          | 871869676395700                      |
| Order code                        | 76395700                             |
| Material no. (12 NC)              | 929001812302                         |
| SAP numerator – quantity per pack | 1                                    |
| EAN/UPC – Product/Case            | 8718696763957                        |
| Numerator – packs per outer box   | 10                                   |
| EAN/UPC – Case                    | 8718696763964                        |

## Dimensional drawing



| Product                           | D1      | D2    | A1       | A2         | A3         |
|-----------------------------------|---------|-------|----------|------------|------------|
| MAS LEDtube 1500mm 20W833 T8 FOOD | 25.7 mm | 28 mm | 1,500 mm | 1,507.1 mm | 1,514.2 mm |

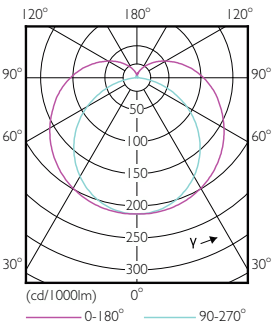
## Photometric data



General uniform lighting - MAS LEDtube 1500mm 20W833 T8 FOOD

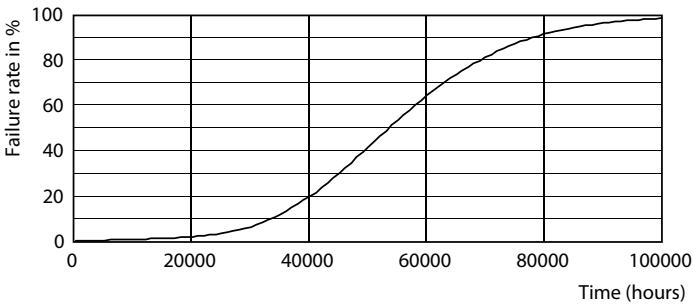
Spectral Power Distribution Colour - MAS LEDtube 1500mm 20W833 T8 FOOD

Photometric data

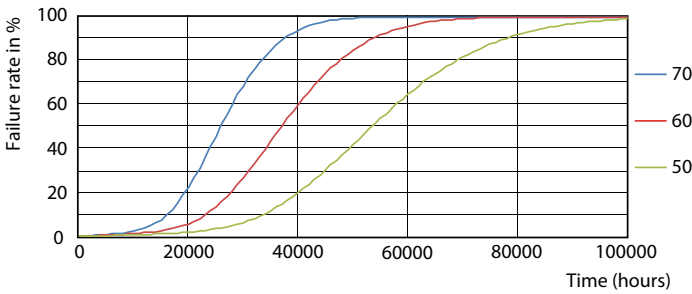


Light Distribution Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

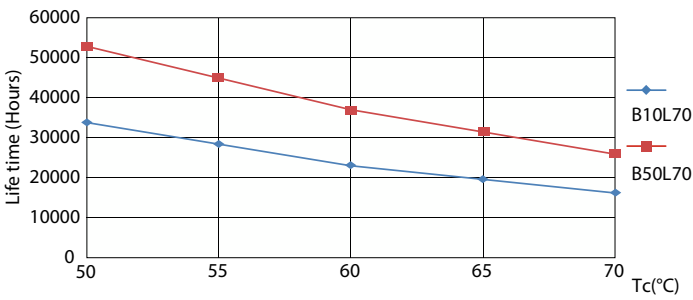
Lifetime



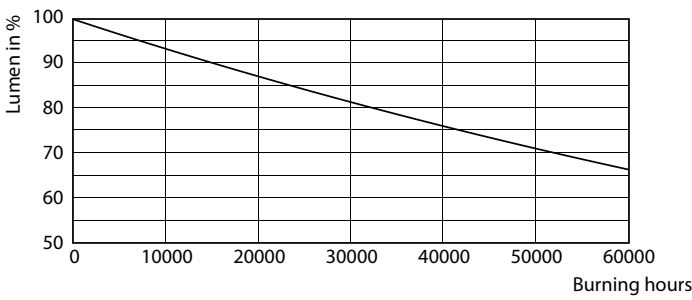
Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



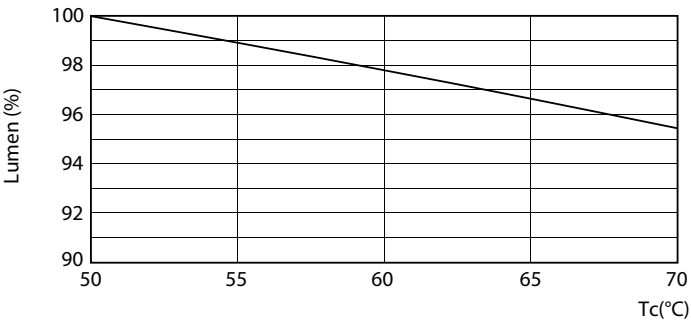
Life Expectancy Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD



Lumen Maintenance Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

MASTER LEDtube EM/Mains

Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm 20W833 T8 FOOD

