



# MASTER LEDtube EM/ Mains T8

## MASTER LEDtube 1500mm UO 24W 840 T8 G

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

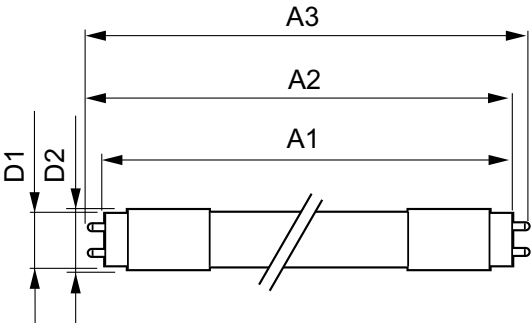
| General Information                |                                 | LLMF At End Of Nominal Lifetime (Nom) 70 % |                 |
|------------------------------------|---------------------------------|--------------------------------------------|-----------------|
| Cap-Base                           | G13 [Medium Bi-Pin Fluorescent] |                                            |                 |
| Nominal lifetime                   | 50,000 hour(s)                  |                                            |                 |
| Switching Cycle                    | 200,000                         |                                            |                 |
| Lighting Technology                | LED                             |                                            |                 |
| EU RoHS compliant                  | Yes                             |                                            |                 |
| Light Technical                    |                                 | Operating and Electrical                   |                 |
| Color Code                         | 840 [CCT of 4000K]              | Line Frequency                             | 50 to 60 Hz     |
| Beam Angle (Nom)                   | 160 degree(s)                   | Input Frequency                            | 50 to 60 Hz     |
| Luminous Flux                      | 3,700 lm                        | Power Consumption                          | 24 W            |
| Color Designation                  | Cool White (CW)                 | Lamp Current (Max)                         | 112 mA          |
| Correlated Color Temperature (Nom) | 4000 K                          | Lamp Current (Min)                         | 103 mA          |
| Luminous Efficacy (rated) (Nom)    | 154.00 lm/W                     | Starting Time (Nom)                        | 0.5 s           |
| Color Consistency                  | <6                              | Warm-up time to 60% light                  | 0.5 s           |
| Color rendering index (CRI)        | 83                              | Power Factor (Fraction)                    | 0.9             |
|                                    |                                 | Voltage (Nom)                              | 220-240 V       |
|                                    |                                 | Temperature                                |                 |
|                                    |                                 | Ambient temperature range                  | -20 °C to 45 °C |
|                                    |                                 | T-Case Maximum (Nom)                       | 60 °C           |

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|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Controls and Dimming          |                                                      |
| Dimmable                      | No                                                   |
| Mechanical and Housing        |                                                      |
| Product Length                | 1,500 mm                                             |
| Bulb Shape                    | Tube, double-ended                                   |
| Approval and Application      |                                                      |
| Energy Saving Product         | Yes                                                  |
| Approval Marks                | TUV CE marking RoHS compliance KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 24 kWh                                               |

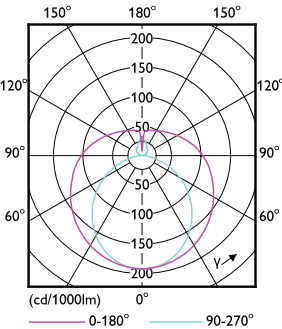
|                                 |                                       |
|---------------------------------|---------------------------------------|
| Product Data                    |                                       |
| Order product name              | MAS LEDtube 1500mm UO 24W 840 T8 G    |
| Full product name               | MASTER LEDtube 1500mm UO 24W 840 T8 G |
| Full product code               | 871869959512800                       |
| Order code                      | 59512800                              |
| Material Nr. (12NC)             | 929001923802                          |
| Numerator - Quantity Per Pack   | 1                                     |
| EAN/UPC - Product/Case          | 8718699595128                         |
| Numerator - Packs per outer box | 10                                    |
| EAN/UPC - Case                  | 8718699595135                         |

## Dimensional drawing

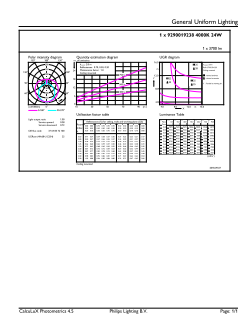


| Product                            | D1      | D2    | A1         | A2         | A3         |
|------------------------------------|---------|-------|------------|------------|------------|
| MAS LEDtube 1500mm UO 24W 840 T8 G | 25.8 mm | 28 mm | 1,498.7 mm | 1,505.8 mm | 1,512.9 mm |

## Photometric data



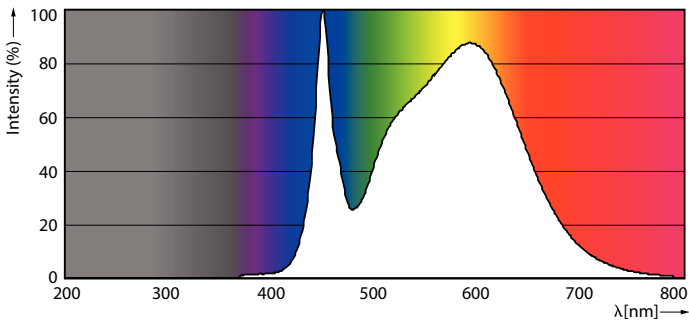
Light Distribution Diagram - MAS LEDtube 1500mm UO 24W 840 T8 G



General uniform lighting - MAS LEDtube 1500mm UO 24W 840 T8 G

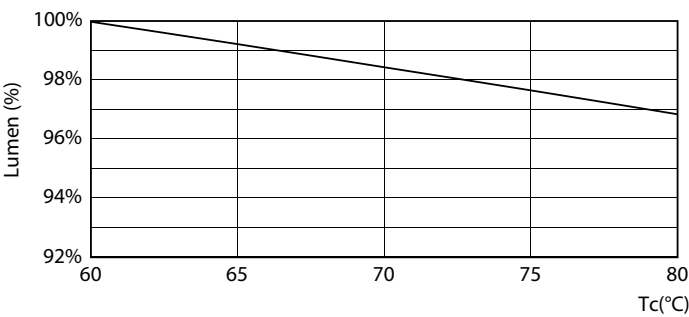
MASTER LEDtube EM/Mains T8

Photometric data

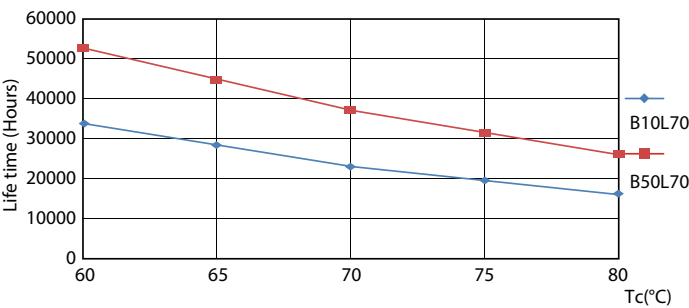


Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 24W 840 T8 G

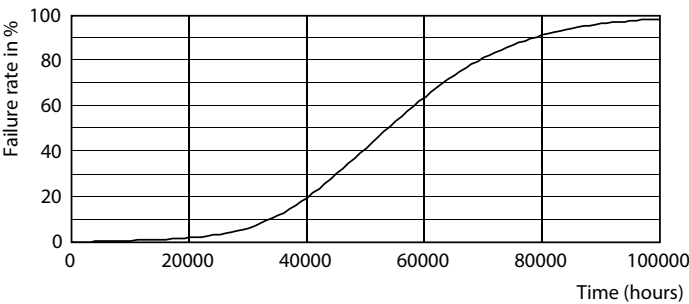
Lifetime



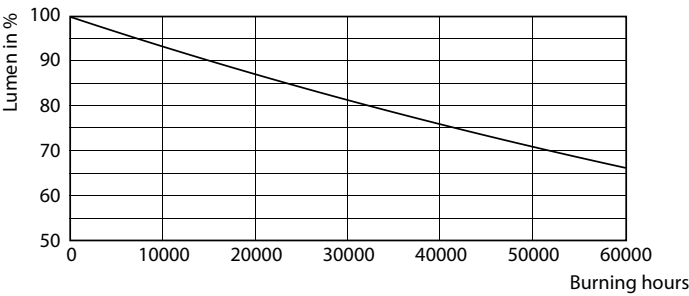
Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 840 T8 G



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 840 T8 G



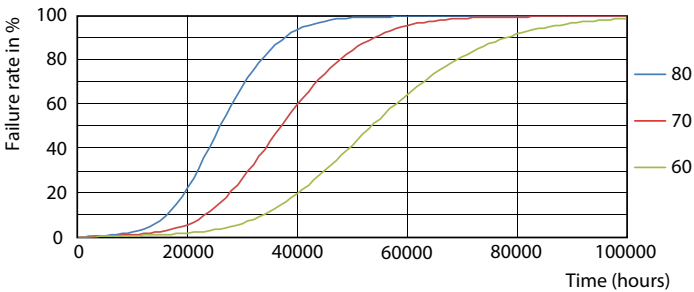
Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 840 T8 G



Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 840 T8 G

MASTER LEDtube EM/Mains T8

Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 840 T8 G

