PHILIPS

Lighting




# MASTER LEDtube EM/Mains T8

## MAS LEDtube 1500mm HO 23W840 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.

### Product data

| General Information | |
|---|---|
| **Cap-Base** | G13 [ Medium Bi-Pin Fluorescent] |
| **Main Application** | Industrial |
| **Nominal Lifetime (Nom)** | 50000 h |
| **Switching Cycle** | 200000X |
| **B50L70** | 50000 h |

| Light Technical | |
|---|---|
| **Color Code** | 840 [ CCT of 4000K] |
| **Beam Angle (Nom)** | 160 ° |
| **Luminous Flux (Nom)** | 3100 lm |
| **Luminous Flux (Rated) (Nom)** | 3100 lm |
| **Color Designation** | Cool White (CW) |
| **Rated Beam Angle** | 160 ° |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Color Consistency** | <6 |
| **Color Rendering Index (Nom)** | 80 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Input Frequency** | 50 to 60 Hz |
| **Power (Rated) (Nom)** | 23 W |
| **Lamp Current (Max)** | 105 mA |
| **Lamp Current (Min)** | 95 mA |
| **Lamp Current (Nom)** | 99 mA |
| **Wattage Equivalent** | 58 W |
| **Starting Time (Nom)** | 0.5 s |
| **Warm Up Time to 60% Light (Nom)** | 0.5 s |
| **Power Factor (Nom)** | 0.9 |
| **Voltage (Nom)** | 220-240 V |

| Temperature | |
|---|---|
| **T-Ambient (Max)** | 35 °C |
| **T-Ambient (Min)** | -20 °C |
| **T-Storage (Max)** | 65 °C |
| **T-Storage (Min)** | -40 °C |
| **T-Case Maximum (Nom)** | 55 °C |

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| Controls and Dimming | |
|---|---|
| **Dimmable** | No |

| Mechanical and Housing | |
|---|---|
| **Product Length** | 1500 mm |

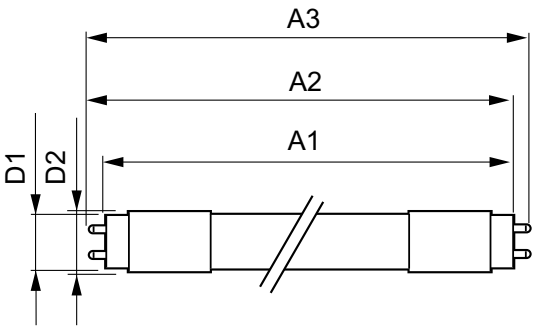
| Approval and Application | |
|---|---|
| **Energy Saving Product** | Yes |
| **Suitable For Accent Lighting** | No |
| **Energy Efficiency Label (EEL)** | A++ |
| **Approval Marks** | CE marking RoHS compliance KEMA Keur certificate |
| **Energy Consumption kWh/1000 h** | 23 kWh |

| Product Data | |
|---|---|
| **Full product code** | 871829178958100 |
| **Order product name** | MAS LEDtube 1500mm HO 23W840 T8 |
| **EAN/UPC - Product** | 8718291789581 |
| **Order code** | 929001116102 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 10 |
| **Material Nr. (12NC)** | 929001116102 |
| **Net Weight (Piece)** | 0.310 kg |

## Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

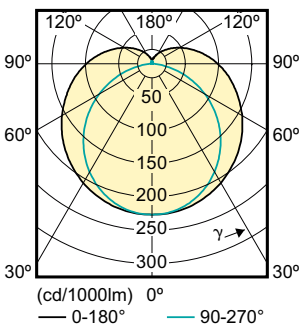
## Dimensional drawing



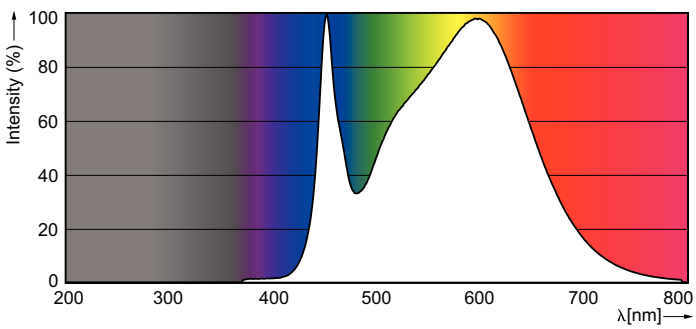

LEDtube 1500mm 23W/840 T8

| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| MAS LEDtube 1500mm HO 23W840 T8 | 25.68 mm | 28 mm | 1500.0 mm | 1507.1 mm | 1514.2 mm |

## Photometric data




VLE 1500 mm 23 W /840 ROT




VLE 1500 mm 23 W /840 , VLE HF 1500 mm 25W /840 T8C Rot




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www.lighting.philips.com
2018, March 19 - data subject to change