PHILIPS

Lighting




# MASTER LEDtube EM/ Mains

## MASTER LEDtube 1200mm UO 18W 865 T8 RN

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 lamping in general lighting applications.

### Warnings and Safety

- -

### Product data

| General Information | |
|---|---|
| **Cap base** | G13 [Medium Bi-Pin Fluorescent] |
| **Nominal lifetime** | 50,000 h |
| **Switching Cycle** | 200,000 |
| **Lighting Technology** | LED |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Colour Code** | 865 [CCT of 6500K] |
| **Beam angle (nom.)** | 160 degree(s) |
| **Luminous Flux** | 2,500 lm |
| **Correlated Colour Temperature** | 6500 K |
| **Luminous efficacy (rated) (nom.)** | 139 lm/W |
| **Colour consistency** | <6 |
| **Colour rendering index (CRI)** | 83 |
| **LLMF at end of nominal lifetime (nom.)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Line Frequency** | 50 to 60 Hz |
| **Input frequency** | 50 to 60 Hz |
| **Power Consumption** | 18 W |
| **Lamp current (max.)** | 82 mA |
| **Lamp current (min.)** | 75 mA |
| **Starting time (nom.)** | 0.5 s |
| **Warm-up time to 60% light** | 0.1 s |
| **Power Factor (Fraction)** | 0.9 |
| **Voltage (nom.)** | 220-240 V |

| Temperature | |
|---|---|
| **Ambient temperature range** | -20°C to 35°C |
| **T-Case maximum (nom.)** | 55 °C |

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

# MASTER LEDtube EM/Mains

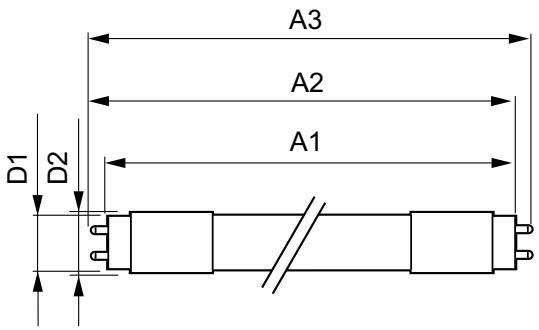
| Mechanical and Housing | |
|---|---|
| **Product length** | 1,200 mm |

| Approval and Application | |
|---|---|
| **Energy-saving product** | Yes |
| **Suitable for accent lighting** | No |
| **Approval marks** | CE marking KEMA Keur certificate RoHS compliance |
| **Energy consumption kWh/1,000 hours** | 18 kWh |

| Product Data | |
|---|---|
| **Order product name** | MAS LEDtube 1200mm UO 18W 865 T8 RN |

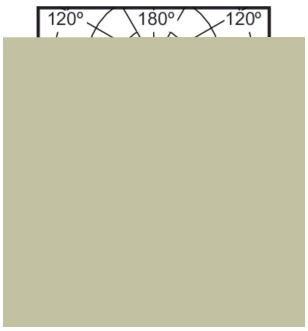
| | |
|---|---|
| **Full product name** | MASTER LEDtube 1200mm UO 18W 865 T8 RN |
| **Full EOC** | 871869656531500 |
| **Order code** | 56531500 |
| **Material no. (12 NC)** | 929001222102 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8718696565315 |
| **Numerator – packs per outer box** | 10 |
| **EAN/UPC - Case** | 8718696565322 |

## Dimensional drawing

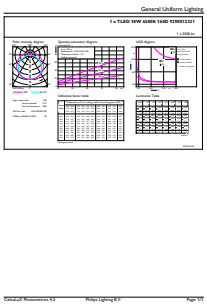



| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| MAS LEDtube 1200mm UO 18W 865 T8 RN | 25.78 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |

## Photometric data




Light Distribution Diagram - MAS LEDtube 1200mm UO 18W 865 T8 RN



General uniform lighting - MAS LEDtube 1200mm UO 18W 865 T8 RN

# MASTER LEDtube EM/Mains

## Photometric data




**Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 18W 865 T8 RN**

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.