# Lighting

**PHILIPS** 

# MASTER LEDtube EM/ Mains T8

### MASTER LEDtube 1200mm SO 14.5W 840 T8 ROT

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

• -

#### **Product data**

| General Information                        |                                 |  |  |  |  |
|--|---------------------------------|--|--|--|--|
| Cap-Base                                   | G13 [Medium Bi-Pin Fluorescent] |  |  |  |  |
| Nominal lifetime                           | 50,000 hour(s)                  |  |  |  |  |
| Switching Cycle                            | 50,000                          |  |  |  |  |
| Lighting Technology                        | LED                             |  |  |  |  |
| EU RoHS compliant                          | Yes                             |  |  |  |  |
|  |                                 |  |  |  |  |
| Light Technical                            |                                 |  |  |  |  |
| Color Code                                 | 840 [CCT of 4000K]              |  |  |  |  |
| Beam Angle (Nom)                           | 160 degree(s)                   |  |  |  |  |
| Luminous Flux                              | 1,600 lm                        |  |  |  |  |
| Correlated Color Temperature (Nom)         | 4000 K                          |  |  |  |  |
| Color Consistency                          | <6                              |  |  |  |  |
| Color rendering index (CRI)                | 83                              |  |  |  |  |
| LLMF At End Of Nominal Lifetime (Nom) 70 % |                                 |  |  |  |  |
|  |                                 |  |  |  |  |

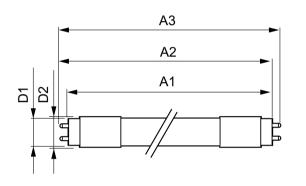
| <b>Operating and Electrical</b> |                      |  |  |  |
|---------------------------------|----------------------|--|--|--|
| Line Frequency                  | 50 to 60 Hz          |  |  |  |
| Input Frequency                 | 50 to 60 Hz          |  |  |  |
| Power Consumption               | 14.5 W               |  |  |  |
| Starting Time (Nom)             | 0.5 s                |  |  |  |
| Warm-up time to 60% light       | Instant full light s |  |  |  |
| Power Factor (Fraction)         | 0.9                  |  |  |  |
| Voltage (Nom)                   | 220-240 V            |  |  |  |
|                                 |                      |  |  |  |
| Temperature                     |                      |  |  |  |
| Ambient temperature range       | -20 ℃ to 35 ℃        |  |  |  |
| T-Case Maximum (Nom)            | 55 °C                |  |  |  |
|                                 |                      |  |  |  |
| Controls and Dimming            |                      |  |  |  |
| Dimmable                        | No                   |  |  |  |
|                                 |                      |  |  |  |

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| Mechanical and Housing        |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|
| Product Length                | 47-1/4 inch                            |  |  |  |  |
|                               |  |  |  |  |  |
| Approval and Application      |  |  |  |  |  |
| Energy Saving Product         | Yes                                    |  |  |  |  |
| Suitable For Accent Lighting  | No                                     |  |  |  |  |
| Approval Marks                | CE marking RoHS compliance KEMA Keur   |  |  |  |  |
|                               | certificate                            |  |  |  |  |
| Energy Consumption kWh/1000 h | 15 kWh                                 |  |  |  |  |
|                               |  |  |  |  |  |
| Product Data                  |  |  |  |  |  |
| Order product name            | MAS LEDtube 1200mm SO 14.5W 840 T8 ROT |  |  |  |  |

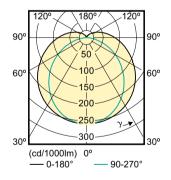
| Full product name               | MASTER LEDtube 1200mm SO 14.5W 840 T8 |  |  |  |
|---------------------------------|---------------------------------------|--|--|--|
|                                 | ROT                                   |  |  |  |
| Full product code               | 871829179308300                       |  |  |  |
| Order code                      | 79308300                              |  |  |  |
| Material Nr. (12NC)             | 929001119202                          |  |  |  |
| Numerator - Quantity Per Pack   | 1                                     |  |  |  |
| EAN/UPC - Product/Case          | 8718291793083                         |  |  |  |
| Numerator - Packs per outer box | 10                                    |  |  |  |
| EAN/UPC - Case                  | 8718291793090                         |  |  |  |
|                                 |                                       |  |  |  |

## Dimensional drawing

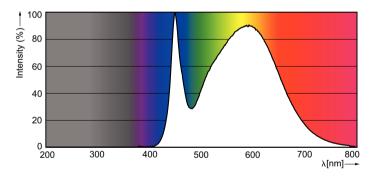


| Product               | D1       | D2    | A1         | A2         | A3         |
|-----------------------|----------|-------|------------|------------|------------|
| MAS LEDtube 1200mm SO | 25.68 mm | 28 mm | 1,198.0 mm | 1,205.0 mm | 1,212.0 mm |
| 14.5W 840 T8 ROT      |          |       |            |            |            |

#### Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm SO 14.5W 840 T8 ROT



Spectral Power Distribution Colour - MAS LEDtube 1200mm SO 14.5W 840 T8 ROT

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