



# MASTER LEDtube EM/ Mains

## MASTER LEDtube 1200mm HO 14W840 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. This product is the ideal solution for up lighting in general lighting applications.

### Warnings and Safety

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### Product data

| General information     |                                  |
|-------------------------|----------------------------------|
| Cap base                | G13 [ Medium Bi-Pin Fluorescent] |
| EU RoHS compliant       | Yes                              |
| Nominal lifetime (nom.) | 50000 h                          |
| Switching cycle         | 200000                           |

| Light technical                        |                       |
|--|-----------------------|
| Colour Code                            | 840 [ CCT of 4,000 K] |
| Technical Beam Angle (Nom)             | 160 °                 |
| Lamp Luminous Flux 25°C EL (Nom)       | 2100 lm               |
| Colour Designation                     | Cool White (CW)       |
| Colour Temperature, horizontal (Nom)   | 4000 K                |
| Lamp Luminous Efficacy EM (Nom)        | 150.00 lm/W           |
| Colour consistency                     | <6                    |
| Colour Rendering Index,horiz (Nom)     | 83                    |
| LLMF at end of nominal lifetime (nom.) | 70 %                  |

| Operating and electrical         |             |
|----------------------------------|-------------|
| Input frequency                  | 50 to 60 Hz |
| Power (Rated) (Nom)              | 14 W        |
| Lamp current (max.)              | 72 mA       |
| Lamp current (min.)              | 59 mA       |
| 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.)      | 45 °C  |
| T-ambient (min.)      | -20 °C |
| T storage (max.)      | 65 °C  |
| T storage (min.)      | -40 °C |
| T-Case maximum (nom.) | 35 °C  |

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## Controls and dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Mechanical and housing

|               |                    |
|---------------|--------------------|
| Lamp Finish   | Frosted            |
| Bulb material | Plastic            |
|               | 1200 mm            |
| Bulb shape    | Tube, double-ended |

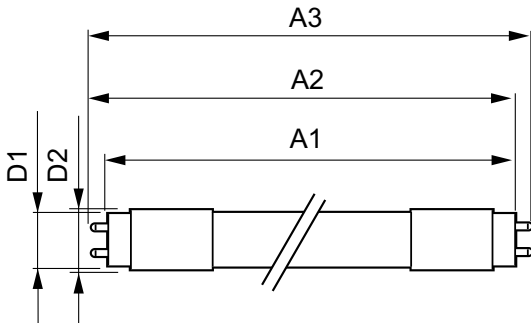
## Approval and application

|                                    |                 |
|------------------------------------|-----------------|
| Energy-saving product              | Yes             |
| Approval marks                     | RoHS compliance |
| Energy consumption kWh/1,000 hours | 14 kWh          |

## Product data

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Full product code                 | 871869668726000                    |
| Order product name                | MASTER LEDtube 1200mm HO 14W840 T8 |
| EAN/UPC – product                 | 8718696687260                      |
| Order code                        | 929001299308                       |
| SAP numerator – quantity per pack | 1                                  |
| Numerator – packs per outer box   | 10                                 |
| SAP material                      | 929001299308                       |
| Net Weight (Piece)                | 0.215 kg                           |

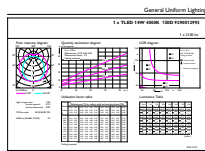
## Dimensional drawing



MASTER LEDtube 1200mm HO 14W840 T8

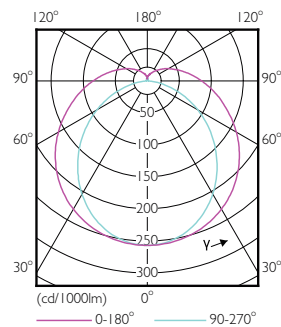
| Product                            | D1      | D2    | A1        | A2        | A3        |
|------------------------------------|---------|-------|-----------|-----------|-----------|
| MASTER LEDtube 1200mm HO 14W840 T8 | 25.8 mm | 28 mm | 1198.2 mm | 1205.3 mm | 1212.4 mm |

## Photometric data



General Uniform Lighting  
1 x 1200mm HO 14W 840 T8  
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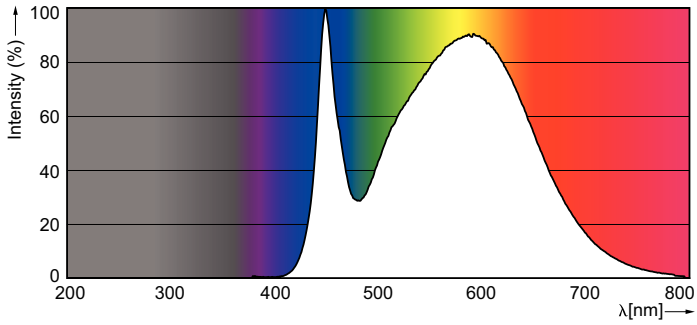
MAS LEDtube HO 14W G13 840 T8



MAS LEDtube HO 14W G13 830-865 T8

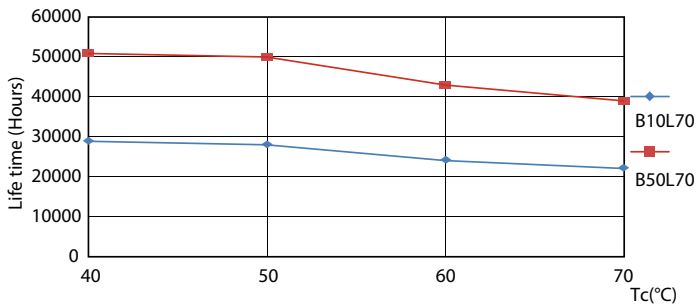
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## Photometric data

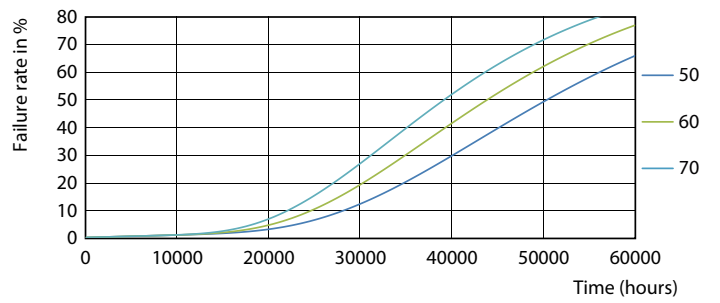


SDPO\_MLED\_APR\_0015-Spectral Power distribution

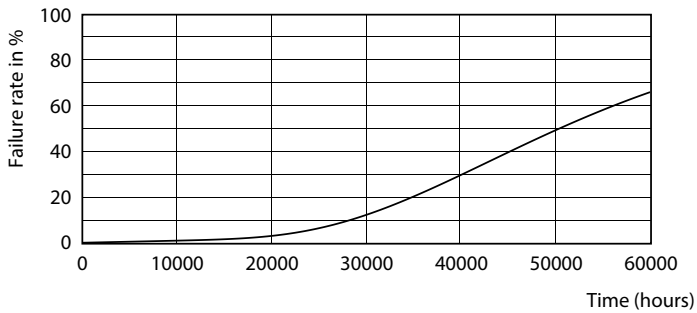
## Lifetime



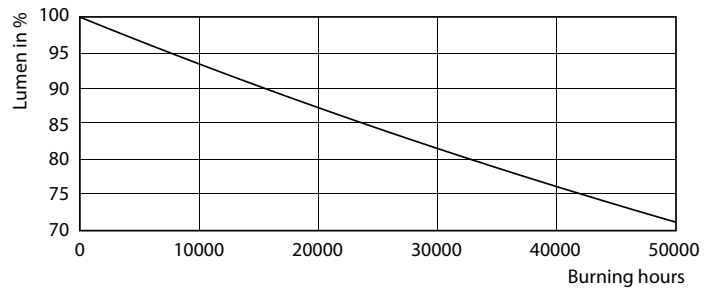
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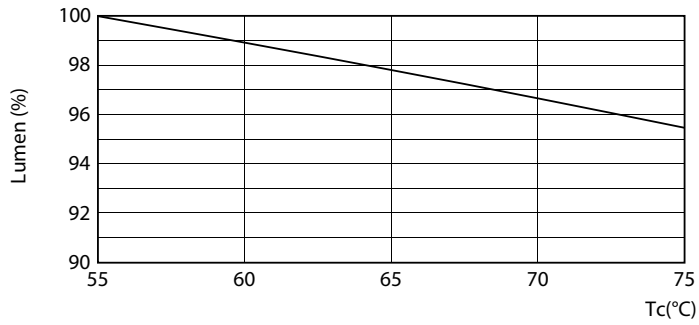
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## Lifetime



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