



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm UO 16W 830 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                   |                                 | Operating and Electrical  |                 |
|---------------------------------------|---------------------------------|---------------------------|-----------------|
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] | Line Frequency            | 50 to 60 Hz     |
| Nominal lifetime                      | 50,000 hour(s)                  | Input Frequency           | 50 to 60 Hz     |
| Switching Cycle                       | 200,000                         | Power Consumption         | 16 W            |
| Lighting Technology                   | LED                             | Lamp Current (Max)        | 75 mA           |
| EU RoHS compliant                     | Yes                             | Lamp Current (Min)        | 68 mA           |
| Starting Time (Nom)                   |                                 | 0.5 s                     |                 |
| Warm-up time to 60% light             |                                 | 0.5 s                     |                 |
| Power Factor (Fraction)               |                                 | 0.9                       |                 |
| Voltage (Nom)                         |                                 | 220-240 V                 |                 |
| Light Technical                       |                                 | Temperature               |                 |
| Color Code                            | 830 [CCT of 3000K]              | Ambient temperature range | -20 °C to 35 °C |
| Beam Angle (Nom)                      | 160 degree(s)                   | T-Case Maximum (Nom)      | 55 °C           |
| Luminous Flux                         | 2,300 lm                        | Controls and Dimming      |                 |
| Color Designation                     | White (WH)                      | Dimmable                  | No              |
| Correlated Color Temperature (Nom)    | 3000 K                          |                           |                 |
| Luminous Efficacy (rated) (Nom)       | 143.00 lm/W                     |                           |                 |
| Color Consistency                     | <6                              |                           |                 |
| Color rendering index (CRI)           | 83                              |                           |                 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                            |                           |                 |

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## Mechanical and Housing

|                |          |
|----------------|----------|
| Product Length | 1,200 mm |
| Bulb Shape     | T8       |

## Approval and Application

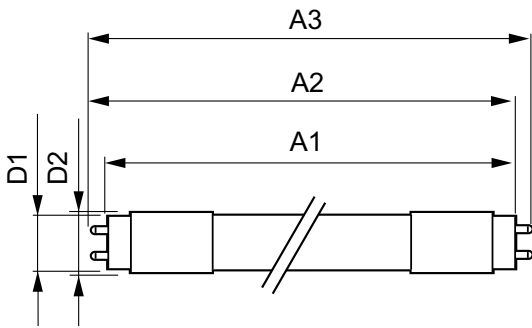
|                               |  |
|-------------------------------|--|
| Energy Saving Product         | Yes  |
| Approval Marks                | TUV CE marking RoHS compliance KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 16 kWh   |

## Product Data

|                    |                                  |
|--------------------|----------------------------------|
| Order product name | MAS LEDtube 1200mm UO 16W 830 T8 |
|--------------------|----------------------------------|

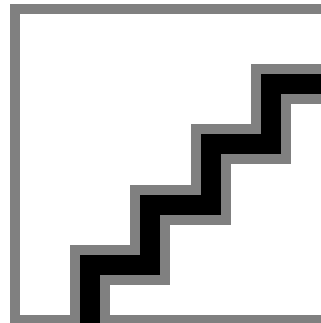
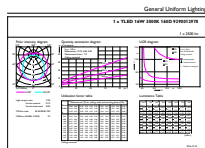
|                                 |                                  |
|---------------------------------|----------------------------------|
| Full product name               | MAS LEDtube 1200mm UO 16W 830 T8 |
| Full product code               | 871869668736900                  |
| Order code                      | 929001297802                     |
| Material Nr. (12NC)             | 929001297802                     |
| Numerator - Quantity Per Pack   | 1                                |
| EAN/UPC - Product/Case          | 8718696687369                    |
| Numerator - Packs per outer box | 10                               |
| EAN/UPC - Case                  | 8718696687376                    |

## Dimensional drawing



| Product                          | D1       | D2    | A1         | A2         | A3         |
|----------------------------------|----------|-------|------------|------------|------------|
| MAS LEDtube 1200mm UO 16W 830 T8 | 25.78 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |

## Photometric data

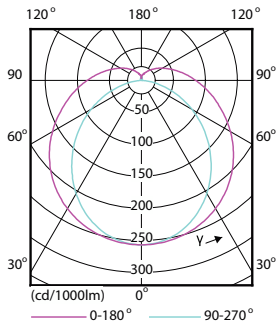


General uniform lighting - MAS LEDtube 1200mm UO 16W 830 T8

Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 830 T8

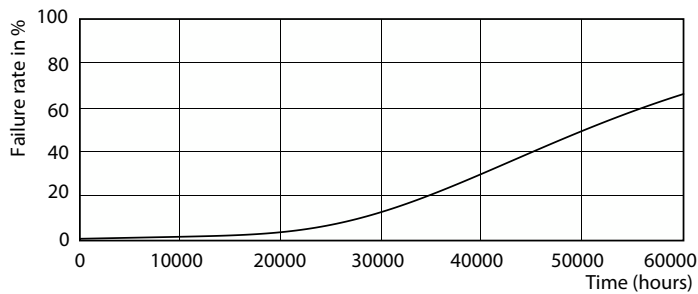
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## Photometric data

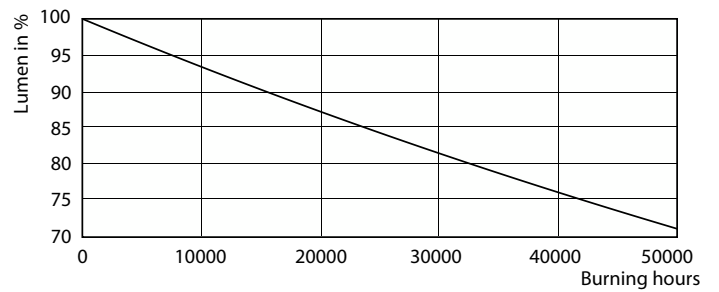


Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 830 T8

## Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 830 T8



Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 830 T8

