



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1500mm UO 24W 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                |                                 |
|------------------------------------|---------------------------------|
| Cap-Base                           | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                   | 50,000 hour(s)                  |
| Switching Cycle                    | 200,000                         |
| Lighting Technology                | LED                             |
| EU RoHS compliant                  | Yes                             |
| Light Technical                    |                                 |
| Color Code                         | 830 [CCT of 3000K]              |
| Beam Angle (Nom)                   | 160 degree(s)                   |
| Luminous Flux                      | 3,400 lm                        |
| Color Designation                  | White (WH)                      |
| Correlated Color Temperature (Nom) | 3000 K                          |
| Luminous Efficacy (rated) (Nom)    | 141.00 lm/W                     |
| Color Consistency                  | <6                              |
| Color rendering index (CRI)        | 83                              |

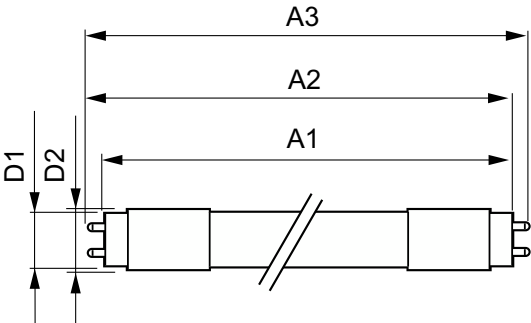
| LLMF At End Of Nominal Lifetime (Nom) 70 % |                 |
|--------------------------------------------|-----------------|
| Operating and Electrical                   |                 |
| Line Frequency                             | 50 to 60 Hz     |
| Input Frequency                            | 50 to 60 Hz     |
| Power Consumption                          | 24 W            |
| Lamp Current (Max)                         | 112 mA          |
| Lamp Current (Min)                         | 103 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       |
| Temperature                                |                 |
| Ambient temperature range                  | -20 °C to 35 °C |
| T-Case Maximum (Nom)                       | 60 °C           |

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|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Controls and Dimming          |                                                      |
| Dimmable                      | No                                                   |
| Mechanical and Housing        |                                                      |
| Product Length                | 1,500 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 | 24 kWh                                               |

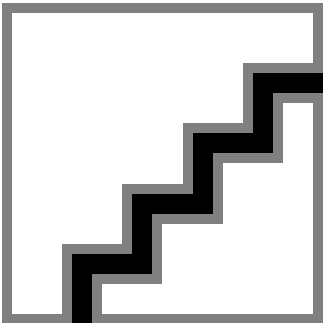
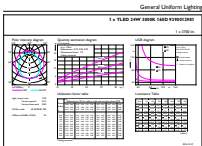
|                                 |                                  |
|---------------------------------|----------------------------------|
| Product Data                    |                                  |
| Order product name              | MAS LEDtube 1500mm UO 24W 830 T8 |
| Full product name               | MAS LEDtube 1500mm UO 24W 830 T8 |
| Full product code               | 871869668742000                  |
| Order code                      | 929001298102                     |
| Material Nr. (12NC)             | 929001298102                     |
| Numerator - Quantity Per Pack   | 1                                |
| EAN/UPC - Product/Case          | 8718696687420                    |
| Numerator - Packs per outer box | 10                               |
| EAN/UPC - Case                  | 8718696687437                    |

## Dimensional drawing



| Product                          | D1       | D2    | A1         | A2         | A3         |
|----------------------------------|----------|-------|------------|------------|------------|
| MAS LEDtube 1500mm UO 24W 830 T8 | 25.78 mm | 28 mm | 1,498.7 mm | 1,505.8 mm | 1,512.9 mm |

## Photometric data

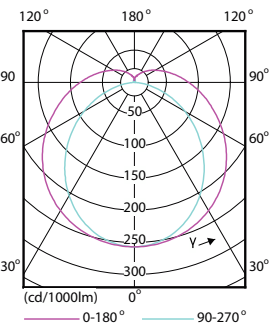


General uniform lighting - MAS LEDtube 1500mm UO 24W 830 T8

Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 24W 830 T8

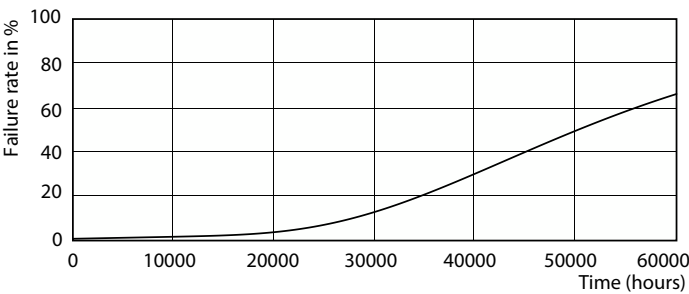
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## Photometric data

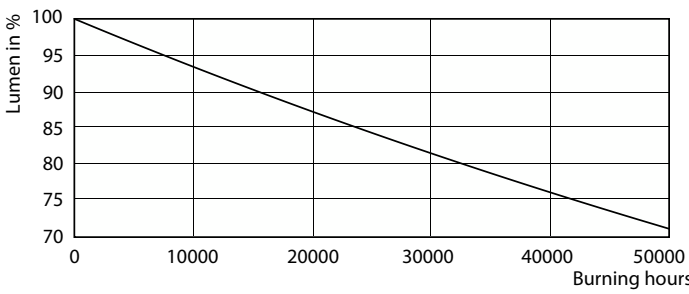


Light Distribution Diagram - MAS LEDtube 1500mm UO 24W 830 T8

## Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 830 T8



Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 830 T8

