



# MASTER Value LEDtube T8

## MASTER LEDtube VLE 1500mm UO 23W 865 T8

A high-performance LED solution, the professional MASTER Value LED tube is ideal for replacing T8 fluorescent lamps using EM ballast or installing directly on the mains. This product provides an optimal combination of value and performance – for use in all general lighting, office, industry, retail and hospitality applications. The unique design of this LED T8 tube light offers wide compatibility, safety and fast installation, as well as instant energy savings.

### Product data

| General Information     |                                  |
|-------------------------|----------------------------------|
| Cap base                | G13 [ Medium Bi-Pin Fluorescent] |
| EU RoHS compliant       | Yes                              |
| Nominal lifetime (nom.) | 60000 h                          |
| Switching cycle         | 200,000X                         |
|                         | Sphere                           |

| Light Technical                        |                       |
|--|-----------------------|
| Colour Code                            | 865 [ CCT of 6,500 K] |
| Technical Beam Angle (Nom)             | 190 °                 |
| Lamp Luminous Flux 25°C EL (Nom)       | 3700 lm               |
| Colour Designation                     | Cool Daylight         |
| Colour Temperature, horizontal (Nom)   | 6500 K                |
| Lamp Luminous Efficacy EM (Nom)        | 160.00 lm/W           |
| Colour consistency                     | <6                    |
| Colour Rendering Index,horiz (Nom)     | 80                    |
| LLMF at end of nominal lifetime (nom.) | 70 %                  |

| Operating and Electrical         |             |
|----------------------------------|-------------|
| Input frequency                  | 50 to 60 Hz |
| Power (Rated) (Nom)              | 23 W        |
| Lamp current (max.)              | 108 mA      |
| Lamp current (min.)              | 99 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.) | 65 °C  |

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## Controls and Dimming

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

## Mechanical and Housing

|                |                    |
|----------------|--------------------|
| Lamp Finish    | Frosted            |
| Bulb material  | Glass              |
| Product length | 1500 mm            |
| Bulb shape     | Tube, double-ended |

## Approval and Application

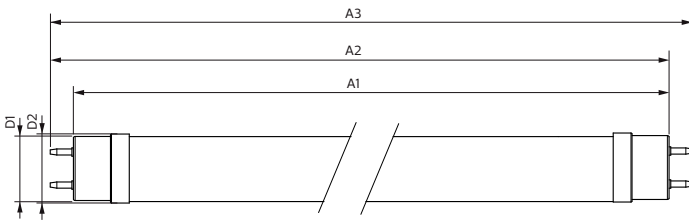
|                         |  |
|-------------------------|--|
| Energy Efficiency Class | C  |
| Energy-saving product   | Yes  |
| Approval marks          | RoHS compliance TUV CE marking KEMA Keur certificate |

|                                    |         |
|------------------------------------|---------|
| Energy consumption kWh/1,000 hours | 23 kWh  |
|                                    | 1095876 |

## Product Data

|                                   |   |
|-----------------------------------|---|
| Full product code                 | 871951431690400                         |
| Order product name                | MASTER LEDtube VLE 1500mm UO 23W 865 T8 |
| EAN/UPC – product                 | 8719514316904                           |
| Order code                        | 929002998102                            |
| SAP numerator – quantity per pack | 1                                       |
| Numerator – packs per outer box   | 10                                      |
| SAP material                      | 929002998102                            |
| SAP net weight (piece)            | 0.275 kg                                |

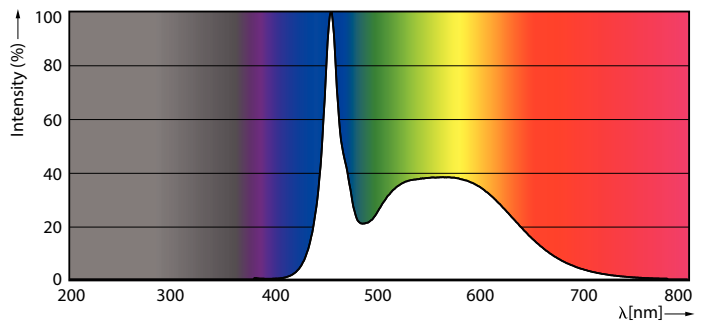
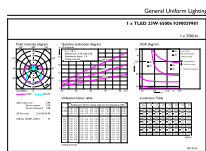
## Dimensional drawing



| Product                                    | D1      | D2    | A1        | A2        | A3      |
|--|---------|-------|-----------|-----------|---------|
| MASTER LEDtube VLE<br>1500mm UO 23W 865 T8 | 25.8 mm | 28 mm | 1498.8 mm | 1505.9 mm | 1513 mm |

## MASTER LEDtube VLE 1500mm UO 23W 865 T8

## Photometric data

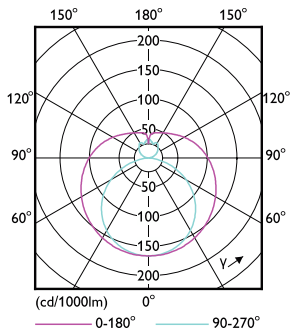


## LEDtube MAS 23W G13 3700lm 865

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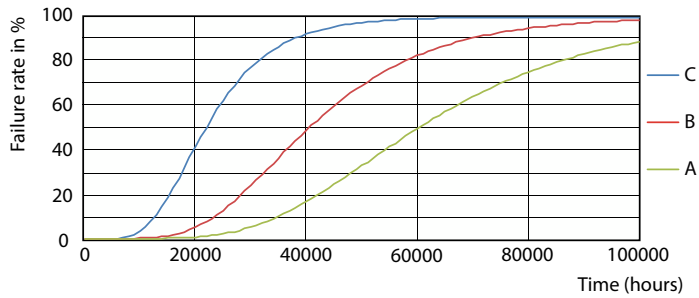
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## Photometric data

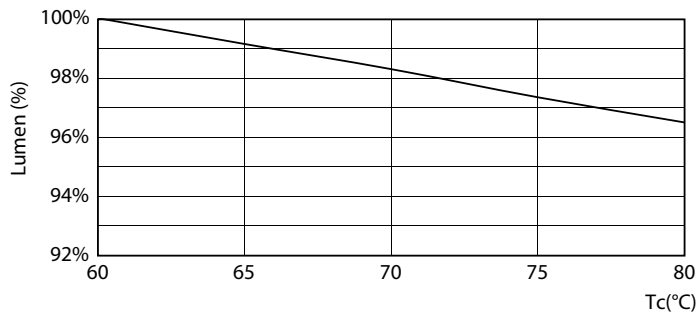


Light Distribution Diagram

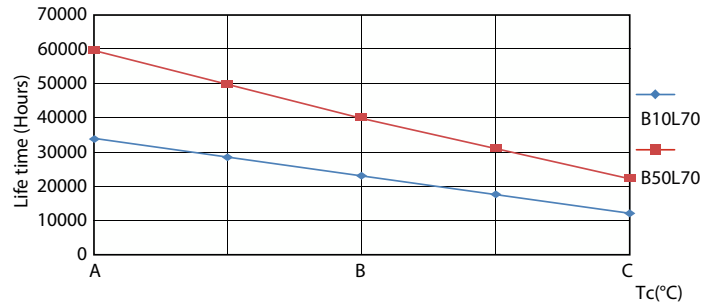
## Lifetime



FailureRate



LumenVsTc



LifetimeVsTc



Lumen Maintenance Diagram

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## Lifetime



### Life Expectancy Diagram

