



# MASTER LEDtube InstantFit HF T5

## Master LEDtube HF 1500mm HE 20W 830 T5

Philips MASTER LEDtube InstantFit T5 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 fluorescents. The Philips MASTER LEDtube InstantFit T5 is the ideal solution for customers who have higher light output requirements and want to maximise value over the lifetime. The full energy savings & longer lifetime result in attractive payback times and TCO benefits.

### Product data

| General Information     |          |
|-------------------------|----------|
| Cap base                | G5 [ G5] |
| EU RoHS compliant       | Yes      |
| Nominal lifetime (nom.) | 60000 h  |
| Switching cycle         | 50,000X  |
|                         | Sphere   |

| Light Technical                        |                       |
|--|-----------------------|
| Colour Code                            | 830 [ CCT of 3,000 K] |
| Technical Beam Angle (Nom)             | 200 °                 |
| Lamp Luminous Flux 25°C EL (Nom)       | 2800 lm               |
| Colour Designation                     | White (WH)            |
| Colour Temperature, horizontal (Nom)   | 3000 K                |
| Lamp Luminous Efficacy EM (Nom)        | 140.00 lm/W           |
| Colour consistency                     | <6                    |
| Colour Rendering Index,horiz (Nom)     | 80                    |
| LLMF at end of nominal lifetime (nom.) | 70 %                  |

| Operating and Electrical         |                |
|----------------------------------|----------------|
| Input frequency                  | 30K to 100K Hz |
| Power (Rated) (Nom)              | 20 W           |
| Lamp current (max.)              | 350 mA         |
| Lamp current (min.)              | 150 mA         |
| Starting time (nom.)             | 0.5 s          |
| Warm-up time to 60% light (nom.) | 0.5 s          |
| Power factor (nom.)              | 0.92           |
| Voltage (Nom)                    | 80-130 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  |

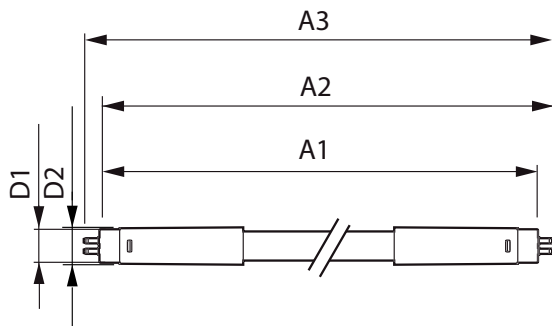
| Mechanical and Housing |         |
|------------------------|---------|
| Lamp Finish            | Frosted |

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|                                    |  |
|------------------------------------|--|
| Bulb material                      | Glass  |
| Product length                     | 1500 mm  |
| Bulb shape                         | Tube, double-ended                               |
| <b>Approval and Application</b>    |  |
| Energy Efficiency Class            | E  |
| Energy-saving product              | Yes  |
| Approval marks                     | RoHS compliance CE marking KEMA Keur certificate |
| Energy consumption kWh/1,000 hours | 20 kWh<br>406189                                 |

|                                   |  |
|-----------------------------------|--|
| <b>Product Data</b>               |  |
| Full product code                 | 871869674335500                        |
| Order product name                | Master LEDtube HF 1500mm HE 20W 830 T5 |
| EAN/UPC – product                 | 8718696743355                          |
| Order code                        | 929001391302                           |
| SAP numerator – quantity per pack | 1                                      |
| Numerator – packs per outer box   | 10                                     |
| SAP material                      | 929001391302                           |
| SAP net weight (piece)            | 0.196 kg                               |

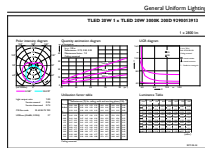
## Dimensional drawing



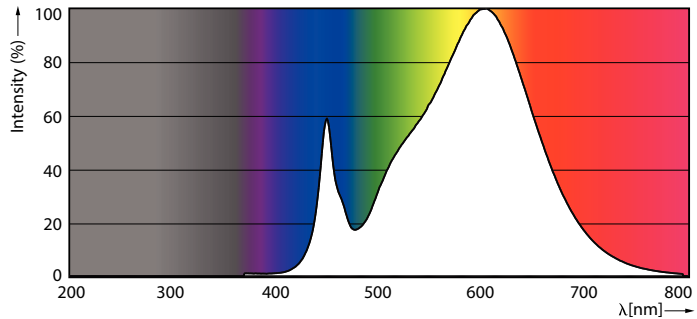
TLED 1500mm 230V17W-35W 2600lm 160D 300

| Product                                | D1      | D2      | A1      | A2        | A3        |
|--|---------|---------|---------|-----------|-----------|
| Master LEDtube HF 1500mm HE 20W 830 T5 | 15.5 mm | 18.8 mm | 1449 mm | 1456.1 mm | 1463.2 mm |

## Photometric data



LEDtube 1500mm 20W G5 830 2800lm



LEDtube 600mm 8W G5 830 1000lm

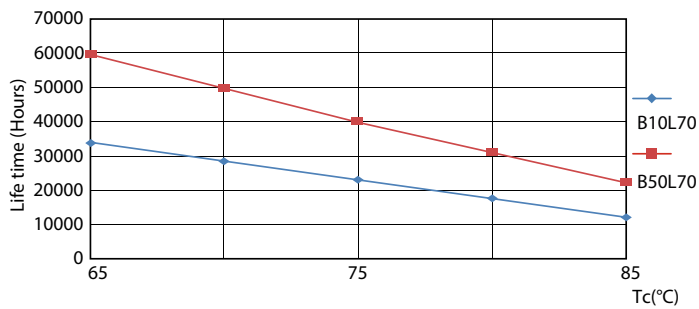
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## Photometric data

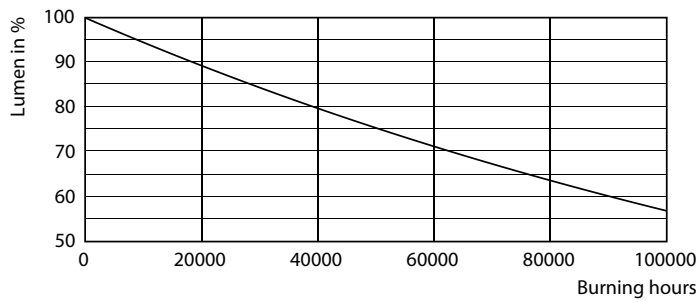


LEDtube 600mm 8W G5 830 1000lm

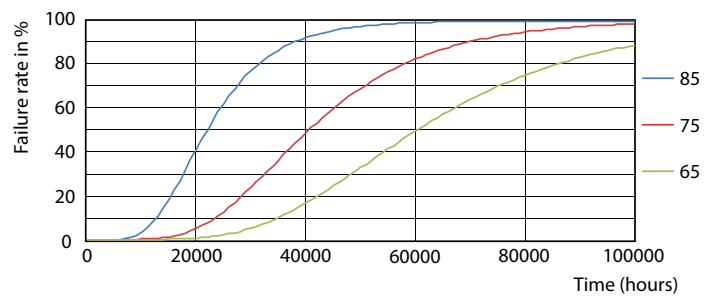
## Lifetime



LEDtube MAS SLR 8W 60K LifetimeVsTc-LED



LEDtube\_60K



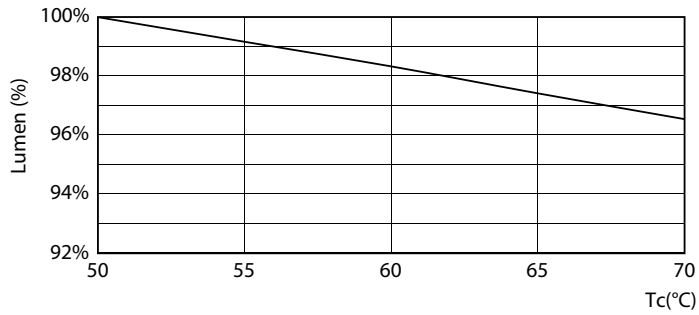
LEDtube MAS SLR 8W 60K FailureRate-LED



LEDtube\_60K

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## Lifetime



LEDtube MAS SLR 20W 60K LumenVsTc-LMP

