



# MASTER LEDtube Mains T5



## MASTER LEDtube 1500mm HE 20W 865 T5 EU

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! Perfectly safe, reliable & easy to install, the Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximise value over lifetime with high energy savings and lower maintenance costs.

### Product data

| General Information                    |                       |
|----------------------------------------|-----------------------|
| Cap base                               | G5 [ G5]              |
| EU RoHS compliant                      | Yes                   |
| Nominal lifetime (nom.)                | 50000 h               |
| Switching cycle                        | 200,000X              |
|                                        | Sphere                |
| Light Technical                        |                       |
| Colour Code                            | 865 [ CCT of 6,500 K] |
| Beam Angle (Nom)                       | 200 °                 |
| Luminous flux (nom.)                   | 3000 lm               |
| Colour designation                     | Cool Daylight         |
| Correlated Colour Temperature (Nom)    | 6500 K                |
| Luminous efficacy (rated) (nom.)       | 150.00 lm/W           |
| Colour consistency                     | <6                    |
| Colour rendering index (nom.)          | 80                    |
| LLMF at end of nominal lifetime (nom.) | 70 %                  |

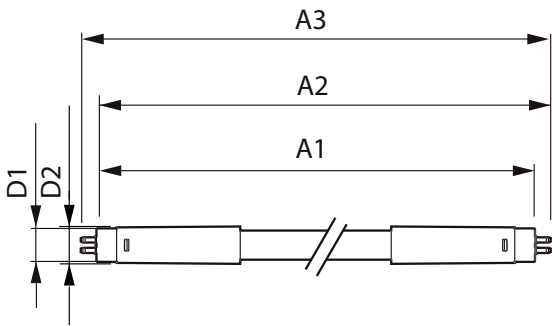
| Operating and Electrical         |             |
|----------------------------------|-------------|
| Input frequency                  | 50 to 60 Hz |
| Power (Rated) (Nom)              | 20 W        |
| Lamp current (nom.)              | 99 mA       |
| Starting time (nom.)             | 0.5 s       |
| Warm-up time to 60% light (nom.) | 0.5 s       |
| Power factor (nom.)              | 0.92        |
| 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.)            | 75 °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  | D                                                |
| Energy-saving product    | Yes                                              |
| Approval marks           | RoHS compliance CE marking KEMA Keur certificate |

|                                    |                                        |
|------------------------------------|----------------------------------------|
| Energy consumption kWh/1,000 hours | 20 kWh                                 |
|                                    | 467356                                 |
| Product Data                       |                                        |
| Full product code                  | 871951433441000                        |
| Order product name                 | MASTER LEDtube 1500mm HE 20W 865 T5 EU |
| EAN/UPC – product                  | 8719514334410                          |
| Order code                         | 33441000                               |
| SAP numerator – quantity per pack  | 1                                      |
| Numerator – packs per outer box    | 10                                     |
| SAP material                       | 929002421402                           |
| SAP net weight (piece)             | 0.176 kg                               |

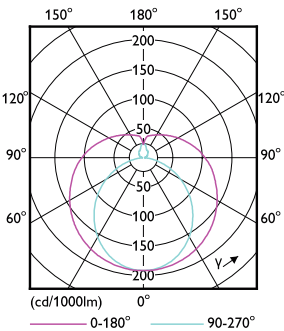
Dimensional drawing



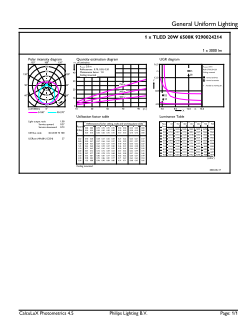
Master LEDtube 1500mm 20W865 G5 EU

| Product                                   | D1      | D2    | A1      | A2        | A3        |
|-------------------------------------------|---------|-------|---------|-----------|-----------|
| MASTER LEDtube 1500mm<br>HE 20W 865 T5 EU | 15.8 mm | 19 mm | 1449 mm | 1454.9 mm | 1463.2 mm |

Photometric data



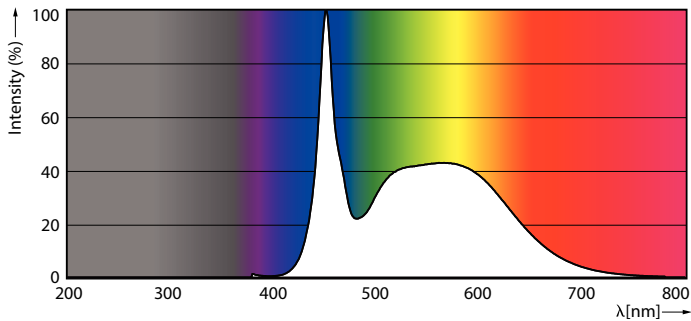
LEDtube MAS 8W G5 1000lm



LEDtube MAS 20W G5 3000lm 865

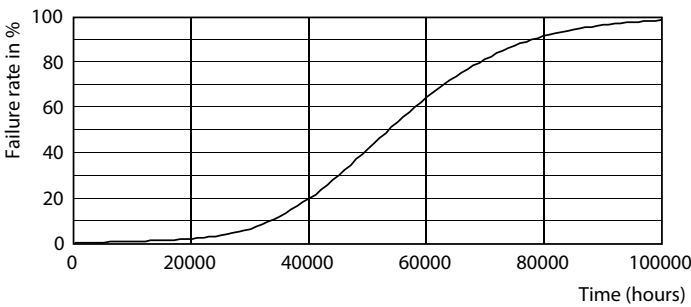
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Photometric data

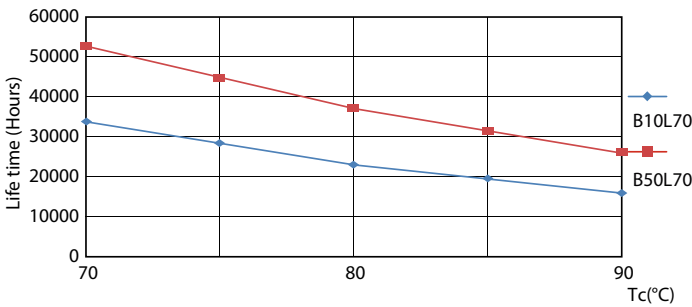


LEDtube MAS 16,5W G5 2500lm 865

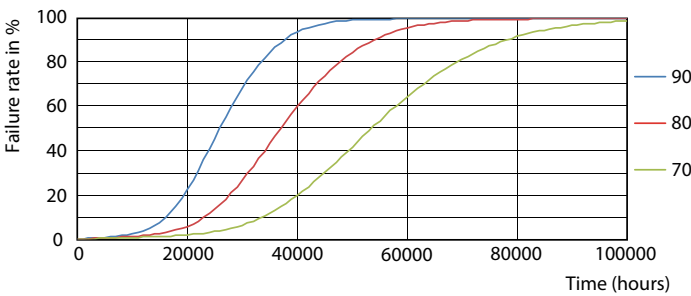
Lifetime



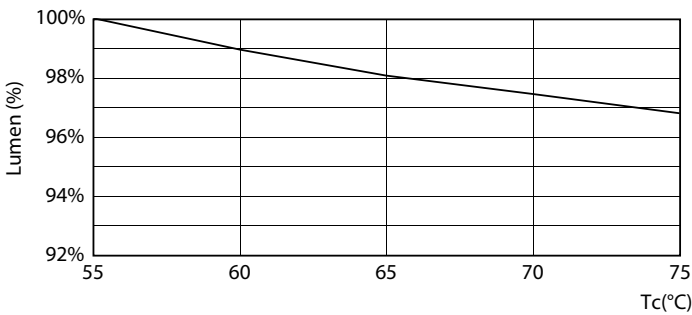
LEDtube 50K-LED



LEDtube MAS 1 26W 50K LifetimeVsTc-LED



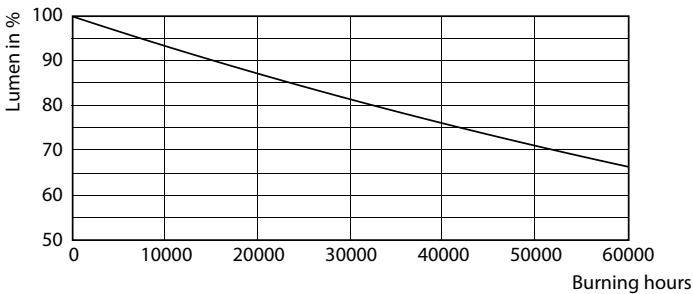
LEDtube MAS 1 26W 50K FailureRate-LED



LEDtube MAS G3 20W 50K LumenVsTc-LMP

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Lifetime



LEDtube 50K-LMP

