



# Essential LED tubes T5 Mains

## MASTER LEDtube 1200mm 13W840 G5 I

The Essential LEDtube T5 is an affordable LED solution suitable for replacing T5 fluorescent lamps. Thanks to a unique design, Philips Essential LED tube T5 Mains can be directly installed in luminaires operating on mains power connection. The product provides a natural lighting effect for use in general lighting applications, as well as instant energy savings – an environmentally friendly solution.

### Product data

| General Information                   |                    |
|---------------------------------------|--------------------|
| Cap-Base                              | G5 [G5]            |
| Nominal lifetime                      | 40,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LED                |
| EU RoHS compliant                     | Yes                |
| Light Technical                       |                    |
| Color Code                            | 840 [CCT of 4000K] |
| Beam Angle (Nom)                      | 160 degree(s)      |
| Luminous Flux                         | 1,600 lm           |
| Color Designation                     | Cool White (CW)    |
| Correlated Color Temperature (Nom)    | 4000 K             |
| Luminous Efficacy (rated) (Nom)       | 123.00 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         | 13 W            |
| Starting Time (Nom)       | 0.5 s           |
| Warm-up time to 60% light | 0.5 s           |
| Power Factor (Fraction)   | 0.9             |
| Voltage (Nom)             | 33 V            |
| Temperature               |                 |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom)      | 50 °C           |
| Controls and Dimming      |                 |
| Dimmable                  | No              |
| Mechanical and Housing    |                 |
| Product Length            | 1,200 mm        |
| Bulb Shape                | T5              |
| Approval and Application  |                 |
| Energy Saving Product     | Yes             |

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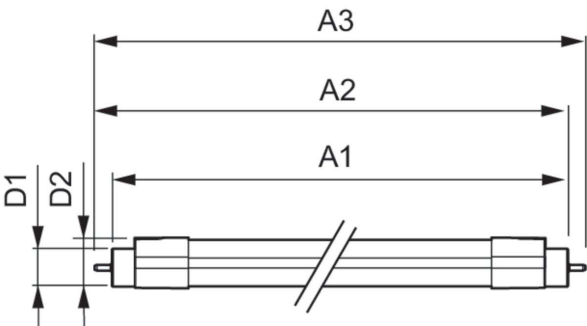
|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Suitable For Accent Lighting  | No                                               |
| Approval Marks                | RoHS compliance KEMA Keur certificate CE marking |
| Energy Consumption kWh/1000 h | 15 kWh                                           |

Product Data

|                    |                                   |
|--------------------|-----------------------------------|
| Order product name | MASTER LEDtube 1200mm 13W840 G5 I |
| Full product name  | MASTER LEDtube 1200mm 13W840 G5 I |
| Full product code  | 694793910873200                   |

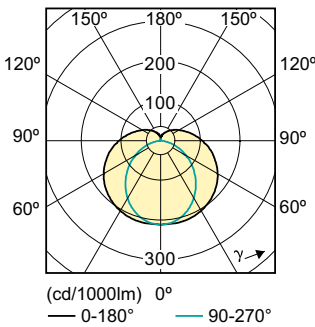
|                                 |               |
|---------------------------------|---------------|
| Order code                      | 929001131110  |
| Material Nr. (12NC)             | 929001131110  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 6947939108732 |
| Numerator - Packs per outer box | 20            |
| EAN/UPC - Case                  | 6947939108749 |

Dimensional drawing

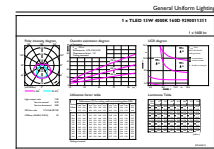


| Product                           | D1      | D2      | A1         | A2         | A3         |
|-----------------------------------|---------|---------|------------|------------|------------|
| MASTER LEDtube 1200mm 13W840 G5 I | 15.8 mm | 21.0 mm | 1,148.0 mm | 1,155.0 mm | 1,162.0 mm |

Photometric data



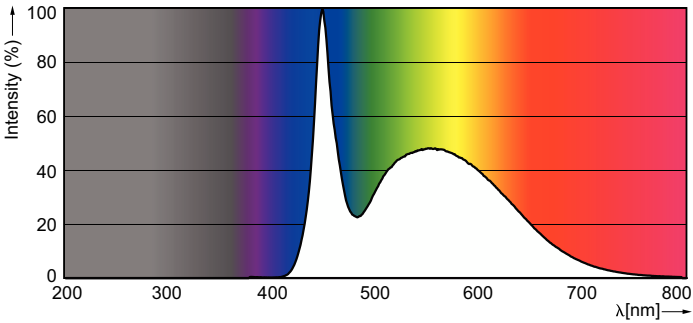
Light Distribution Diagram - MASTER LEDtube 1200mm 13W840 G5 I



General uniform lighting - MASTER LEDtube 1200mm 13W840 G5 I

Essential LED tubes T5 Mains

Photometric data



Spectral Power Distribution Colour - MASTER LEDtube 1200mm 13W840 G5

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