



# Essential LED tubes T5 Mains

## MASTER LEDtube 1200mm 13W865 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             |
| Nominal lifetime    | 40,000 hour(s) |
| Switching Cycle     | 50,000         |
| Lighting Technology | LED            |
| EU RoHS compliant   | Yes            |

| Light Technical                       |                    |
|---------------------------------------|--------------------|
| Color Code                            | 865 [CCT of 6500K] |
| Beam Angle (Nom)                      | 160 degree(s)      |
| Luminous Flux                         | 1,600 lm           |
| Color Designation                     | Cool Daylight      |
| Correlated Color Temperature (Nom)    | 6500 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       |

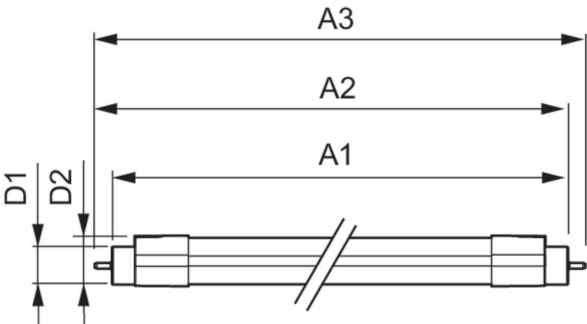
| Approval and Application |     |
|--------------------------|-----|
| Energy Saving Product    | Yes |

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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 13W865 G5 I                |
| Full product name             | MASTER LEDtube 1200mm 13W865 G5 I                |
| Full product code             | 694793910875600                                  |

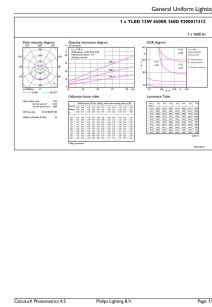
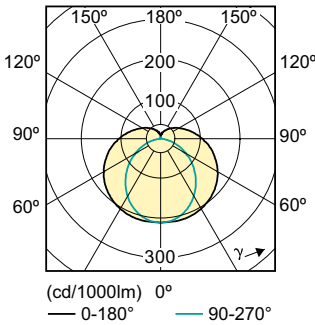
|                                 |               |
|---------------------------------|---------------|
| Order code                      | 929001131210  |
| Material Nr. (12NC)             | 929001131210  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 6947939108756 |
| Numerator - Packs per outer box | 20            |
| EAN/UPC - Case                  | 6947939108763 |

Dimensional drawing



| Product                           | D1      | D2      | A1         | A2         | A3         |
|-----------------------------------|---------|---------|------------|------------|------------|
| MASTER LEDtube 1200mm 13W865 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 13W865 G5 I

General uniform lighting - MASTER LEDtube 1200mm 13W865 G5 I

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Photometric data



Spectral Power Distribution Colour - MASTER LEDtube 1200mm 13W865 G5

