PHILIPS

Lighting



# Essential LED tubes T8 Mains

## CorePro LEDtube 1200mm 18W 840 T8C W G

The Essential LEDtube is an affordable LED solution suitable for an easy replacement of T8 fluorescent lamps.Thanks to a unique design, Philips Essential LED tube T8 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** | G13 [ Medium Bi-Pin Fluorescent] |
| **RoHS mark** | RoHS mark |
| **Main Application** | Industrial |
| **Nominal Lifetime (Nom)** | 30000 h |
| **Switching Cycle** | 50000X |
| **B50L70** | 30000 h |

| Light Technical | |
|---|---|
| **Color Code** | 840 [ CCT of 4000K] |
| **Luminous Flux (Rated) (Nom)** | 1850 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Color Consistency** | <6 |
| **Color Rendering Index (Nom)** | 82 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Input Frequency** | 50 to 60 Hz |
| **Power (Rated) (Nom)** | 18 W |
| **Starting Time (Nom)** | 0.5 s |
| **Warm Up Time to 60% Light (Nom)** | instant full light |
| **Power Factor (Nom)** | 0.92 |
| **Voltage (Nom)** | 100-240 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)** | 70 °C |

| Controls and Dimming | |
|---|---|
| **Dimmable** | No |

| Mechanical and Housing | |
|---|---|
| **Product Length** | 1200 mm |

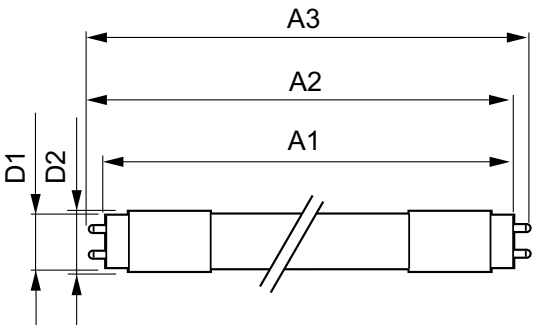
# Essential LED tubes T8 Mains

| Approval and Application | |
|---|---|
| **Energy Efficiency Label (EEL)** | A+ |
| **Energy Saving Product** | Yes |
| **Suitable For Accent Lighting** | No |
| **Approval Marks** | CE marking UL certificate RoHS compliance<br>KEMA Keur certificate |
| **Energy Consumption kWh/1000 h** | 18 kWh |

| Product Data | |
|---|---|
| **Full product code** | 871869668291301 |

| | |
|---|---|
| **Order product name** | CorePro LEDtube 1200mm 18W 840 T8C W G |
| **EAN/UPC - Product** | 8718696682913 |
| **Order code** | 929001193972 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 20 |
| **Material Nr. (12NC)** | 929001193972 |
| **Net Weight (Piece)** | 0.215 kg |

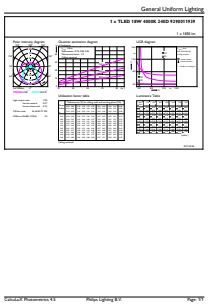
## Dimensional drawing



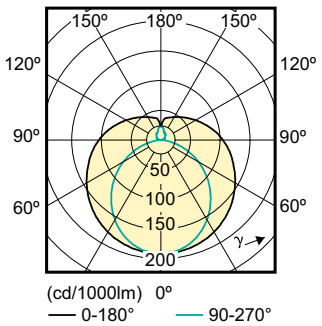

LEDtube 1200mm 18W/840 T8C WG

| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| CorePro LEDtube 1200mm 18W 840 T8C W G | 25.6 mm | 27.8 mm | 1199.4 mm | 1205.3 mm | 1213.6 mm |

## Photometric data



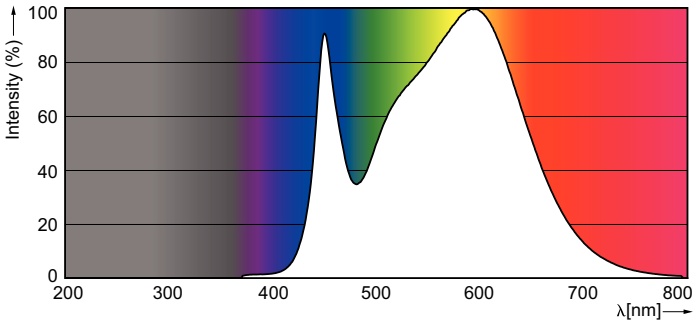
Essential LEDtube 18W G13 4000K 240D




LEDtube 1200mm 18 W T8 C W G

# Essential LED tubes T8 Mains

## Photometric data




**LEDtube 1200mm 18 W /840 T8 C W G**

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