PHILIPS

Lighting

# Other LED tube

## MAS Ledtube 1200mm HO 16W 865 T5 DC

MASTER, LEDtube, T5, Mains, 1200 mm, 52-59 V, 16 W, 28W TL5 HE, 6500 K, 2500 lm, 50000 hour(s)

MASTER, LEDtube, T5, Mains, 1200 mm, 52-59 V, 16 W, LED alternative to 28W TL5 HE, 6500 K, 2500 lm, 50000 hour(s), 156.00 lm/W, G5, Beam angle 160 degree(s), Glass

### Product data

| General Information | |
|---|---|
| **Cap-Base** | G5 |
| **Nominal lifetime** | 50,000 hour(s) |
| **Switching Cycle** | 200,000 |
| **Lighting Technology** | LEDtube |

| Light Technical | |
|---|---|
| **Color Code** | 865 [CCT of 6500K] |
| **Beam Angle (Nom)** | 160 degree(s) |
| **Luminous Flux** | 2,500 lm |
| **Color Designation** | Cool Daylight |
| **Correlated Color Temperature (Nom)** | 6500 K |
| **Luminous Efficacy (rated) (Nom)** | 156.00 lm/W |
| **Color Consistency** | <6 |
| **Color rendering index (CRI)** | 82 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Line Frequency** | - Hz |
| **Input Frequency** | - Hz |
| **Power Consumption** | 16 W |
| **Lamp Current (Max)** | 290 mA |
| **Lamp Current (Min)** | 290 mA |
| **Lamp Current (Nom)** | 290 mA |
| **Starting Time (Nom)** | 0.5 s |
| **Warm-up time to 60% light** | 0.5 s |
| **Power Factor (Fraction)** | - |
| **Voltage (Nom)** | 52-59 V |
| **LED alternative to fluorescent lamp power** | 28W TL5 HE |
| **Ballast Compatibility** | Mains |

| Temperature | |
|---|---|
| **T-Case Maximum (Nom)** | 55 °C |

| Controls and Dimming | |
|---|---|
| **Dimmable** | Yes |

| Mechanical and Housing | |
|---|---|
| **Bulb Finish** | Frosted |
| **Bulb Material** | Glass |

# Other LED tube

| | |
|---|---|
| **Product Length** | 1,200 mm |
| **Bulb Shape** | T5 |
| **Net Weight (Piece)** | 0.191 kg |

## Approval and Application

| | |
|---|---|
| **Energy Saving Product** | Yes |
| **Approval Marks** | RoHS compliance CE marking KEMA Keur certificate |
| **Energy Consumption kWh/1000 h** | 16 kWh |
| **EU RoHS compliant** | Yes |
| **Ambient temperature range** | -20 °C to 45 °C |

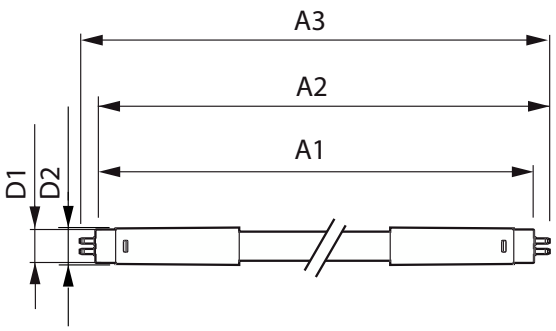
## Application Conditions

| | |
|---|---|
| **Wireless Technology** | Not applicable |

## Product Data

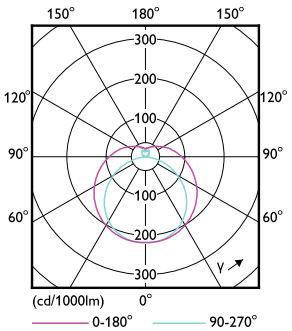
| | |
|---|---|
| **Order product name** | MAS Ledtube 1200mm HO 16W 865 T5 DC |
| **Full product name** | MAS Ledtube 1200mm HO 16W 865 T5 DC |
| **Full product code** | 871869976525500 |
| **Order code** | 929002387508 |
| **Material Nr. (12NC)** | 929002387508 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718699765255 |
| **Numerator - Packs per outer box** | 20 |
| **EAN/UPC - Case** | 8718699765262 |

## Dimensional drawing

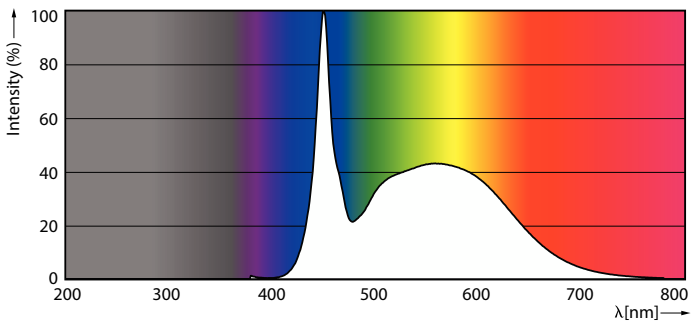



| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| MAS Ledtube 1200mm HO 16W 865 T5 DC | 15.8 mm | 19 mm | 1,149 mm | 1,156.1 mm | 1,163.2 mm |

## Photometric data




Light Distribution Diagram - MAS Ledtube 1200mm HO 16W 865 T5 DC




Spectral Power Distribution Colour - MAS Ledtube 1200mm HO 16W 865 T5 DC

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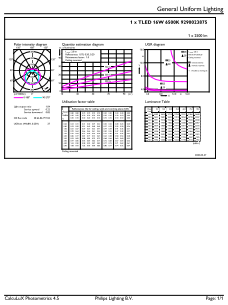
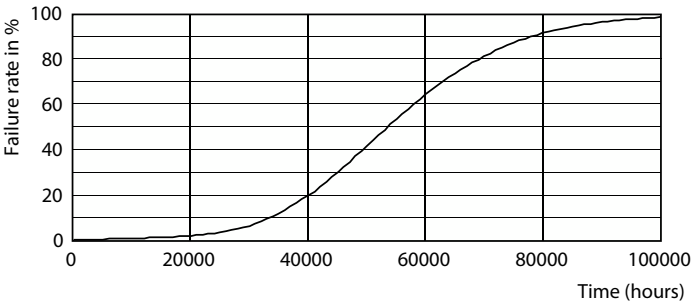
## Photometric data

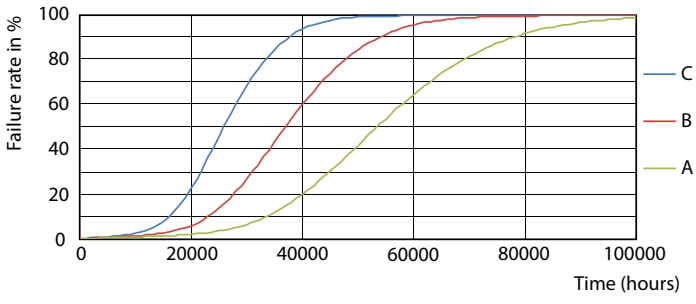


General uniform lighting - MAS Ledtube 1200mm HO 16W 865 T5 DC

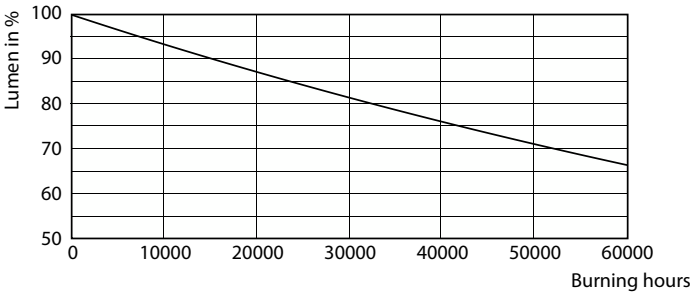
## Lifetime



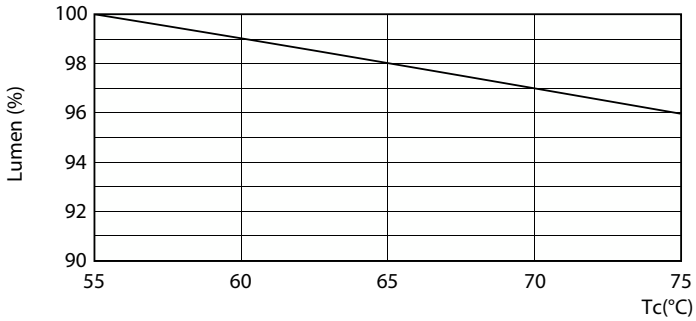

Life Expectancy Diagram




FailureRate




Lumen Maintenance Diagram - MAS Ledtube 1200mm HO 16W 865 T5 DC




Lumen Maintenance Diagram - MAS Ledtube 1200mm HO 16W 865 T5 DC

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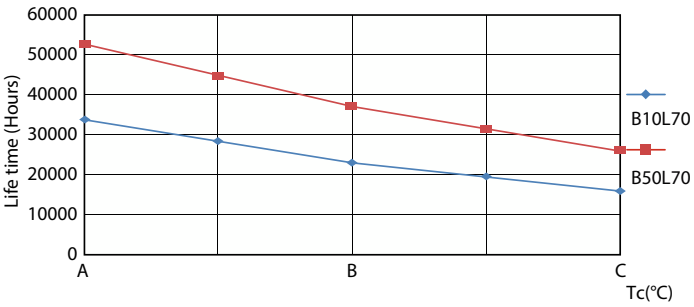
### Lifetime




**LifetimeVsTc**

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