PHILIPS

Lighting




# CorePro LEDtube InstantFit HF T5

## CorePro LEDtube HF 1200mm HE 17.1W 830T5

CorePro LEDtube InstantFit HF T5 is the quick and easy way to replace T5 fluorescent tubes with a fast payback time. Designed with industry leading ballast compatibility, the product is ideal for your everyday lighting jobs. With simply plug-and-play installation, it improves energy efficiency immediately and lasts for longer than conventional T5.

### Product data

| General Information | |
|---|---|
| **Cap-Base** | G5 |
| **Nominal lifetime** | 50,000 hour(s) |
| **Switching Cycle** | 50,000 |
| **Lighting Technology** | LED |
| **Flux measurement reference** | Sphere |

| Light Technical | |
|---|---|
| **Color Code** | 830 [CCT of 3000K] |
| **Beam Angle (Nom)** | 200 degree(s) |
| **Luminous Flux** | 2,300 lm |
| **Luminous Efficacy (rated) (Nom)** | 134 lm/W |
| **Color Designation** | White (WH) |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Color Consistency** | <6 |
| **Color rendering index (CRI)** | 80 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |
| **Photobiological safety according to EN 62471** | RG0 |

| Operating and Electrical | |
|---|---|
| **Input Frequency** | 30K to 100K Hz |
| **Power Consumption** | 17.1 W |
| **Lamp Current (Max)** | 350 mA |
| **Lamp Current (Min)** | 150 mA |
| **Starting Time (Nom)** | 0.5 s |
| **Warm-up time to 60% light** | 0.5 s |
| **Power Factor (Fraction)** | 0.9 |
| **Voltage (Nom)** | 70-120 V |
| **LED alternative to fluorescent lamp power** | 28 W |
| **Inrush current at mains** | - |
| **Max. lamp no. on MCB B type 10A - Mains** | - |
| **Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.** | - |
| **Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.** | - |
| **Max. lamp no. on MCB B type 16A - Mains** | - |
| **Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.** | - |

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| | |
|---|---|
| **Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.** | - |
| **Ballast Compatibility** | HF |

### Temperature

| | |
|---|---|
| **Ambient temperature range** | -20 to +45 °C |
| **T-Case Maximum (Nom)** | 45 °C |

### Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |

### Mechanical and Housing

| | |
|---|---|
| **Bulb Finish** | Frosted |
| **Bulb Material** | Glass |
| **Product Length** | 1,200 mm |
| **Bulb Shape** | T5 |

### Approval and Application

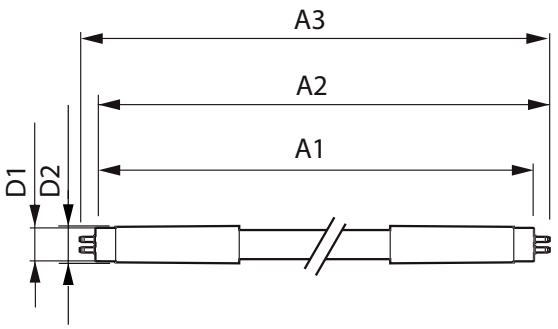
| | |
|---|---|
| **Energy Efficiency Class** | E |
| **Energy Saving Product** | Yes |
| **Approval Marks** | RoHS compliance TUV CE marking KEMA Keur certificate |

| | |
|---|---|
| **Energy Consumption kWh/1000 h** | 18 kWh |
| **EPREL Registration Number** | 1880104 |
| **CE mark** | Yes |
| **EU RoHS compliant** | Yes |

### Product Data

| | |
|---|---|
| **Order product name** | CorePro LEDtube HF 1200mm HE 17.1W 830T5 |
| **Full product name** | CorePro LEDtube HF 1200mm HE 17.1W 830T5 |
| **Full product code** | 872016929546900 |
| **Order code** | 929003774402 |
| **Material Nr. (12NC)** | 929003774402 |
| **Numerator - Quantity Per Pack** | 1 |
| **Net Weight (Piece)** | 0.160 kg |
| **EAN/UPC - Product/Case** | 8720169295469 |
| **Numerator - Packs per outer box** | 10 |
| **EAN/UPC - Case** | 8720169295476 |

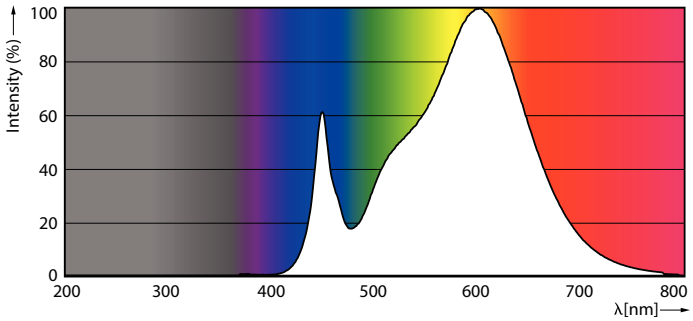
## Dimensional drawing



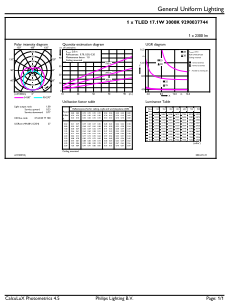

| Product |
|---|
| CorePro LEDtube HF 1200mm HE 17.1W 830T5 |

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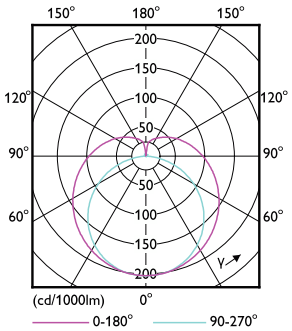
## Photometric data




Spectral Power Distribution Colour - CorePro LEDtube HF 1200mm HE 17.1W 830T5

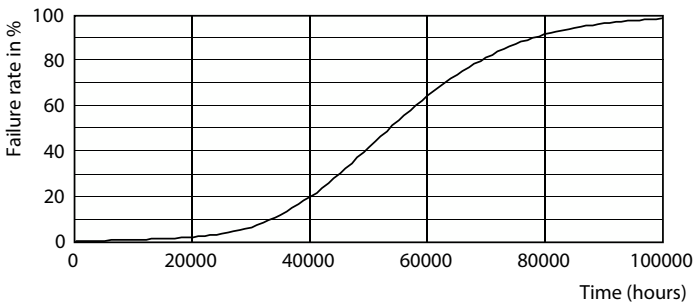



General uniform lighting - CorePro LEDtube HF 1200mm HE 17.1W 830T5

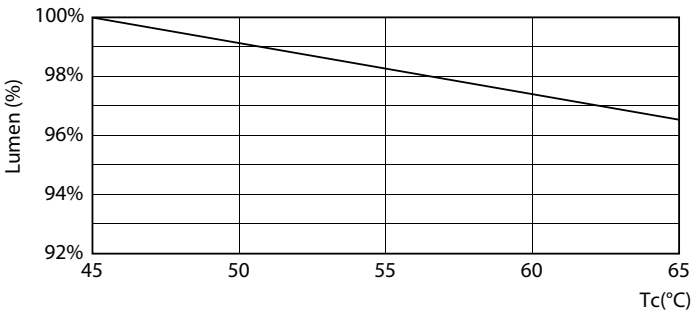



Light Distribution Diagram - CorePro LEDtube HF 1200mm HE 17.1W 830T5

## Lifetime



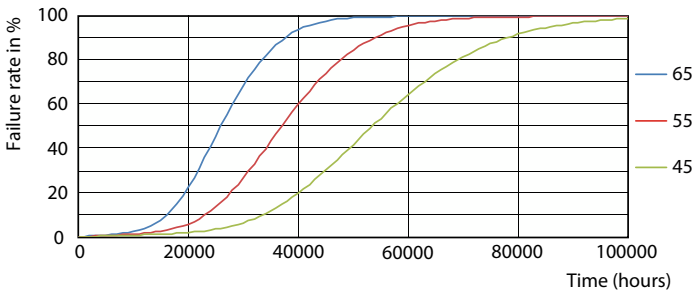

Life Expectancy Diagram



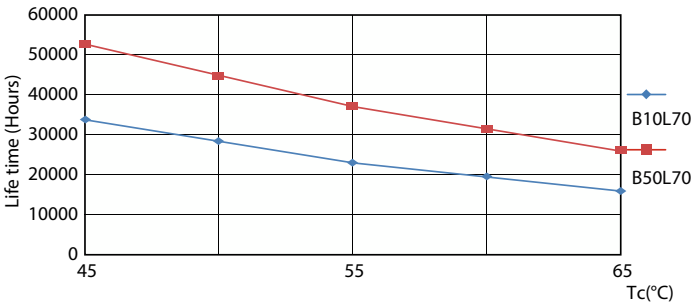

Lumen Maintenance Diagram - CorePro LEDtube HF 1200mm HE 17.1W 830T5

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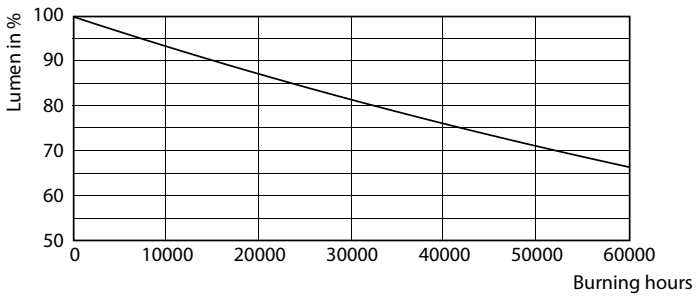
## Lifetime




**FailureRate**




**LifetimeVsTc**




**Lumen Maintenance Diagram - CorePro LEDtube HF 1200mm HE 17.1W 830T5**

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