PHILIPS

Lighting




# CorePro LEDtube InstantFit HF T5




## CorePro LEDtube HF 1200mm HE 17.1W 865T5

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 h |
| **Switching Cycle** | 50,000 |
| **Lighting Technology** | LED |
| **Flux measurement reference** | Sphere |

| Light Technical | |
|---|---|
| **Colour Code** | 865 [CCT of 6500K] |
| **Beam angle (nom.)** | 200 degree(s) |
| **Luminous Flux** | 2,500 lm |
| **Luminous efficacy (rated) (nom.)** | 146 lm/W |
| **Colour designation** | Cool Daylight |
| **Correlated Colour Temperature** | 6500 K |
| **Colour consistency** | <6 |
| **Colour rendering index (CRI)** | 80 |
| **LLMF at end of nominal lifetime (nom.)** | 70 % |
| **Photobiological safety according to EN 62471** | RG0 |

| Operating and Electrical | |
|---|---|
| **Input frequency** | 30 K to 100 K 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

| | |
|---|---|
| **Lamp Finish** | Frosted |
| **Bulb material** | Glass |
| **Product length** | 1,200 mm |
| **Bulb shape** | T5 |

### Approval and Application

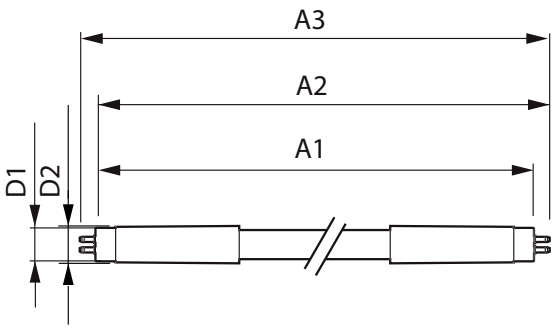
| | |
|---|---|
| **Energy Efficiency Class** | D |
| **Energy-saving product** | Yes |
| **Approval marks** | RoHS compliance KEMA Keur certificate |

| | |
|---|---|
| **Energy consumption kWh/1,000 hours** | 18 kWh |
| **EPREL registration number** | 1880100 |
| **CE mark** | Yes |
| **EU RoHS compliant** | Yes |

### Product Data

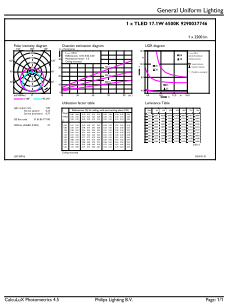
| | |
|---|---|
| **Order product name** | CorePro LEDtube HF 1200mm HE 17.1W 865T5 |
| **Full product name** | CorePro LEDtube HF 1200mm HE 17.1W 865T5 |
| **Full EOC** | 872016929550600 |
| **Order code** | 29550600 |
| **Material no. (12 NC)** | 929003774602 |
| **Numerator – quantity per pack** | 1 |
| **Net Weight (Piece)** | 0.160 kg |
| **EAN/UPC — Product/Case** | 8720169295506 |
| **Numerator – packs per outer box** | 10 |
| **EAN/UPC - Case** | 8720169295513 |

## Dimensional drawing

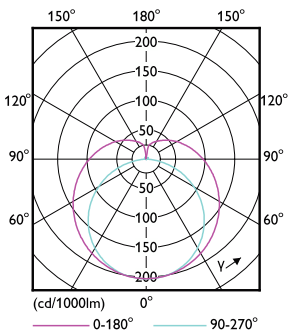



| Product |
|---|
| CorePro LEDtube HF 1200mm HE 17.1W 865T5 |

## Photometric data



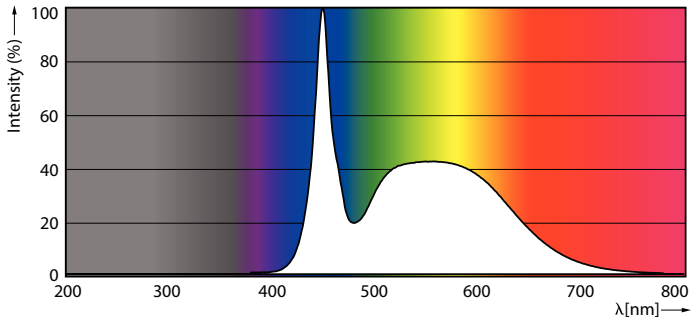
General uniform lighting - CorePro LEDtube HF 1200mm HE 17.1W 865T5




Light Distribution Diagram - CorePro LEDtube HF 1200mm HE 17.1W 865T5

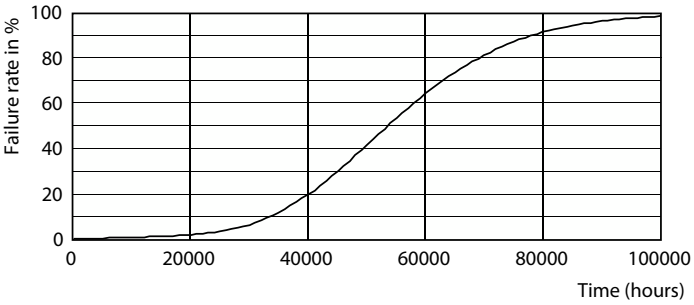
# CorePro LEDtube InstantFit HF T5

## Photometric data

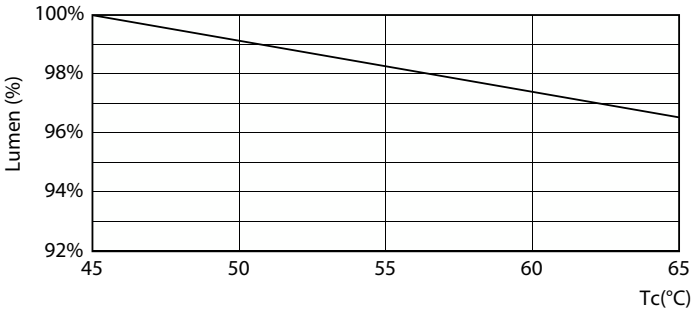



**Spectral Power Distribution Colour - CorePro LEDtube HF 1200mm HE 17.1W 865T5**

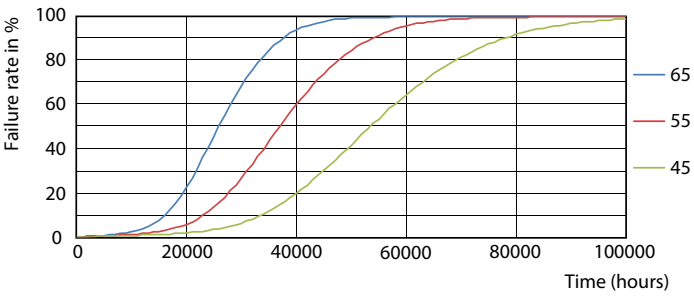
## Lifetime



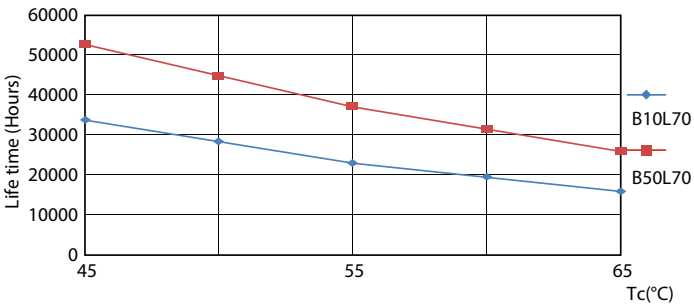

**Life Expectancy Diagram**




**Lumen Maintenance Diagram - CorePro LEDtube HF 1200mm HE 17.1W 865T5**



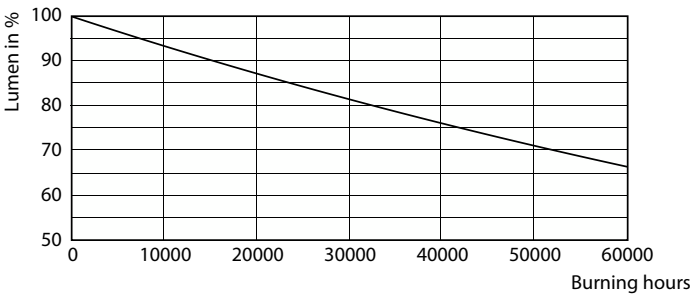

**FailureRate**




**LifetimeVsTc**

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## Lifetime




**Lumen Maintenance Diagram - CorePro LEDtube HF 1200mm HE 17.1W 865T5**

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