PHILIPS

Lighting




# CorePro LEDtube InstantFit HF T5

## CorePro LEDtube HF 600mm HE 7.1W 840T5

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** | 840 [CCT of 4000K] |
| **Beam Angle (Nom)** | 200 degree(s) |
| **Luminous Flux** | 1,050 lm |
| **Luminous Efficacy (rated) (Nom)** | 147 lm/W |
| **Color Designation** | Cool White (CW) |
| **Correlated Color Temperature (Nom)** | 4000 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** | 7.1 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)** | 40-70 V |
| **LED alternative to fluorescent lamp power** | 14 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.** | - |

# CorePro LEDtube InstantFit HF T5

| | |
|---|---|
| **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** | 600 mm |
| **Bulb Shape** | T5 |

### Approval and Application

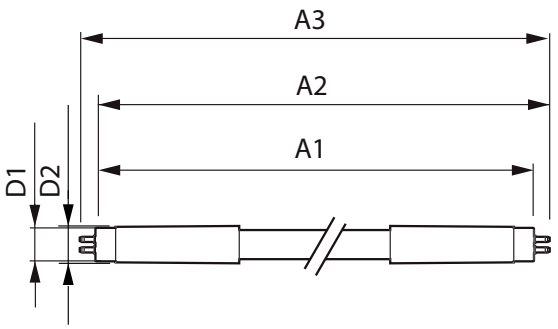
| | |
|---|---|
| **Energy Efficiency Class** | D |
| **Energy Saving Product** | Yes |
| **Approval Marks** | RoHS compliance TUV CE marking KEMA Keur certificate |

| | |
|---|---|
| **Energy Consumption kWh/1000 h** | 8 kWh |
| **EPREL Registration Number** | 1880102 |
| **CE mark** | Yes |
| **EU RoHS compliant** | Yes |

### Product Data

| | |
|---|---|
| **Order product name** | CorePro LEDtube HF 600mm HE 7.1W 840T5 |
| **Full product name** | CorePro LEDtube HF 600mm HE 7.1W 840T5 |
| **Full product code** | 872016929542100 |
| **Order code** | 929003774202 |
| **Material Nr. (12NC)** | 929003774202 |
| **Numerator - Quantity Per Pack** | 1 |
| **Net Weight (Piece)** | 0.085 kg |
| **EAN/UPC - Product/Case** | 8720169295421 |
| **Numerator - Packs per outer box** | 10 |
| **EAN/UPC - Case** | 8720169295438 |

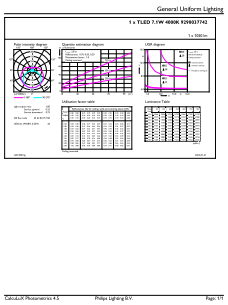
## Dimensional drawing



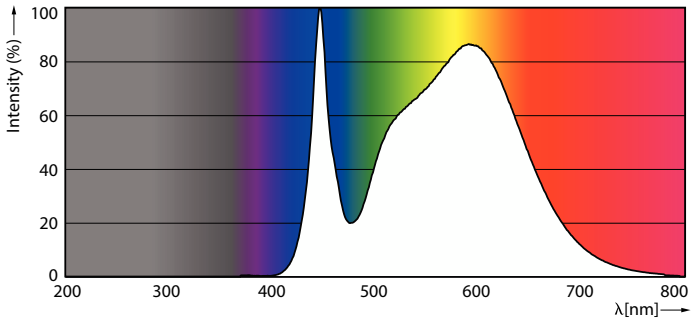

| Product |
|---|
| CorePro LEDtube HF 600mm HE 7.1W 840T5 |

# CorePro LEDtube InstantFit HF T5

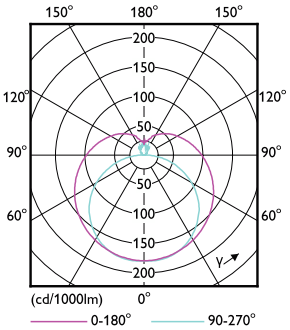
## Photometric data



General uniform lighting - CorePro LEDtube HF 600mm HE 7.1W 840T5

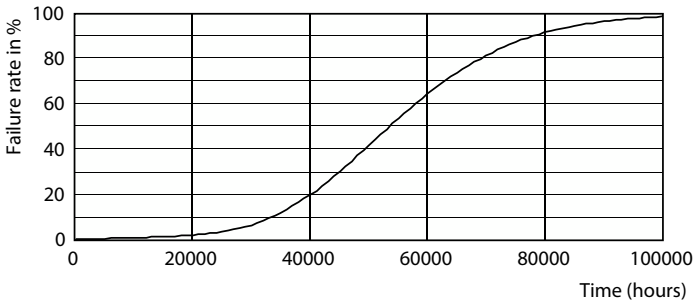



Spectral Power Distribution Colour - CorePro LEDtube HF 600mm HE 7.1W 840T5

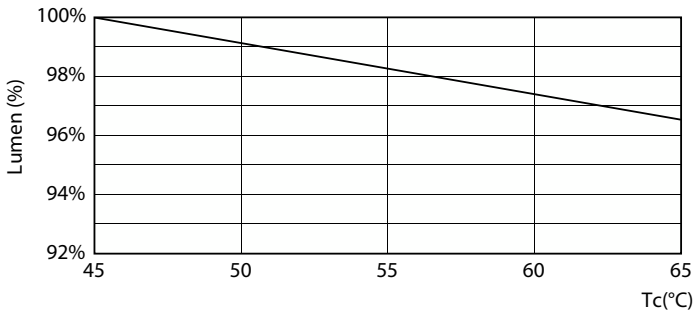



Light Distribution Diagram - CorePro LEDtube HF 600mm HE 7.1W 840T5

## Lifetime



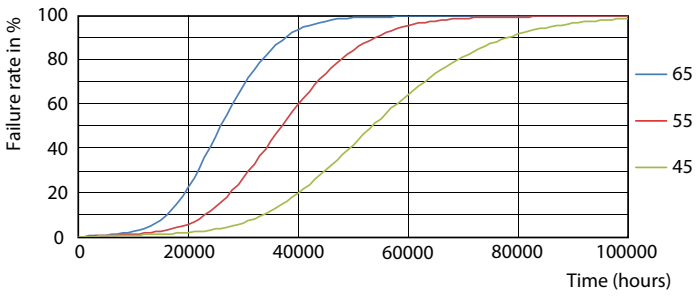

Life Expectancy Diagram



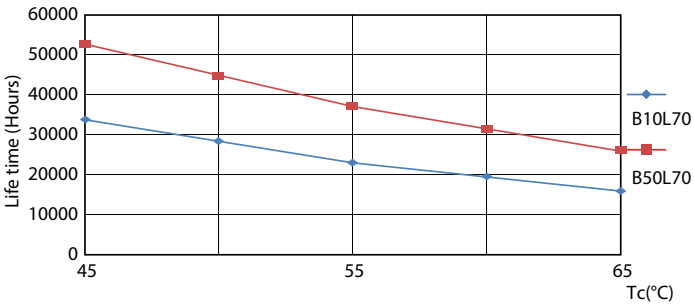

Lumen Maintenance Diagram - CorePro LEDtube HF 600mm HE 7.1W 840T5

# CorePro LEDtube InstantFit HF T5

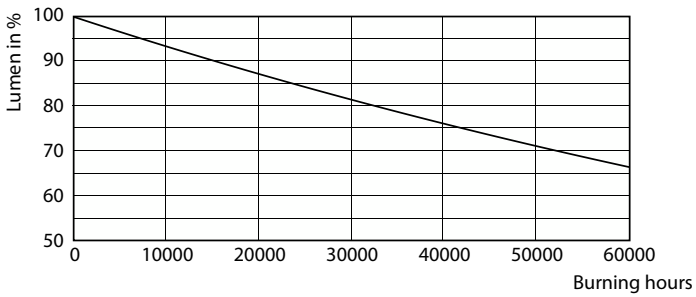
## Lifetime




**FailureRate**




**LifetimeVsTc**




**Lumen Maintenance Diagram - CorePro LEDtube HF 600mm HE 7.1W 840T5**

© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.