



CorePro LEDtube EM/ Mains T8

CorePro LEDtube 600mm 8W865

Philips CorePro LEDtubes are the quick and easy way to replace T8 fluorescent or other LED tubes with a fast pay back time. Not only does the Core range of LEDtubes require a low initial investment, but LED energy efficiency also delivers instant savings that you can bank on over a long and reliable lifetime. Plus, with the same lamp size and light distribution as fluorescent alternatives, you'll never know the difference. There are two ways to install these LED tubes: Rewire your existing fluorescent-based luminaires so the CorePro LEDtubes work directly on the Mains. Or simply change the fluorescent starter to an LED starter that can be used with your Electromagnetic ballasts.

Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.
- Installation must be done according to the installation diagrams provided with the lamp or available online. Installation must be done by a certified professional.

Product data

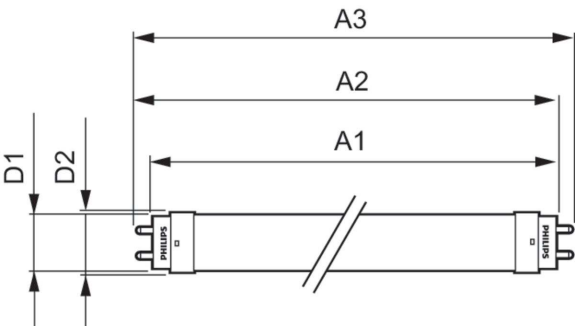
| General Information | | | |
|---------------------|---------------------------------|---------------------------------------|---------------|
| Cap-Base | G13 [Medium Bi-Pin Fluorescent] | Luminous Flux | 800 lm |
| Nominal lifetime | 30,000 hour(s) | Color Designation | Cool Daylight |
| Switching Cycle | 200,000 | Correlated Color Temperature (Nom) | 6500 K |
| Lighting Technology | LED | Luminous Efficacy (rated) (Nom) | 100.00 lm/W |
| EU RoHS compliant | Yes | Color Consistency | <6 |
| Light Technical | | Color rendering index (CRI) | 80 |
| Color Code | 865 [CCT of 6500K] | LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Beam Angle (Nom) | 240 degree(s) | Flickering value (PstLM) | 2 |
| | | Stroboscopic effect value (SVM) | 2 |

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|--|-----------------|
| Photobiological safety according to EN 62471 RGO | |
| Operating and Electrical | |
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 8 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 220-240 V |
| LED alternative to fluorescent lamp power | 18 W |
| Temperature | |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 40 °C |
| Controls and Dimming | |
| Dimmable | No |
| Mechanical and Housing | |
| Bulb Material | Glass |

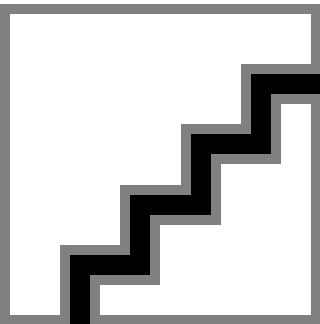
| | |
|---------------------------------|--|
| Product Length | 600 mm |
| Bulb Shape | T8 |
| Approval and Application | |
| Energy Saving Product | Yes |
| Approval Marks | CE marking RoHS compliance KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 8 kWh |
| Product Data | |
| Order product name | CorePro LEDtube 600mm 8W865 |
| Full product name | CorePro LEDtube 600mm 8W865 |
| Full product code | 871869671105700 |
| Order code | 929001338702 |
| Material Nr. (12NC) | 929001338702 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696711057 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696711064 |

Dimensional drawing

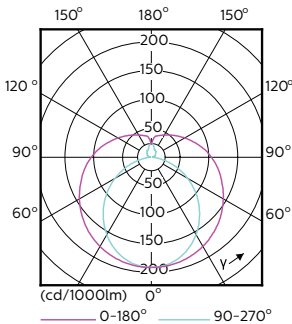


| Product | D1 | D2 | A1 | A2 | A3 |
|-----------------------------|---------|-------|----------|----------|----------|
| CorePro LEDtube 600mm 8W865 | 25.7 mm | 28 mm | 588.5 mm | 595.5 mm | 602.5 mm |

Photometric data



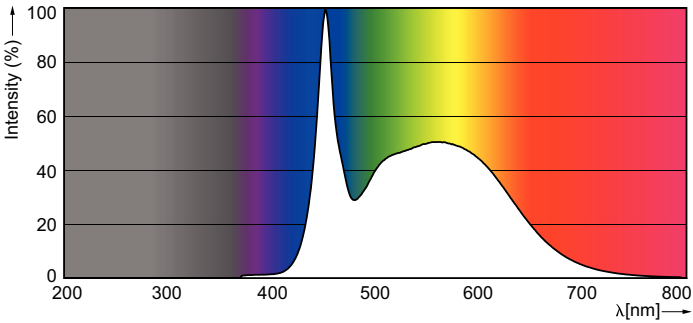
General uniform lighting - CorePro LEDtube 600mm 8W865



Light Distribution Diagram - CorePro LEDtube 600mm 8W865

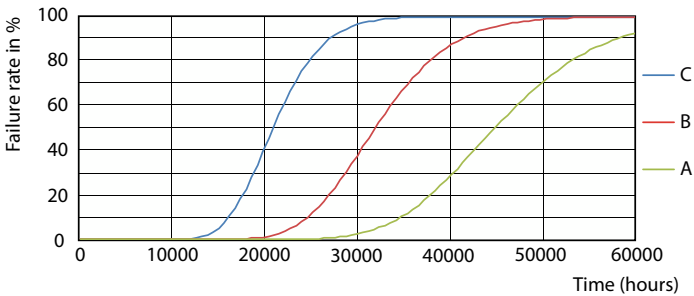
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Photometric data



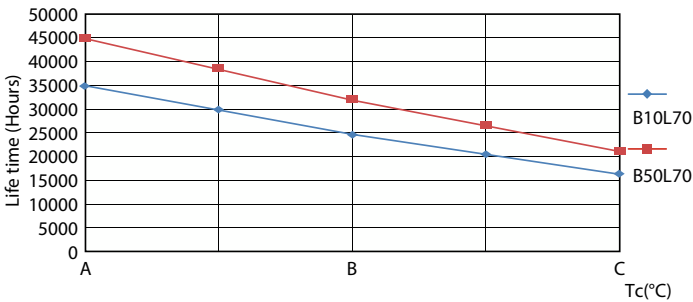
Spectral Power Distribution Colour - CorePro LEDtube 600mm 8W865

Lifetime

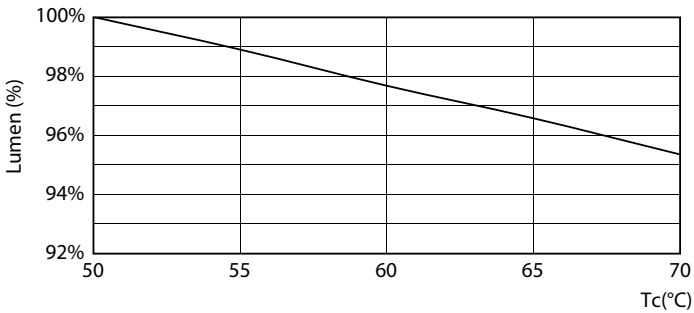


Life Expectancy Diagram - CorePro LEDtube 600mm 8W865

Life Expectancy Diagram - CorePro LEDtube 600mm 8W865



Life Expectancy Diagram - CorePro LEDtube 600mm 8W865



Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W865

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Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W865

