



CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1200mm HO 18W 865 T8

Philips CorePro LEDtubes are the quick and easy way to replace T8 fluorescent or other LED tubes with a fast pack 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 | | Luminous Flux | |
|----------------------------|---------------------------------|---------------------------------------|---------------|
| Cap-Base | G13 [Medium Bi-Pin Fluorescent] | Luminous Flux | 2,000 lumen |
| Nominal lifetime | 50,000 hour(s) | Color Designation | Cool Daylight |
| Switching Cycle | 200,000 | Correlated Color Temperature (Nom) | 6500 K |
| Lighting Technology | LED | Luminous Efficacy (rated) (Nom) | 111 lm/W |
| Flux measurement reference | Sphere | Color Consistency | <6 |
| | | Color rendering index (CRI) | 80 |
| | | LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Light Technical | | Operating and Electrical | |
| Color Code | 865 [CCT of 6500K] | Line Frequency | 50 to 60 Hz |
| Beam Angle (Nom) | 240 degree(s) | | |

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| | |
|---------------------------|-------------|
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 18 W |
| Lamp Current (Nom) | 90 mA |
| 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 |

Temperature

| | |
|---------------------------|-----------------|
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 50 °C |

Controls and Dimming

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

Mechanical and Housing

| | |
|----------------|--------------------|
| Bulb Finish | Frosted |
| Bulb Material | Glass |
| Product Length | 1,200 mm |
| Bulb Shape | Tube, double-ended |

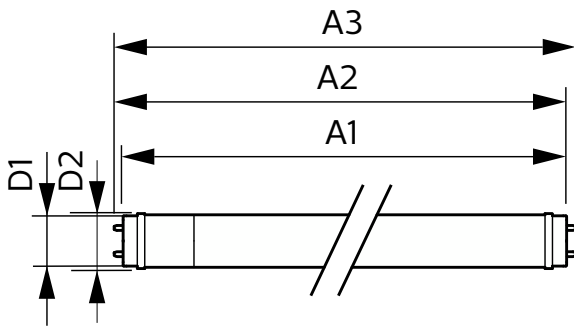
Approval and Application

| | |
|-------------------------------|--|
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance CE marking KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 18 kWh |
| EPREL Registration Number | 1,384,711 |
| CE mark | Yes |
| EU RoHS compliant | Yes |

Product Data

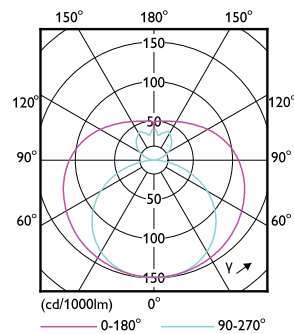
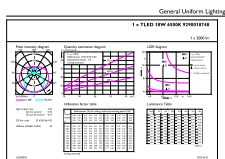
| | |
|---------------------------------|--------------------------------------|
| Full product code | 871951447558800 |
| Order product name | CorePro LEDtube 1200mm HO 18W 865 T8 |
| Order code | 929001874832 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 20 |
| Material number (12NC) | 929001874832 |
| Net weight | 0.220 kg |
| Full product name | CorePro LEDtube 1200mm HO 18W 865 T8 |
| EAN/UPC - Case | 8719514475595 |

Dimensional drawing



| Product | D1 | D2 | A1 | A2 | A3 |
|--------------------------------------|---------|-------|----------|----------|----------|
| CorePro LEDtube 1200mm HO 18W 865 T8 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |

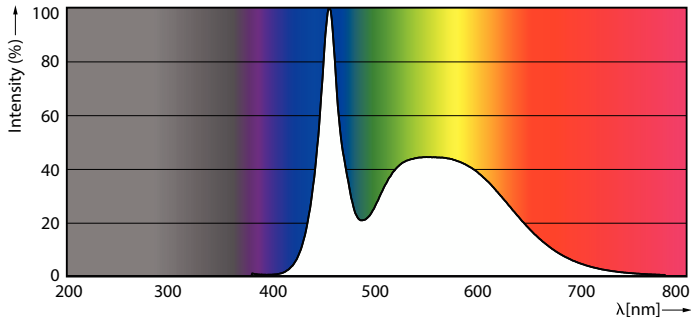
Photometric data



Light Distribution Diagram - CorePro LEDtube 1200mm HO 18W 865 T8

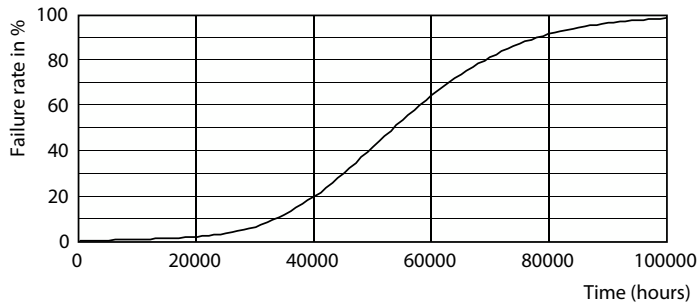
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Photometric data

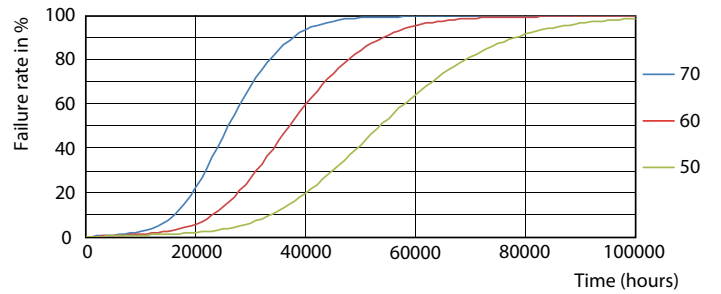


Spectral Power Distribution Colour - CorePro LEDtube 1200mm HO 18W 865 T8

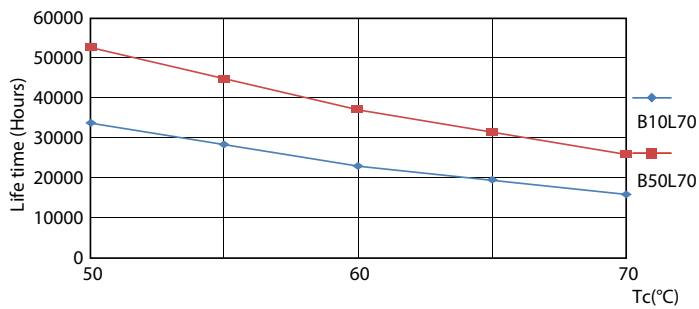
Lifetime



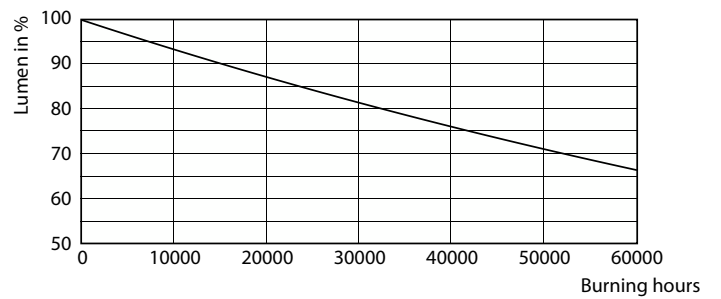
Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 865 T8



Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 865 T8



Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 865 T8



Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 865 T8

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