



CorePro LEDtube EM/ Mains T8



CorePro LEDtube 1200mm 15.5W 830 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

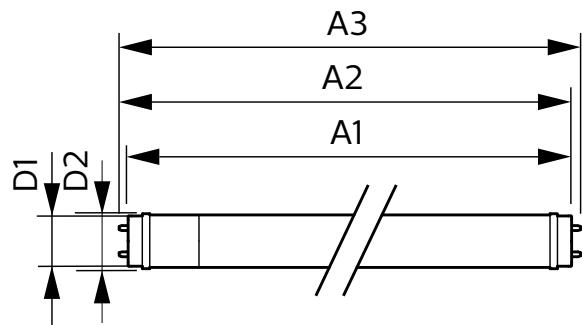
| General Information | | |
|---------------------------------------|---------------------------------|---------------|
| Cap-Base | G13 [Medium Bi-Pin Fluorescent] | |
| Nominal lifetime | 50,000 hour(s) | |
| Switching Cycle | 200,000 | |
| Lighting Technology | LED | |
| Flux measurement reference | Sphere | |
| EU RoHS compliant | Yes | |
| Light Technical | | |
| Color Code | 830 [CCT of 3000K] | |
| Beam Angle (Nom) | | 240 degree(s) |
| Luminous Flux | | 1,700 lm |
| Color Designation | | White (WH) |
| Correlated Color Temperature (Nom) | | 3000 K |
| Luminous Efficacy (rated) (Nom) | | 109 lm/W |
| Color Consistency | | <6 |
| Color rendering index (CRI) | | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | | 70 % |
| Flickering value (PstLM) | | 1 |
| Stroboscopic effect value (SVM) | | 0.9 |

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|--|-----------------|
| Photobiological safety according to EN 62471 RG0 | |
| Operating and Electrical | |
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 15.5 W |
| Lamp Current (Nom) | 84 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 |
| LED alternative to fluorescent lamp power | 36 W |
| Temperature | |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 60 °C |
| Controls and Dimming | |
| Dimmable | No |
| Mechanical and Housing | |
| Bulb Finish | Frosted |
| Bulb Material | Glass |

| | |
|---------------------------------|--|
| Product Length | 1,200 mm |
| Bulb Shape | T8 |
| Approval and Application | |
| Energy Efficiency Class | F |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance CE marking KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 16 kWh |
| EPREL Registration Number | 1384733 |
| Product Data | |
| Order product name | CorePro LEDtube 1200mm 15.5W 830 T8 |
| Full product name | CorePro LEDtube 1200mm 15.5W 830 T8 |
| Full product code | 871951448640900 |
| Order code | 929003577232 |
| Material Nr. (12NC) | 929003577232 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514486409 |
| Numerator - Packs per outer box | 20 |
| EAN/UPC - Case | 8719514486416 |

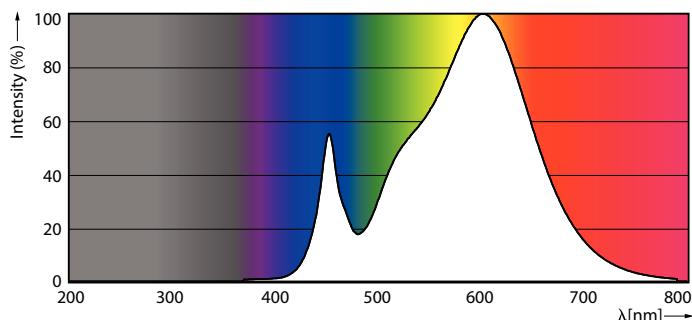
Dimensional drawing



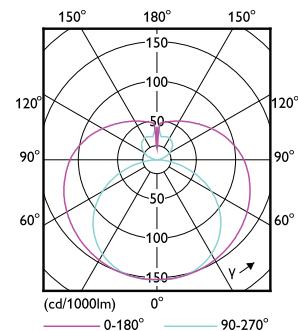
| Product | D1 | D2 | A1 | A2 | A3 |
|-------------------------------------|---------|-------|----------|----------|----------|
| CorePro LEDtube 1200mm 15.5W 830 T8 | 25.7 mm | 28 mm | 1,198 mm | 1,205 mm | 1,212 mm |

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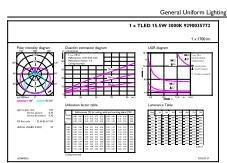
Photometric data



Spectral Power Distribution Colour

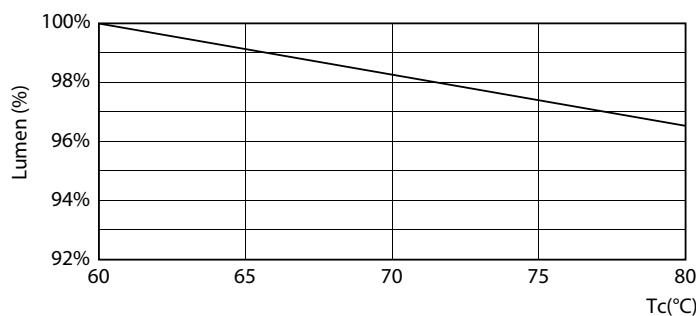


Light Distribution Diagram - CorePro LEDtube 1200mm 15.5W 830 T8

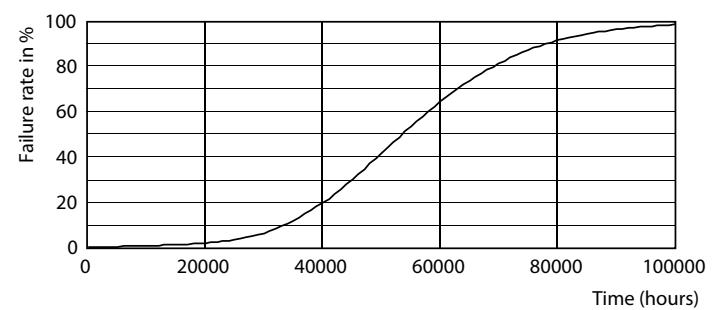


General uniform lighting - CorePro LEDtube 1200mm 15.5W 830 T8

Lifetime



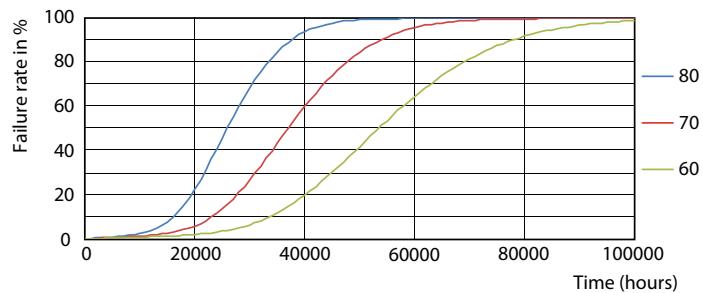
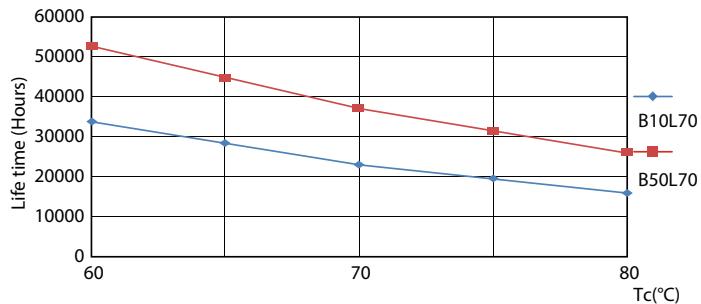
Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 830 T8



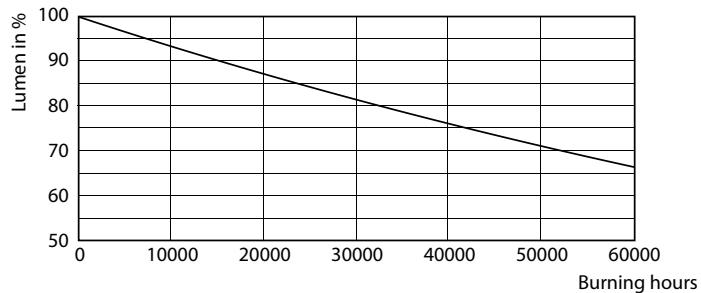
Life Expectancy Diagram - CorePro LEDtube 1200mm 15.5W 830 T8

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Lifetime



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Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 830 T8

