



# CorePro LEDtube EM/ Mains T8



## CorePro LEDtube 600mm 8W 830 T8

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] | Beam Angle (Nom)                      | 240 °      |
| EU RoHS compliant          | Yes                              | Luminous Flux (Nom)                   | 750 lm     |
| Nominal Lifetime (Nom)     | 30000 h                          | Color Designation                     | White (WH) |
| Switching Cycle            | 200000X                          | Correlated Color Temperature (Nom)    | 3000 K     |
| Flux measurement reference | Sphere                           | Luminous Efficacy (rated) (Nom)       | 93 lm/W    |
| Tier                       | CorePro                          | Color Consistency                     | <6         |
|                            |                                  | Color Rendering Index (Nom)           | 80         |
|                            |                                  | LLMF At End Of Nominal Lifetime (Nom) | 70 %       |
| Light technical            |                                  |                                       |            |
| Color Code                 | 830 [ CCT of 3000K]              |                                       |            |

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| Operating and electrical        |             |
|---------------------------------|-------------|
| Input Frequency                 | 50 to 60 Hz |
| Power (Nom)                     | 8 W         |
| Lamp Current (Nom)              | 46 mA       |
| Wattage Equivalent              | 18 W        |
| Starting Time (Nom)             | 0.5 s       |
| Warm Up Time to 60% Light (Nom) | 0.5 s       |
| Power Factor (Nom)              | 0.9         |
| Voltage (Nom)                   | 220-240 V   |

| Temperature          |        |
|----------------------|--------|
| T-Ambient (Max)      | 45 °C  |
| T-Ambient (Min)      | -20 °C |
| T-Storage (Max)      | 65 °C  |
| T-Storage (Min)      | -40 °C |
| T-Case Maximum (Nom) | 50 °C  |

| Controls and dimming |    |
|----------------------|----|
| Dimmable             | No |

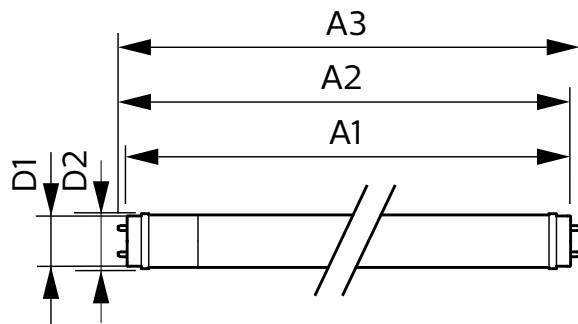
| Mechanical and housing |         |
|------------------------|---------|
| Bulb Finish            | Frosted |
| Bulb Material          | Glass   |

|                |                    |
|----------------|--------------------|
| Product Length | 600 mm             |
| Bulb Shape     | Tube, double-ended |

| 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 | 8 kWh  |
| EPREL Registration Number     | 1288990  |

| Product data                    |                                 |
|---------------------------------|---------------------------------|
| Full product code               | 871951448638600                 |
| Order product name              | CorePro LEDtube 600mm 8W 830 T8 |
| EAN/UPC - Product               | 8719514486386                   |
| Order code                      | 929003577132                    |
| Numerator - Quantity Per Pack   | 1                               |
| Numerator - Packs per outer box | 20                              |
| Material Nr. (12NC)             | 929003577132                    |
| Net Weight (Piece)              | 0.220 kg                        |

## Dimensional drawing

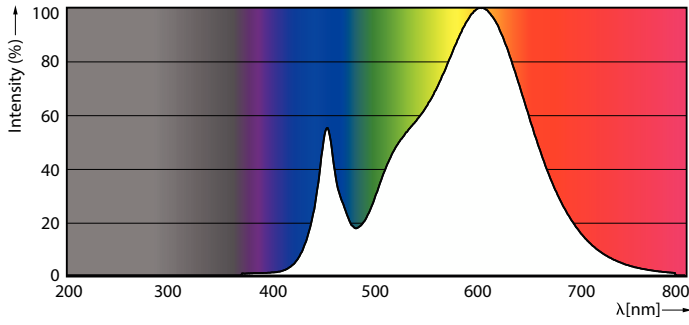


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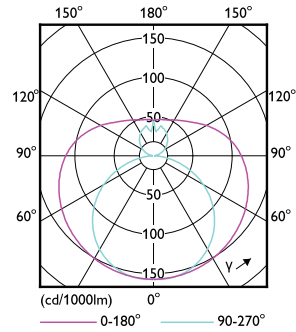
| Product                         | D1      | D2    | A1       | A2       | A3       |
|---------------------------------|---------|-------|----------|----------|----------|
| CorePro LEDtube 600mm 8W 830 T8 | 25.7 mm | 28 mm | 588.5 mm | 595.5 mm | 602.5 mm |

# CorePro LEDtube EM/Mains T8

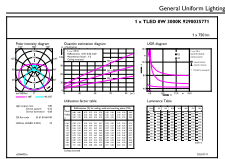
## Photometric data



Spectral Power Distribution Colour



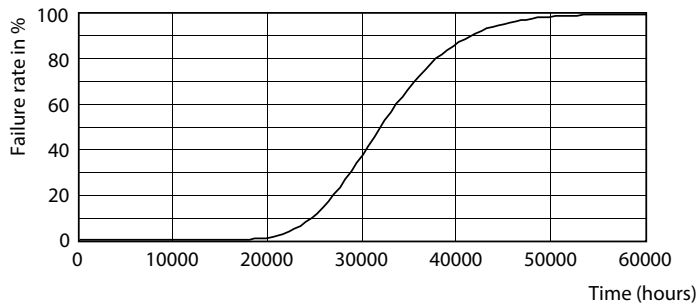
Light Distribution Diagram



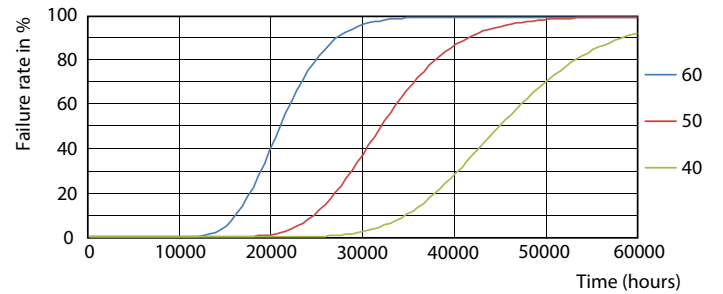
Standard Performance LED High Lighting 3000lm 4pin T8

General uniform lighting

## Lifetime



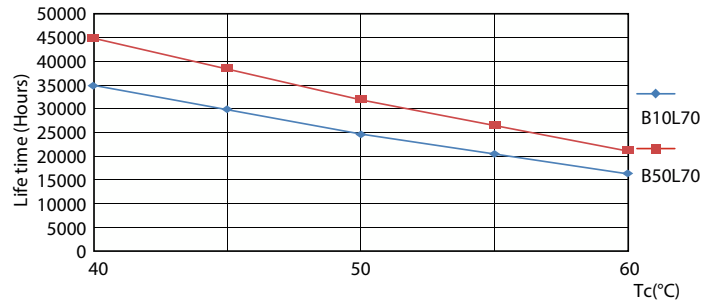
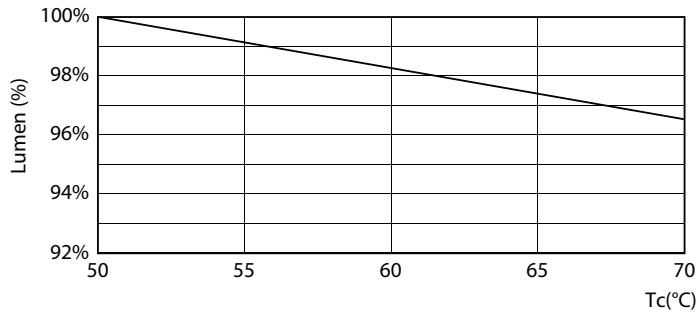
Life Expectancy Diagram



FailureRate

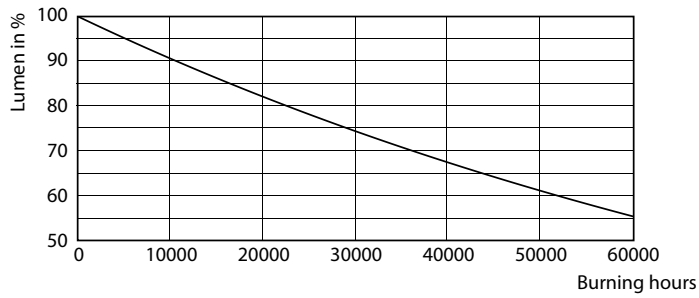
# CorePro LEDtube EM/Mains T8

## Lifetime



LumenVsTc

LifetimeVsTc



Lumen Maintenance Diagram

