



# CorePro LED tube Universal T8



## CorePro LEDtube UN 1500mm HO 23W840 T8

The new Philips CorePro LEDtube Universal T8 brings simplicity to your lighting project. You can forget about the driver technology. Thanks to a unique design, the Philips CorePro LEDtube Universal T8 directly fits into luminaires operating either on Electro Magnetic ballasts, HF Electronic ballasts or mains power connections. So simple to operate and no need to carry double stock of products! Perfectly safe, reliable and easy to install, the Philips CorePro LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to save energy and reduce investment.

### Product data

| General Information                    |                                  | Operating and Electrical         |             |
|--|----------------------------------|----------------------------------|-------------|
| Cap base                               | G13 [ Medium Bi-Pin Fluorescent] | Input frequency                  | 50 to 60 Hz |
| EU RoHS compliant                      | Yes                              | Power (Rated) (Nom)              | 23 W        |
| Nominal lifetime (nom.)                | 30000 h                          | Lamp current (nom.)              | 130 mA      |
| Switching cycle                        | 50,000X                          | Starting time (nom.)             | 0.5 s       |
|  | Sphere                           | Warm-up time to 60% light (nom.) | 0.5 s       |
|  |                                  | Power factor (nom.)              | 0.9         |
|  |                                  | Voltage (Nom)                    | 220-240 V   |
| Light Technical                        |                                  | Temperature                      |             |
| Colour Code                            | 840 [ CCT of 4,000 K]            | T-ambient (max.)                 | 45 °C       |
| Technical Beam Angle (Nom)             | 240 °                            | T-ambient (min.)                 | -20 °C      |
| Lamp Luminous Flux 25°C EL (Nom)       | 2700 lm                          | T storage (max.)                 | 65 °C       |
| Colour Designation                     | Cool White (CW)                  | T storage (min.)                 | -40 °C      |
| Colour Temperature, horizontal (Nom)   | 4000 K                           | T-Case maximum (nom.)            | 60 °C       |
| Lamp Luminous Efficacy EM (Nom)        | 117.00 lm/W                      |                                  |             |
| Colour consistency                     | <6                               |                                  |             |
| Colour Rendering Index,horiz (Nom)     | 80                               |                                  |             |
| LLMF at end of nominal lifetime (nom.) | 70 %                             |                                  |             |

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## Controls and Dimming

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

## Mechanical and Housing

|                |                    |
|----------------|--------------------|
| Lamp Finish    | Frosted            |
| Bulb material  | Glass              |
| Product length | 1500 mm            |
| Bulb shape     | Tube, double-ended |

## Approval and Application

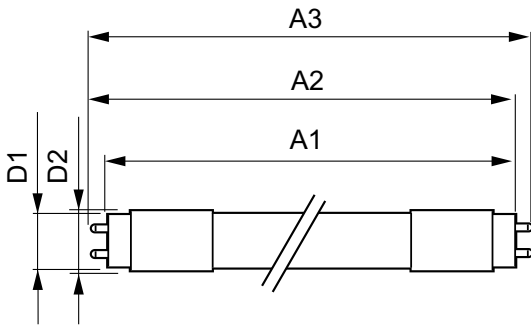
|                         |  |
|-------------------------|--|
| Energy Efficiency Class | E  |
| Energy-saving product   | Yes  |
| Approval marks          | TUV  |
| Approval marks          | RoHS compliance CE marking KEMA Keur certificate |

|                                    |        |
|------------------------------------|--------|
| Energy consumption kWh/1,000 hours | 23 kWh |
|                                    | 403584 |

## Product Data

|                                   |  |
|-----------------------------------|--|
| Full product code                 | 871869680174100                        |
| Order product name                | CorePro LEDtube UN 1500mm HO 23W840 T8 |
| EAN/UPC – product                 | 8718696801741                          |
| Order code                        | 929001869602                           |
| SAP numerator – quantity per pack | 1                                      |
| Numerator – packs per outer box   | 10                                     |
| SAP material                      | 929001869602                           |
| SAP net weight (piece)            | 0.270 kg                               |

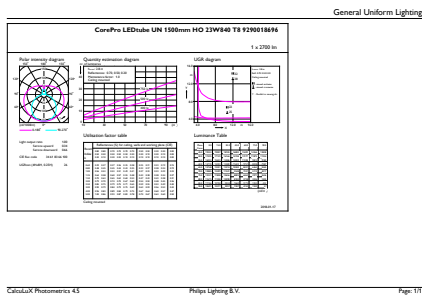
## Dimensional drawing



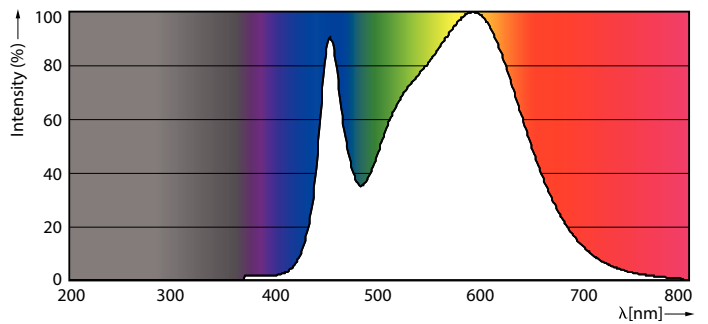
TLED 1500mm UNV24W-54W 3100lm 4000K

| Product                                | D1      | D2    | A1      | A2        | A3        |
|--|---------|-------|---------|-----------|-----------|
| CorePro LEDtube UN 1500mm HO 23W840 T8 | 27.9 mm | 28 mm | 1500 mm | 1505.9 mm | 1514.2 mm |

## Photometric data



23W G13 840 4000K



18W G13

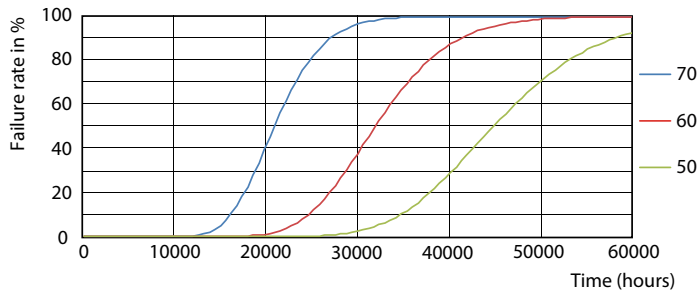
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## Photometric data

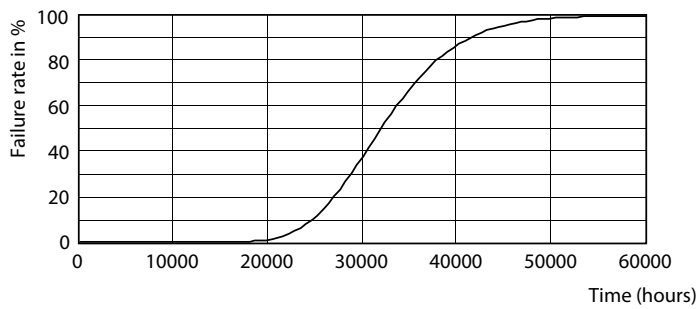


18W G13 830 3000K

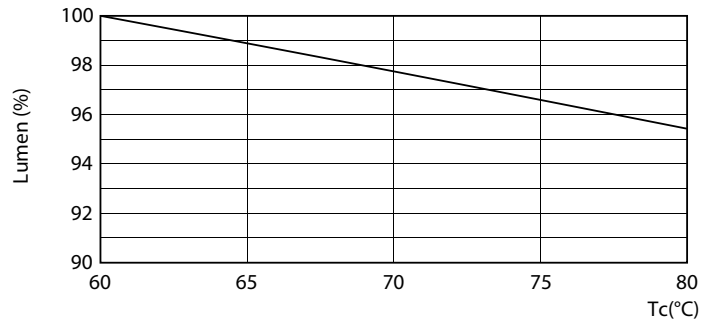
## Lifetime



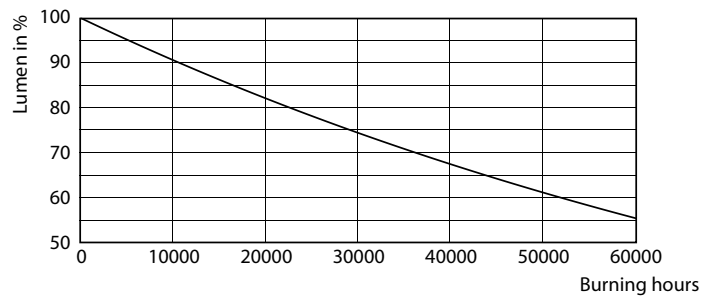
LEDtube COR SLR 23W 30K FailureRate-LED-LED



18W G13



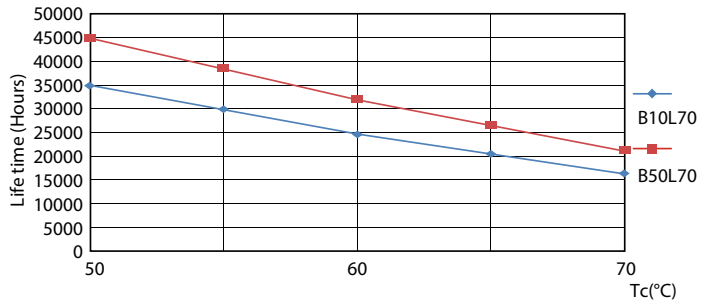
LEDtube COR SLR 23W 30K LumenVsTc-LMP-LMP



18W G13

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## Lifetime



LEDtube COR SLR 23W 30K LifetimeVsTc-LED-LED

