PHILIPS

## CorePro LEDtube 600mm 8W 830 T8

929003577132




# CorePro, LEDtube, T8, EM/Mains, 600 mm, 8 W, 18W TL-D, 3000 K, 750 lm, CRI 80, 50000 hour(s)




CorePro, LEDtube, T8, EM/Mains, 600 mm, 8 W, LED alternative to 18W TL-D, 3000 K, 750 lm, CRI 80, 50000 hour(s), 93 lm/W, EEL F, G13, Beam angle 240 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

## 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.

## General Information

| | |
|---|---|
| Cap-Base | G13 |
| Nominal lifetime | 50,000 hour(s) |
| Switching Cycle | 200,000 |
| Lighting Technology | LEDtube |
| Flux measurement reference | Sphere |
| Warranty period | 3 years |

| | |
|---|---|
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 93 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Photobiological safety according to EN 62471 | RG0 |

## Light Technical

| | |
|---|---|
| Color Code | 830 [CCT of 3000K] |
| Beam Angle (Nom) | 240 degree(s) |
| Luminous Flux | 750 lm |
| Color Designation | White (WH) |

## Operating and Electrical

| | |
|---|---|
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 8 W |
| Lamp Current (Nom) | 46 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 | 18W TL-D |
| Inrush current at mains | 4.27 |
| Max. lamp no. on MCB B type 10A - Mains | 119 |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | 154 |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor. | 24 |
| Max. lamp no. on MCB B type 16A - Mains | 191 |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | 246 |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor. | 39 |
| Ballast Compatibility | EM/Mains |

## Temperature

| | |
|---|---|
| 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 | T8 |
| Net Weight (Piece) | 0.220 kg |

## Approval and Application

| | |
|---|---|
| Energy Efficiency Class | F |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance |
| Energy Consumption kWh/1000 h | 8 kWh |
| EPREL Registration Number | 1827708 |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Ambient temperature range | -20 to +45 °C |

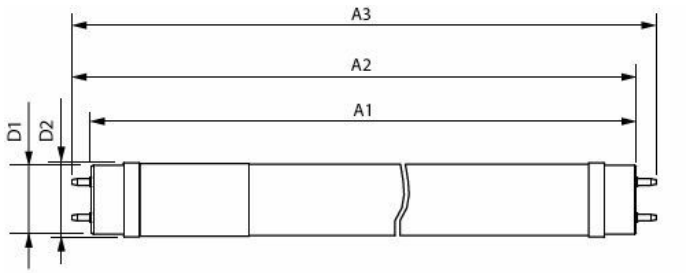
## Application Conditions

| | |
|---|---|
| can it be used in closed luminaires | Yes |
| Wireless Technology | Not applicable |

## Product Data

| | |
|---|---|
| Order product name | CorePro LEDtube 600mm 8W 830 T8 |
| Full product name | CorePro LEDtube 600mm 8W 830 T8 |
| Full product code | 871951448638600 |
| Order code | 929003577132 |
| Material Nr. (12NC) | 929003577132 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514486386 |
| Numerator - Packs per outer box | 20 |
| EAN/UPC - Case | 8719514486393 |

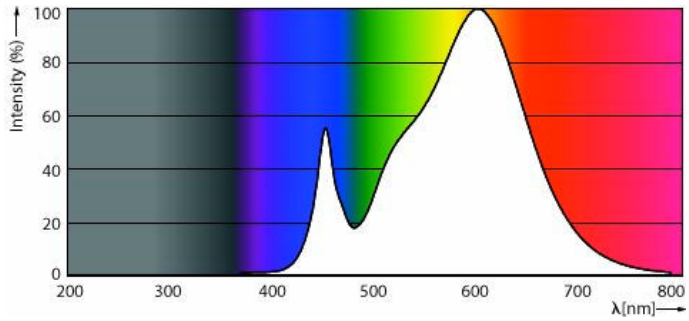
## Dimensional drawing



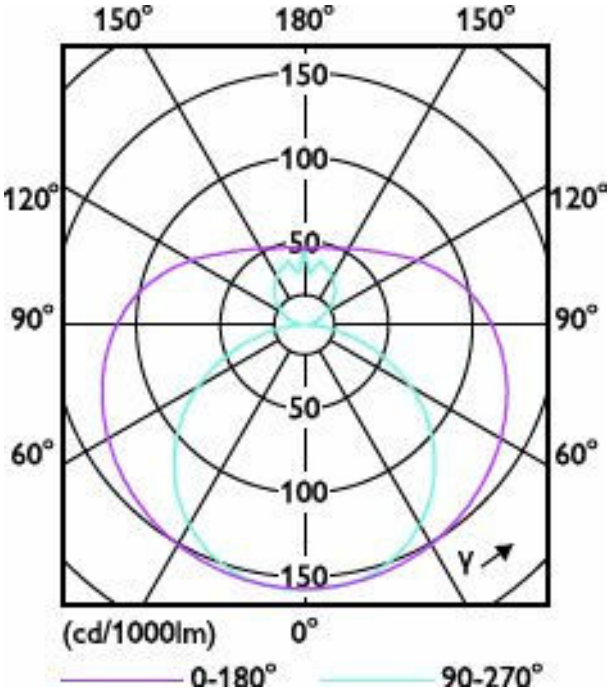

| D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|
| 25.7mm | 28mm | 588.5mm | 595.5mm | 602.5mm |

| Product |
|---|
| CorePro LEDtube 600mm 8W 830 T8 |

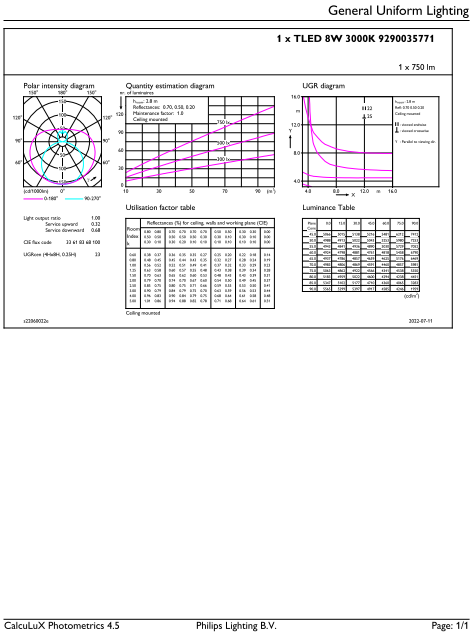
## Photometric data




Spectral Power Distribution Colour - CorePro LEDtube 600mm 8W 830 T8

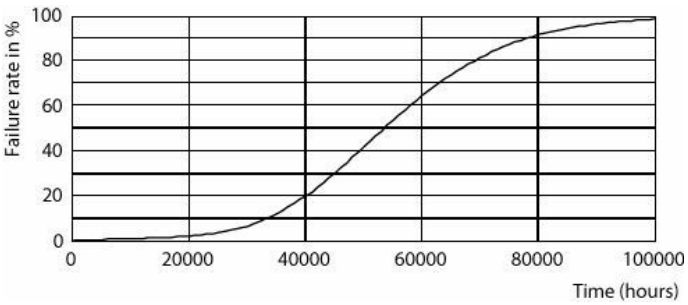



Light Distribution Diagram - CorePro LEDtube 600mm 8W 830 T8

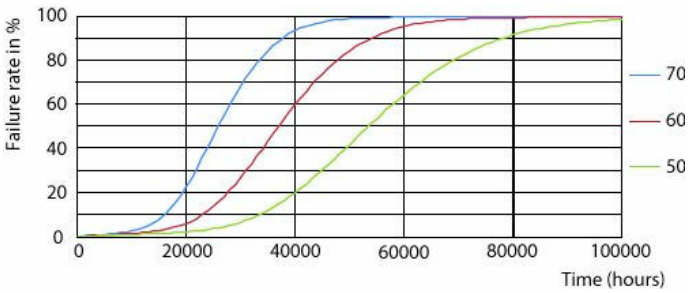



General uniform lighting - CorePro LEDtube 600mm 8W 830 T8

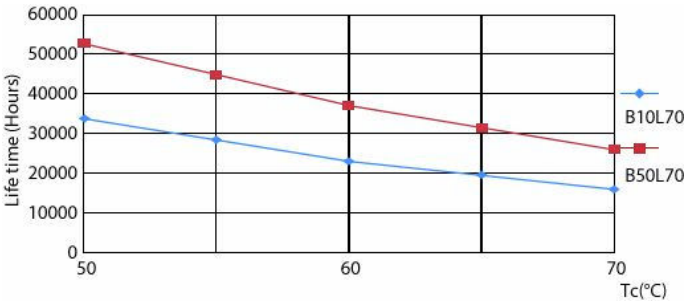
## Lifetime



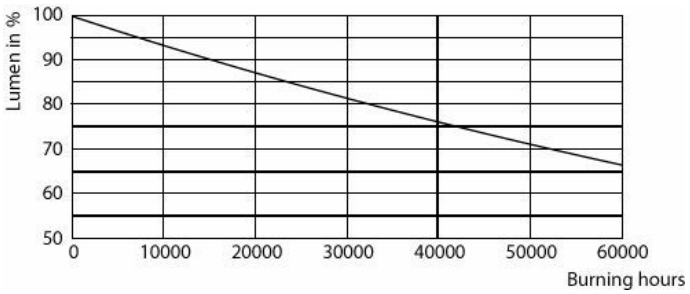

Life Expectancy Diagram




FailureRate




LifetimeVsTc




Lumen Maintenance Diagram - CorePro LEDtube 600mm 8W 830 T8

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-Philips-CorePro-LEDtube-EM-Mains-T8-COMF-1367-Ref-929003547202-EPD.pdf | Download |
| Installation Instructions | online-QIG-for-324166183191-Corepro-LEDtube-INI.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | LEDtube_COR_EU3_8W_G13_750lm_830-IES.IES | Download |

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