



# CorePro LED tube Universal T8



## CorePro LEDtube UN 600mm HO 8W840 T8

CorePro, LEDtube, T8, Universal, 600 mm, 8 W, 18W TL-D, 4000 K, 900 lm, CRI 80, 50000 hour(s)

CorePro, LEDtube, T8, Universal, 600 mm, 8 W, LED alternative to 18W TL-D, 4000 K, 900 lm, CRI 80, 50000 hour(s), 112 lm/W, EEL E, G13, Beam angle 240 degree(s), Glass, 600 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

### Product data

| General Information                   |                    |
|---------------------------------------|--------------------|
| Cap-Base                              | G13                |
| Nominal lifetime                      | 50,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LEDtube            |
| Flux measurement reference            | Sphere             |
| Warranty period                       | 3 years            |
| Light Technical                       |                    |
| Color Code                            | 840 [CCT of 4000K] |
| Beam Angle (Nom)                      | 240 degree(s)      |
| Luminous Flux                         | 900 lm             |
| Color Designation                     | Cool White (CW)    |
| Correlated Color Temperature (Nom)    | 4000 K             |
| Luminous Efficacy (rated) (Nom)       | 112 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         |
|------------------------------------------------------------------------------|-------------|
| Operating and Electrical                                                     |             |
| Line Frequency                                                               | 50 to 60 Hz |
| Input Frequency                                                              | 50 to 60 Hz |
| Power Consumption                                                            | 8 W         |
| Lamp Current (Nom)                                                           | 40 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                                                      | 4.4         |
| Max. lamp no. on MCB B type 10A - Mains                                      | 176         |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | 242         |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.    | 20          |

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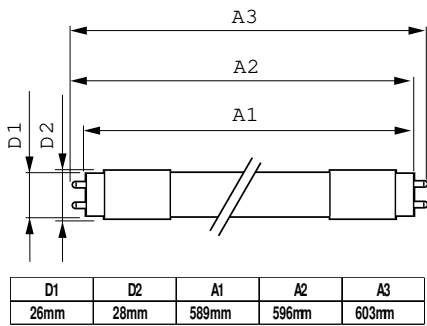
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|------------------------------------------------------------------------------|-----------------------------------------------------|
| Max. lamp no. on MCB B type 16A – Mains                                      | 281                                                 |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | 388                                                 |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.    | 35                                                  |
| Ballast Compatibility                                                        | Universal                                           |
| Temperature                                                                  |                                                     |
| T-Case Maximum (Nom)                                                         | 45 °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)                                                           | 0.110 kg                                            |
| Approval and Application                                                     |                                                     |
| Energy Efficiency Class                                                      | E                                                   |
| Energy Saving Product                                                        | Yes                                                 |
| Approval Marks                                                               | RoHS compliance CE marking<br>KEMA Keur certificate |
| Energy Consumption kWh/1000 h                                                | 8 kWh                                               |

|                                                                 |               |
|-----------------------------------------------------------------|---------------|
| EPREL Registration Number                                       | 1932580       |
| 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 UN 600mm HO 8W840 T8 |
| Full product name               | CorePro LEDtube UN 600mm HO 8W840 T8 |
| Full product code               | 871869978279500                      |
| Order code                      | 929002419902                         |
| Material Nr. (12NC)             | 929002419902                         |
| Numerator – Quantity Per Pack   | 1                                    |
| EAN/UPC – Product/Case          | 8718699782795                        |
| Numerator – Packs per outer box | 10                                   |
| EAN/UPC – Case                  | 8718699782801                        |

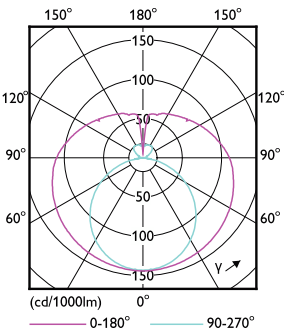
Dimensional drawing



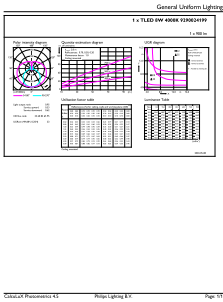
| Product                              | D1    | D2    | A1     | A2     | A3     |
|--------------------------------------|-------|-------|--------|--------|--------|
| CorePro LEDtube UN 600mm HO 8W840 T8 | 26 mm | 28 mm | 589 mm | 596 mm | 603 mm |

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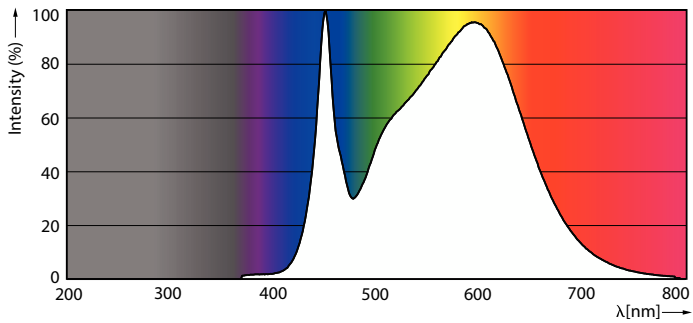
Photometric data



Light Distribution Diagram - CorePro LEDtube UN 600mm HO 8W840 T8

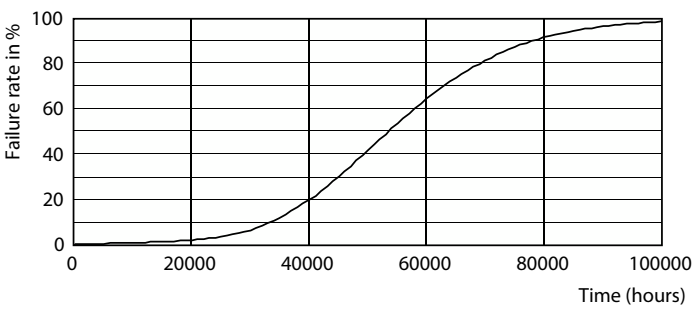


General uniform lighting - CorePro LEDtube UN 600mm HO 8W840 T8

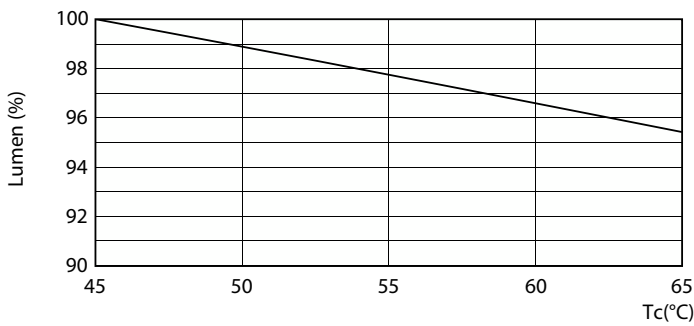


Spectral Power Distribution Colour - CorePro LEDtube UN 600mm HO 8W840 T8

Lifetime



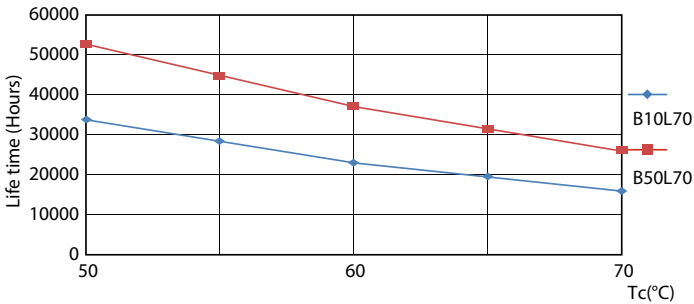
Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LEDtube UN 600mm HO 8W840 T8

CorePro LED tube Universal T8

Lifetime



FailureRate



LifetimeVsTc

Lumen Maintenance Diagram - CorePro LEDtube UN 600mm HO 8W840 T8

