



# 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 degree(s)
Nominal lifetime	50,000 hour(s)	Luminous Flux	750 lumen
Switching Cycle	200,000	Color Designation	White (WH)
Lighting Technology	LED	Correlated Color Temperature (Nom)	3000 K
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	93 lm/W
EU RoHS compliant	Yes	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

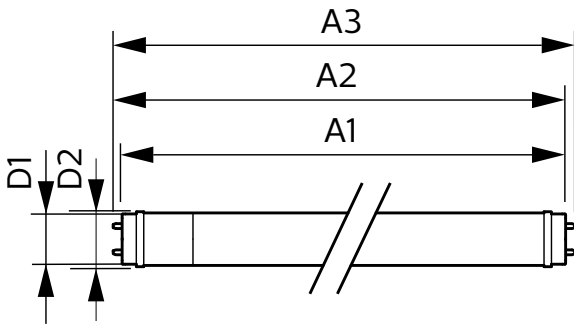
# CorePro LEDtube EM/Mains T8

Photobiological safety according to EN 62471 RG0	
<b>Operating and Electrical</b>	
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	18 W
<b>Temperature</b>	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Glass

Product Length	600 mm
Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
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	1384735

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

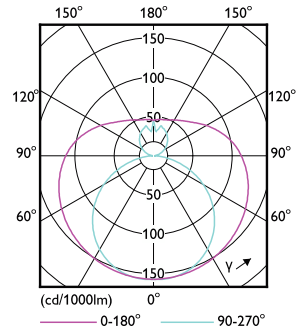
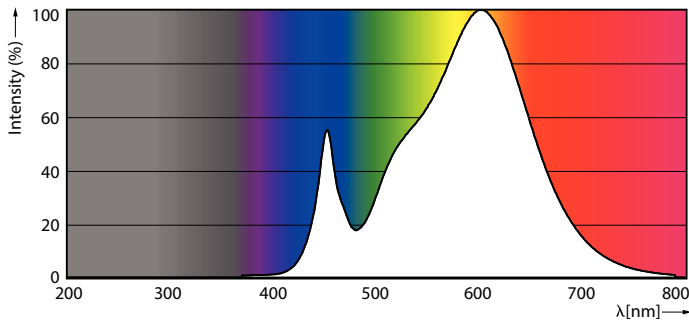
## Dimensional drawing



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

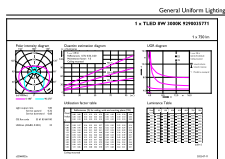
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## Photometric data



Spectral Power Distribution Colour

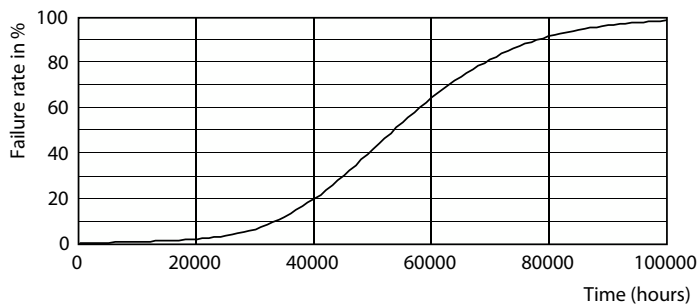
Light Distribution Diagram - CorePro LEDtube 600mm 8W 830 T8



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

## Lifetime

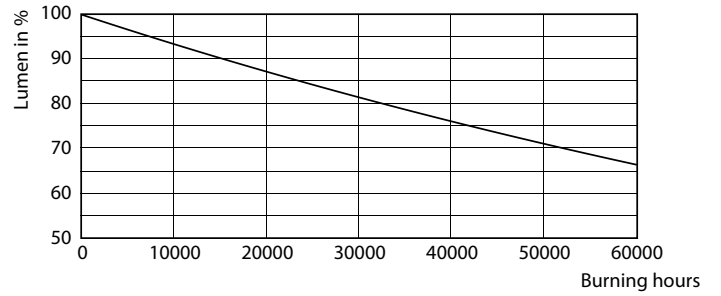


Life Expectancy Diagram - CorePro LEDtube 600mm 8W 830 T8

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# CorePro LEDtube EM/Mains T8

## Lifetime



Life Expectancy Diagram - CorePro LEDtube 600mm 8W 830 T8

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

