



# CorePro LEDtube EM/ Mains T8



## CorePro LEDtube 600mm HO 8W 865 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)	900 lm
Nominal Lifetime (Nom)	30000 h	Color Designation	Cool Daylight
Switching Cycle	200000X	Correlated Color Temperature (Nom)	6500 K
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	112 lm/W
Tier	CorePro	Color Consistency	<6
		Color Rendering Index (Nom)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light technical			
Color Code	865 [ CCT of 6500K]		

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Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	8 W
Lamp Current (Max)	42 mA
Lamp Current (Min)	42 mA
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)	45 °C

Controls and dimming	
Dimmable	No

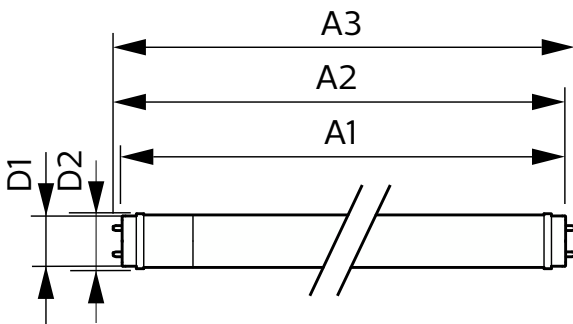
Mechanical and housing	
Bulb Finish	Frosted
Bulb Material	Glass

Product Length	600 mm
Bulb Shape	Tube, double-ended

Approval and application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1037553

Product data	
Full product code	871951442105900
Order product name	CorePro LEDtube 600mm HO 8W 865 T8
EAN/UPC - Product	8719514421059
Order code	929003158702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929003158702
Net Weight (Piece)	0.120 kg

## Dimensional drawing

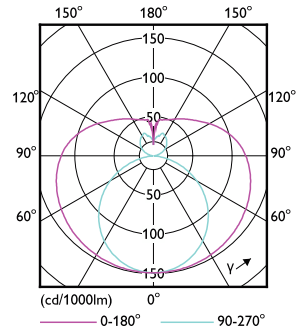
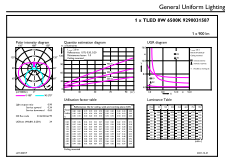


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Product	D1	D2	A1	A2	A3
CorePro LEDtube 600mm HO 8W 865 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

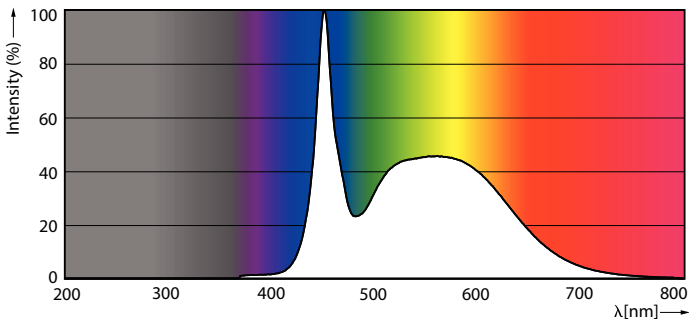
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## Photometric data



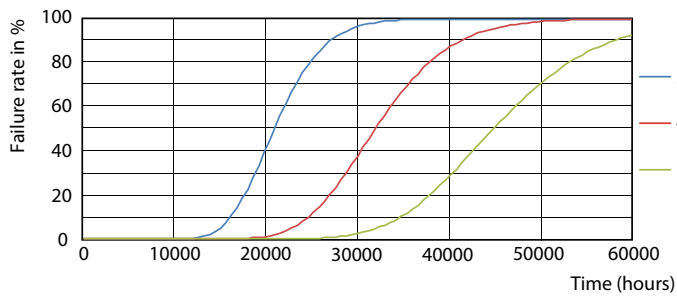
General uniform lighting

Light Distribution Diagram

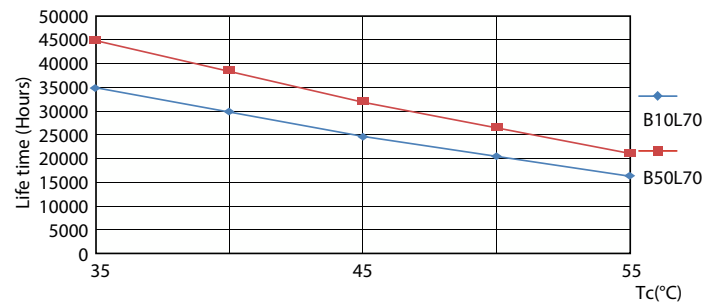


Spectral Power Distribution Colour

## Lifetime



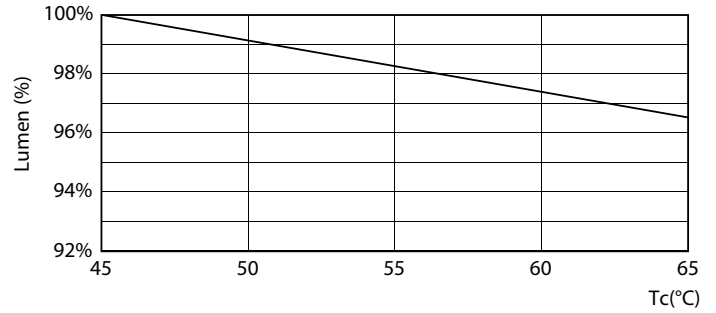
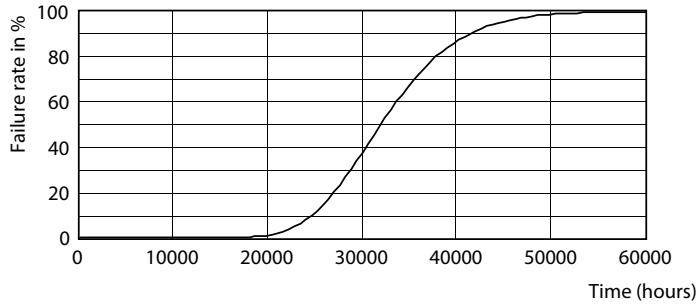
FailureRate



LifetimeVsTc

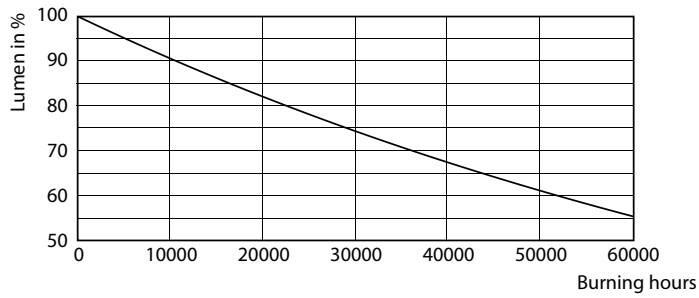
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## Lifetime



Life Expectancy Diagram

LEDtube COR EU 8W 30K LumenVsTc-LMP



Lumen Maintenance Diagram

