



CorePro LEDtube EM/ Mains T8



CorePro LEDtube 1200mm HO 18W 830 T8

Philips CorePro LEDtubes are the quick and easy way to replace T8 fluorescent or other LED tubes with a fast pack 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

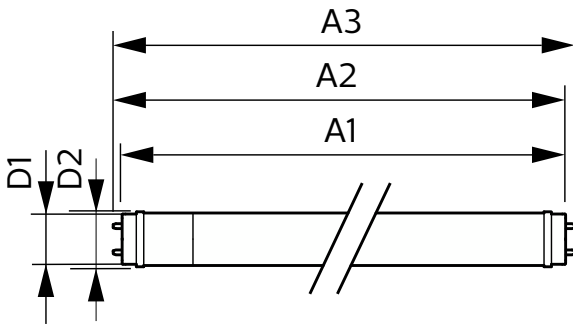
General Information			
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Beam Angle (Nom)	240 degree(s)
Nominal lifetime	50,000 hour(s)	Luminous Flux	1,850 lumen
Switching Cycle	200,000	Color Designation	White (WH)
Lighting Technology	LED	Correlated Color Temperature (Nom)	3000 K
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	102 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

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Photobiological safety according to EN 62471 RGO	
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	90 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	36 W
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm

Bulb Shape	Tube, double-ended
Approval and Application	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1384732
Product Data	
Full product code	871951448646100
Order product name	CorePro LEDtube 1200mm HO 18W 830 T8
Order code	929003577532
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929003577532
Full product name	CorePro LEDtube 1200mm HO 18W 830 T8
EAN/UPC - Case	8719514486478
EAN/UPC - Product/Case	8719514486461

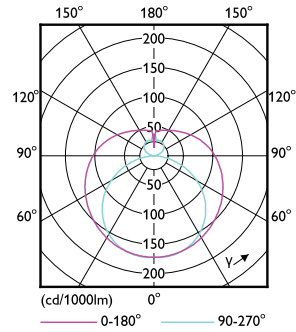
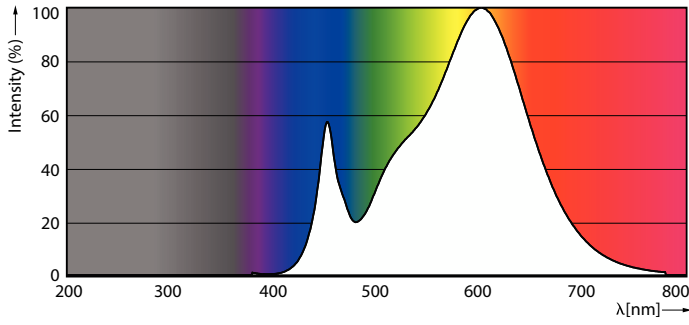
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm HO 18W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

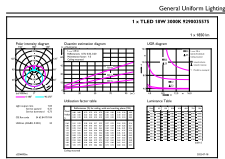
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Photometric data



Spectral Power Distribution Colour

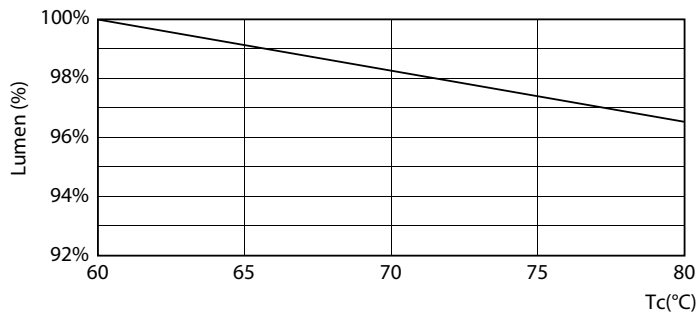
Light Distribution Diagram - CorePro LEDtube 1200mm HO 18W 830 T8



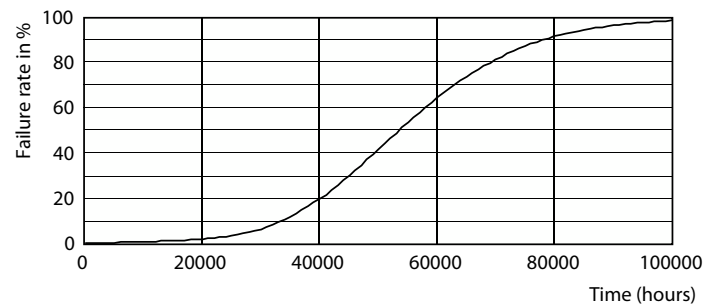
General Uniform Lighting
 1 - T8 LED LOW VOLTAGE PRODUCTS
 Philips Lighting BV
 Philips Lighting BV
 Philips Lighting BV

General uniform lighting - CorePro LEDtube 1200mm HO 18W 830 T8

Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm HO 18W 830 T8



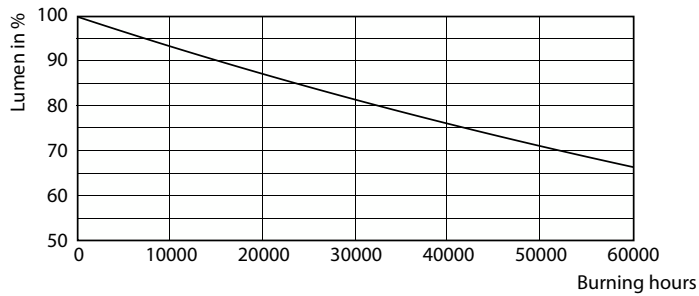
Life Expectancy Diagram - CorePro LEDtube 1200mm HO 18W 830 T8

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