PHILIPS Lighting

CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1500mm 20W 865 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

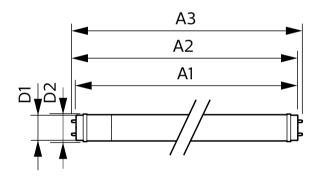
General Information		Luminous Flux	2,200 lumen
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color Designation	Cool Daylight
Nominal lifetime	50,000 hour(s)	Correlated Color Temperature (Nom)	6500 K
Switching Cycle	200,000	Luminous Efficacy (rated) (Nom)	110 lm/W
Lighting Technology	LED	Color Consistency	<6
Flux measurement reference	Sphere	Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (No	m) 70 %
Light Technical			
Color Code	865 [CCT of 6500K]	Operating and Electrical	
Beam Angle (Nom)	240 degree(s)	Line Frequency	50 to 60 Hz

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Input Frequency	50 to 60 Hz		
Power Consumption	20 W		
Lamp Current (Nom)	105 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		
Temperature			
Ambient temperature range	-20 °C to 45 °C		
T-Case Maximum (Nom)	60 ℃		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Glass		
Product Length	1,500 mm		
Bulb Shape	Tube, double-ended		

Approval and Application			
Energy Saving Product	Yes		
Approval Marks	RoHS compliance CE marking KEMA Keur		
	certificate		
Energy Consumption kWh/1000 h	20 kWh		
EPREL Registration Number	1,384,730		
CE mark	Yes		
EU RoHS compliant	Yes		
Product Data			
Full product code	871951445983000		
Order product name	CorePro LEDtube 1500mm 20W 865 T8		
Order code	929003547502		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	20		
Material number (12NC)	929003547502		
Full product name	CorePro LEDtube 1500mm 20W 865 T8		
EAN/UPC - Case	8719514459847		

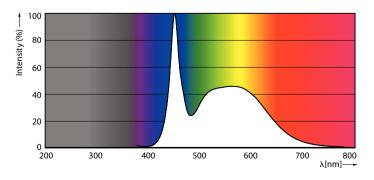
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1500mm 20W	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
865 T8					

Photometric data

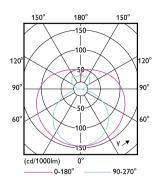
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Spectral Power Distribution Colour - CorePro LEDtube 1500mm 20W 865 T8

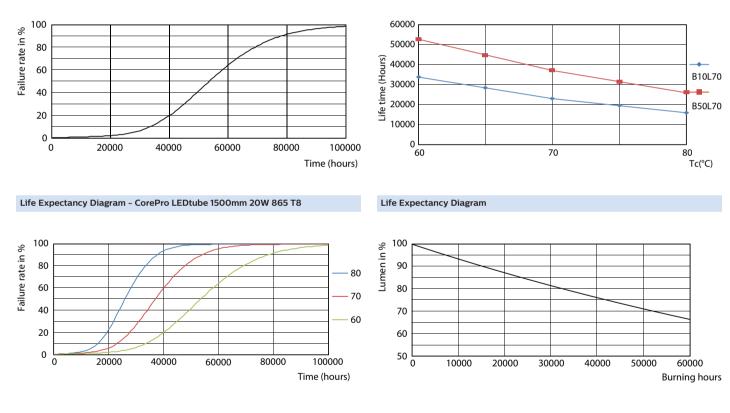
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Photometric data



Light Distribution Diagram - CorePro LEDtube 1500mm 20W 865 T8

Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - CorePro LEDtube 1500mm 20W 865 T8

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www.lighting.philips.com 2023, May 16 - data subject to change