PHILIPS Lighting

CorePro LEDtube EM/ Mains T8

CorePro LEDtube 1200mm 16W 865 T8 MY

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		Color Designation	Cool Daylight
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Correlated Color Temperature (Nom)	6500 K
EU RoHS compliant	Yes	Luminous Efficacy (rated) (Nom)	112.00 lm/W
Nominal Lifetime (Nom)	30000 h	Color Consistency	<6
Switching Cycle	200000X	Color Rendering Index (Nom)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light technical			
Color Code	865 [CCT of 6500K]	Operating and electrical	
Beam Angle (Nom)	240 °	Input Frequency	50 to 60 Hz
Luminous Flux (Nom)	1800 lm	Power (Nom)	16 W

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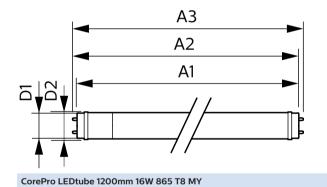
amp Current (Min) 88 mA Starting Time (Nom) 0.5 s Varm Up Time to 60% Light (Nom) 0.5 s Power Factor (Nom) 0.9 Yoltage (Nom) 220-240 V Temperature -Ambient (Max) 45 °C -Ambient (Min) -20 °C -Storage (Max) 65 °C -Storage (Min) -40 °C -Case Maximum (Nom) 50 °C		
Starting Time (Nom) 0.5 s Varm Up Time to 60% Light (Nom) 0.5 s Power Factor (Nom) 0.9 Yoltage (Nom) 220-240 V Temperature -Ambient (Max) 45 °C -Ambient (Min) -20 °C -Storage (Max) 65 °C -Storage (Min) -40 °C -Case Maximum (Nom) 50 °C	Lamp Current (Max)	88 mA
Varm Up Time to 60% Light (Nom) 0.5 s Power Factor (Nom) 0.9 Voltage (Nom) 220-240 V Cemperature - Ambient (Max) 45 °C Ambient (Min) -20 °C Storage (Max) 65 °C Storage (Max) 65 °C Storage (Min) -40 °C Case Maximum (Nom) 50 °C Controls and dimming No	Lamp Current (Min)	88 mA
Power Factor (Nom) 0.9 Yoltage (Nom) 220-240 V Femperature - -Ambient (Max) 45 °C -Ambient (Min) -20 °C -Storage (Max) 65 °C -Storage (Min) -40 °C -Case Maximum (Nom) 50 °C	Starting Time (Nom)	0.5 s
Foldage (Nom) 220-240 V Cemperature 220-240 V C-Ambient (Max) 45 °C C-Ambient (Min) -20 °C C-Storage (Max) 65 °C C-Storage (Min) -40 °C C-Case Maximum (Nom) 50 °C Controls and dimming No	Warm Up Time to 60% Light (Nom)	0.5 s
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) 50 °C Tortrols and dimming Dimmable No	Power Factor (Nom)	0.9
-Ambient (Max) 45 °C -Ambient (Min) -20 °C -Storage (Max) 65 °C -Storage (Min) -40 °C -Case Maximum (Nom) 50 °C	Voltage (Nom)	220-240 V
-Ambient (Max) 45 °C -Ambient (Min) -20 °C -Storage (Max) 65 °C -Storage (Min) -40 °C -Case Maximum (Nom) 50 °C		
Ambient (Min) -20 °C Storage (Max) 65 °C Storage (Min) -40 °C Case Maximum (Nom) 50 °C	Temperature	
-Storage (Max) 65 °C -Storage (Min) -40 °C -Case Maximum (Nom) 50 °C Controls and dimming No	T-Ambient (Max)	45 °C
-40 °C -case Maximum (Nom) 50 °C	T-Ambient (Min)	-20 °C
Case Maximum (Nom) 50 °C Controls and dimming Dimmable No	T-Storage (Max)	65 ℃
Controls and dimming Dimmable No	T-Storage (Min)	-40 °C
Dimmable No	T-Case Maximum (Nom)	50 °C
Dimmable No		
	Controls and dimming	
Mechanical and housing	Dimmable	No
Mechanical and housing		
	Mechanical and housing	

Frosted

Bulb Material	Glass				
Product Length	1200 mm				
Bulb Shape	Tube, double-ended				
Approval and application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance KEMA Keur certificate				
Product data					
Full product code	871951444727100				
Order product name	CorePro LEDtube 1200mm 16W 865 T8 M				
EAN/UPC - Product	8719514447271				
Order code	929003520437				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	20				
Material Nr. (12NC)	929003520437				
Net Weight (Piece)	0.200 kg				

Dimensional drawing

Bulb Finish



CorePro LEDtube 1200mm 16W	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm	
865 T8 MY						

D2

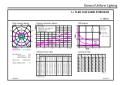
A1

A2

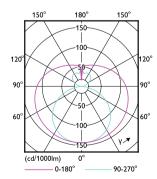
A3

D1

Photometric data



General uniform lighting

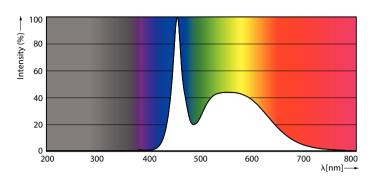


Product

Light Distribution Diagram

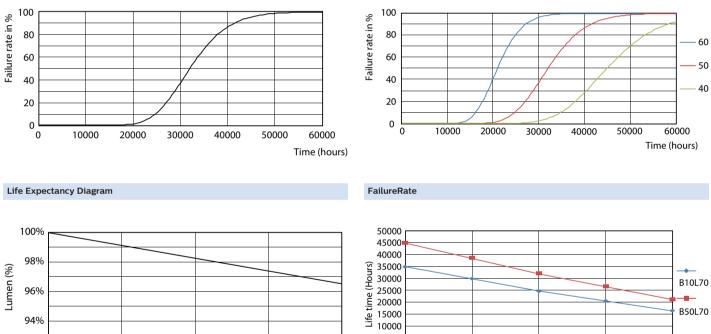
CorePro LEDtube EM/Mains T8

Photometric data

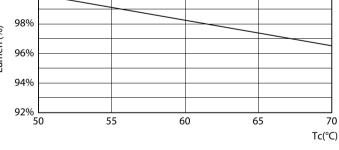


Spectral Power Distribution Colour

Lifetime



10000



Lumen Maintenance Diagram

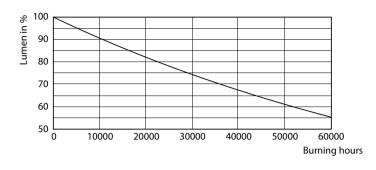
LEDtube_30K_4060_LifetimeVsTc-LED

50

60 Tc(°C)

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Lifetime



Lumen Maintenance Diagram



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