# **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

### **CorePro LEDtube EM/Mains T8**

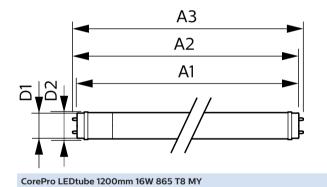
amp Current (Min)     88 mA       Starting Time (Nom)     0.5 s       Varm Up Time to 60% Light (Nom)     0.5 s       Power Factor (Nom)     0.9       Yoltage (Nom)     220-240 V         Temperature       -Ambient (Max)     45 °C       -Ambient (Min)     -20 °C       -Storage (Max)     65 °C       -Storage (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

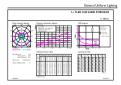
**A**1

A2

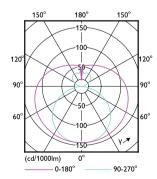
A3

D1

#### Photometric data



General uniform lighting

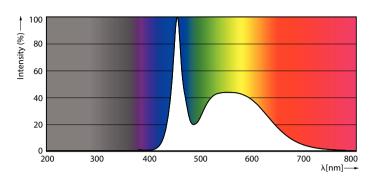


Product

Light Distribution Diagram

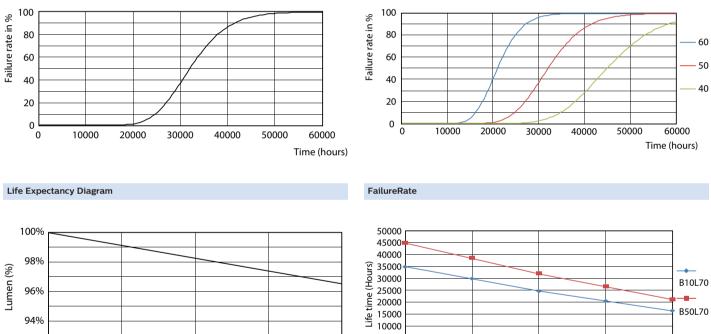
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Photometric data

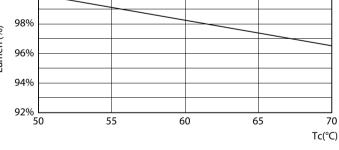


Spectral Power Distribution Colour

Lifetime



10000



Lumen Maintenance Diagram

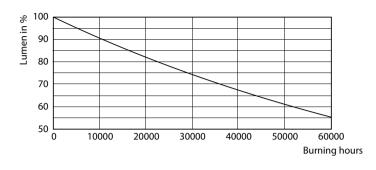
LEDtube\_30K\_4060\_LifetimeVsTc-LED

50

60 Tc(°C)

# **CorePro LEDtube EM/Mains T8**

Lifetime



Lumen Maintenance Diagram



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