



The affordable way to install or replace T8 LEDtubes

CorePro LEDtube EM/Mains 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.

Benefits

- Optimized energy savings – about 50% more than fluorescent alternatives
- Easy Installation – retrofit or rewire
- Same look and feel as fluorescent lamps
- Minimize maintenance costs – Last twice as long as fluorescent tubes to reduce replacement costs

Features

- Choice of colors: 3000K, 4000K and 6500K
- The right fit – 600mm, 1200mm or 1500mm
- Longer lifetime – Lasts twice as long as fluorescent lamps
- Wide range of applications
- Enable implementation of HACCP, supported by product level NSF certificate

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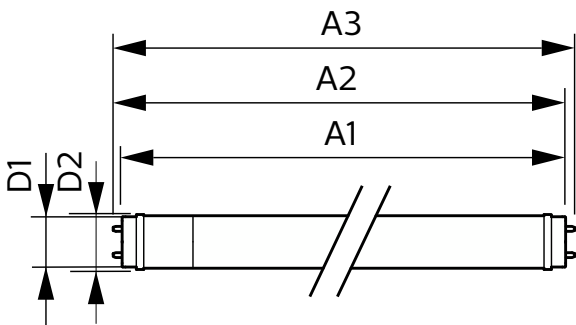
Application

- Offices
- Banks
- Education
- Food and Large Retailers
- Light Commercial

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.

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 15.5W 840 T8 AP I	28 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm 15.5W 865 T8 AP I	28 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm HO 18W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm HO 18W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm UO 17.7W 830 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm UO 17.7W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm UO 17.7W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1500mm HO 24W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm UO 25.9W 830 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm UO 25.9W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm UO 25.9W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 600mm 8W 840 T8 AP I	28 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm 8W 865 T8 AP I	28 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

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General Information	
Cap-Base	G13
Switching Cycle	200,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Beam Angle (Nom)	240 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8
Approval and Application	
Ambient temperature range	-20 to +45 °C

Light Technical

Order Code	Full Product Name	Correlated Color	Color	Luminous Flux
		Temperature (Nom)	Code	
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	6500 K	865	2,000 lm
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	4000 K	840	2,000 lm
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	6500 K	865	2,700 lm
929003519708	CorePro LEDtube 1200mm 15.5W 840 T8 AP I	4000 K	840	1,800 lm
929003519808	CorePro LEDtube 1200mm 15.5W 865 T8 AP I	6500 K	865	1,800 lm
929003547208	CorePro LEDtube 600mm 8W 840 T8 AP I	4000 K	840	800 lm
929003547308	CorePro LEDtube 600mm 8W 865 T8 AP I	6500 K	865	800 lm
929003746102	CorePro LEDtube 1200mm UO 17.7W 830 T8	3000 K	830	2,250 lm
929003746202	CorePro LEDtube 1200mm UO 17.7W 840 T8	4000 K	840	2,400 lm
929003746302	CorePro LEDtube 1200mm UO 17.7W 865 T8	6500 K	865	2,400 lm
929003746402	CorePro LEDtube 1500mm UO 25.9W 830 T8	3000 K	830	3,320 lm
929003746502	CorePro LEDtube 1500mm UO 25.9W 840 T8	4000 K	840	3,500 lm
929003746602	CorePro LEDtube 1500mm UO 25.9W 865 T8	6500 K	865	3,500 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power	Order Code	Full Product Name	Line Frequency	Power
			Consumption				Consumption
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	50 to 60 Hz	18 W	929003746102	CorePro LEDtube 1200mm UO 17.7W 830 T8	-	17.7 W
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	50 to 60 Hz	18 W	929003746202	CorePro LEDtube 1200mm UO 17.7W 840 T8	-	17.7 W
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	50 to 60 Hz	24 W	929003746302	CorePro LEDtube 1200mm UO 17.7W 865 T8	-	17.7 W
929003519708	CorePro LEDtube 1200mm 15.5W 840 T8 AP I	-	15.5 W	929003746402	CorePro LEDtube 1500mm UO 25.9W 830 T8	-	25.9 W
929003519808	CorePro LEDtube 1200mm 15.5W 865 T8 AP I	-	15.5 W	929003746502	CorePro LEDtube 1500mm UO 25.9W 840 T8	-	25.9 W
929003547208	CorePro LEDtube 600mm 8W 840 T8 AP I	-	8 W	929003746602	CorePro LEDtube 1500mm UO 25.9W 865 T8	-	25.9 W
929003547308	CorePro LEDtube 600mm 8W 865 T8 AP I	-	8 W				

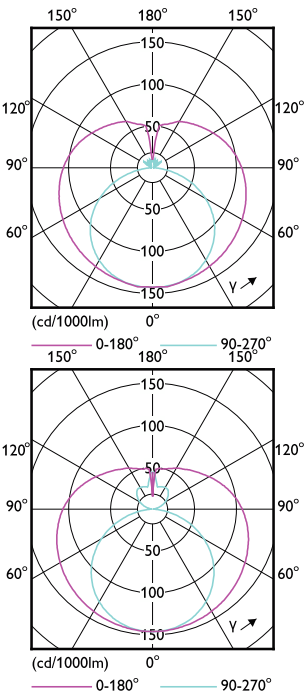
Temperature

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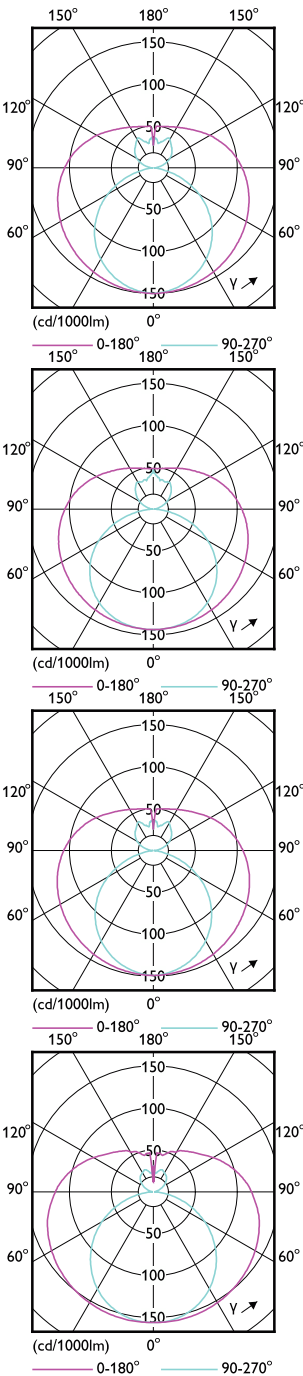
Order Code	Full Product Name	T-Case Maximum (Nom)
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	60 °C
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	60 °C
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	60 °C
929003519708	CorePro LEDtube 1200mm 15.5W 840 T8 AP I	60 °C
929003519808	CorePro LEDtube 1200mm 15.5W 865 T8 AP I	60 °C
929003547208	CorePro LEDtube 600mm 8W 840 T8 AP I	50 °C
929003547308	CorePro LEDtube 600mm 8W 865 T8 AP I	50 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001874802	CorePro LEDtube 1200mm HO 18W 865 T8	18 kWh
929001874902	CorePro LEDtube 1200mm HO 18W 840 T8	18 kWh
929001875002	CorePro LEDtube 1500mm HO 24W 865 T8	24 kWh
929003519708	CorePro LEDtube 1200mm 15.5W 840 T8 AP I	-
929003519808	CorePro LEDtube 1200mm 15.5W 865 T8 AP I	-
929003547208	CorePro LEDtube 600mm 8W 840 T8 AP I	-
929003547308	CorePro LEDtube 600mm 8W 865 T8 AP I	-
929003746102	CorePro LEDtube 1200mm UO 17.7W 830 T8	18 kWh
929003746202	CorePro LEDtube 1200mm UO 17.7W 840 T8	18 kWh
929003746302	CorePro LEDtube 1200mm UO 17.7W 865 T8	18 kWh
929003746402	CorePro LEDtube 1500mm UO 25.9W 830 T8	26 kWh
929003746502	CorePro LEDtube 1500mm UO 25.9W 840 T8	26 kWh
929003746602	CorePro LEDtube 1500mm UO 25.9W 865 T8	26 kWh



Order Code	Full Product Name	T-Case Maximum (Nom)
929003746102	CorePro LEDtube 1200mm UO 17.7W 830 T8	55 °C
929003746202	CorePro LEDtube 1200mm UO 17.7W 840 T8	55 °C
929003746302	CorePro LEDtube 1200mm UO 17.7W 865 T8	55 °C
929003746402	CorePro LEDtube 1500mm UO 25.9W 830 T8	55 °C
929003746502	CorePro LEDtube 1500mm UO 25.9W 840 T8	55 °C
929003746602	CorePro LEDtube 1500mm UO 25.9W 865 T8	55 °C



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