



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 LED tubes 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 LED tubes work directly on the mains. Or simply change the fluorescent starter to an LED starter that can be used with your electromagnetic ballasts.

Benefits

- Optimised energy savings – about 50% more than fluorescent alternatives
- Easy installation – retrofit or rewire
- Same look and feel as fluorescent lamps
- Minimise maintenance costs – lasts twice as long as fluorescent tubes to reduce replacement costs

Features

- Choice of colours: 3,000 K, 4,000 K and 6,500 K
- The right fit – 600 mm, 1,200 mm or 1,500 mm
- 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

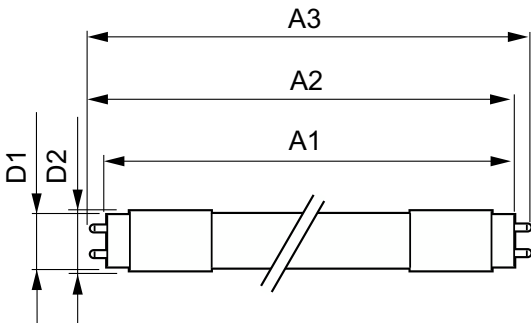
- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.
- Installation must be done according to the installation diagrams provided with the lamp or available online. Installation must be done by a certified professional.

Versions



LEDtube COR 21W G13

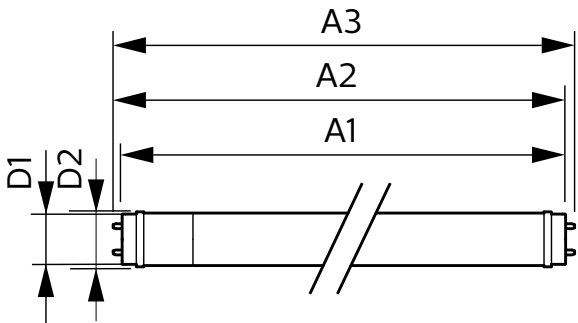
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1800mm 21W 840 T8	25.8 mm	28 mm	1,762.6 mm	1,769.7 mm	1,776.8 mm

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Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 15.5W 840 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1200mm 15.5W 865 T8	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
CorePro LEDtube 1500mm 20W 840 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 1500mm 20W 865 T8	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
CorePro LEDtube 600mm 8W 840 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm 8W 840 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
CorePro LEDtube 600mm 8W 865 T8	25.7 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

General Information	
Cap base	G13
Switching Cycle	200,000
Nominal lifetime	50,000 h
Light Technical	
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting time (nom.)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	T8

Light Technical

Order Code	Full Product Name	Beam angle (nom.)	Correlated Colour Temperature (Nom)	Colour Code	Luminous Flux
929002998802	CorePro LEDtube 1800mm 21W 840 T8	160 degree(s)	4000 K	840	3,100 lm
929003022102	CorePro LEDtube 600mm 8W 840 T8	240 degree(s)	4000 K	840	800 lm
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	240 degree(s)	4000 K	840	1,800 lm
929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	240 degree(s)	6500 K	865	1,800 lm
929003547202	CorePro LEDtube 600mm 8W 840 T8	240 degree(s)	4000 K	840	800 lm
929003547302	CorePro LEDtube 600mm 8W 865 T8	240 degree(s)	6500 K	865	800 lm
929003547402	CorePro LEDtube 1500mm 20W 840 T8	240 degree(s)	4000 K	840	2,200 lm
929003547502	CorePro LEDtube 1500mm 20W 865 T8	240 degree(s)	6500 K	865	2,200 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929002998802	CorePro LEDtube 1800mm 21W 840 T8	21 W
929003022102	CorePro LEDtube 600mm 8W 840 T8	8 W
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	15.5 W
929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	15.5 W

Order Code	Full Product Name	Power Consumption
929003547202	CorePro LEDtube 600mm 8W 840 T8	8 W
929003547302	CorePro LEDtube 600mm 8W 865 T8	8 W
929003547402	CorePro LEDtube 1500mm 20W 840 T8	20 W
929003547502	CorePro LEDtube 1500mm 20W 865 T8	20 W

Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
929002998802	CorePro LEDtube 1800mm 21W 840 T8	60 °C

Order Code	Full Product Name	T-Case maximum (nom.)
929003022102	CorePro LEDtube 600mm 8W 840 T8	50 °C

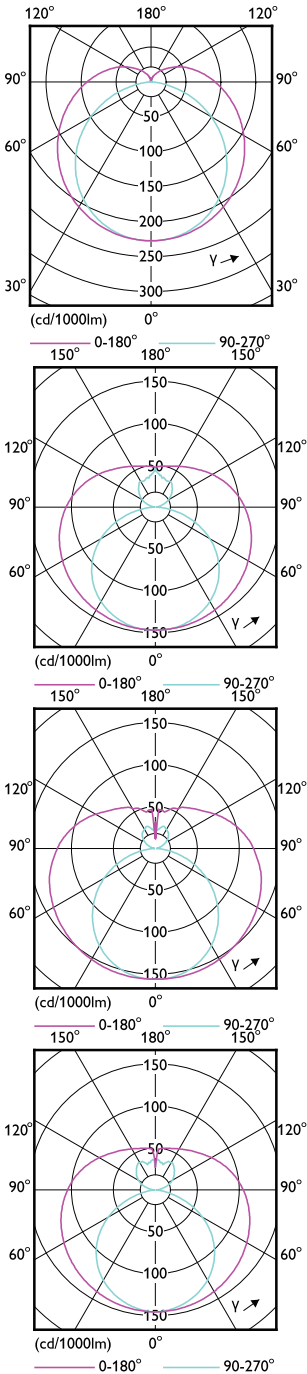
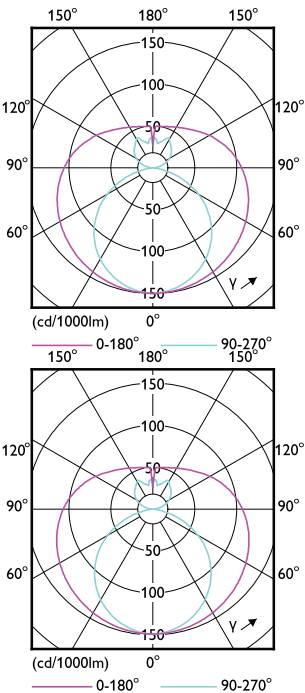
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Order Code	Full Product Name	T-Case maximum (nom.)
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	60 °C
929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	60 °C
929003547202	CorePro LEDtube 600mm 8W 840 T8	50 °C

Order Code	Full Product Name	T-Case maximum (nom.)
929003547302	CorePro LEDtube 600mm 8W 865 T8	50 °C
929003547402	CorePro LEDtube 1500mm 20W 840 T8	60 °C
929003547502	CorePro LEDtube 1500mm 20W 865 T8	60 °C

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/ 1,000 hours
929002998802	CorePro LEDtube 1800mm 21W 840 T8	-20°C to +45°C	21 kWh
929003022102	CorePro LEDtube 600mm 8W 840 T8	-20 to +45 °C	8 kWh
929003519702	CorePro LEDtube 1200mm 15.5W 840 T8	-20 to +45 °C	16 kWh
929003519802	CorePro LEDtube 1200mm 15.5W 865 T8	-20 to +45 °C	16 kWh
929003547202	CorePro LEDtube 600mm 8W 840 T8	-20 to +45 °C	8 kWh
929003547302	CorePro LEDtube 600mm 8W 865 T8	-20 to +45 °C	8 kWh
929003547402	CorePro LEDtube 1500mm 20W 840 T8	-20 to +45 °C	20 kWh
929003547502	CorePro LEDtube 1500mm 20W 865 T8	-20 to +45 °C	20 kWh



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