



# CorePro LEDtube EM/ Mains T8

## CorePro LEDtube 1200mm 18W 840 T8C W G

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.

### 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 (Nom)	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]		1850 lm
EU RoHS compliant	Yes	Color Designation	Cool White (CW)
Nominal Lifetime (Nom)	25000 h	Correlated Color Temperature (Nom)	4000 K
Switching Cycle	50000X	Luminous Efficacy (rated) (Nom)	102.00 lm/W
Technical Type	18-32-36W	Color Consistency	<6
		Color Rendering Index (Nom)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light technical		Operating and electrical	
Color Code	840 [ CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	240 °		

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Power (Nom)	18 W
Lamp Current (Max)	160 mA
Lamp Current (Min)	95 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.92
Voltage (Nom)	100-240 V

## 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)	65 °C

## Controls and dimming

Dimmable	No
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## Mechanical and housing

Product Length	1200 mm
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Bulb Shape	Tube, single-ended
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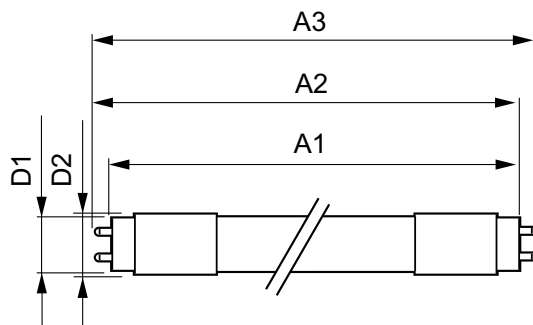
## Approval and application

Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	18 kWh

## Product data

Full product code	871869963757600
Order product name	CorePro LEDtube 1200mm 18W 840 T8C W G
EAN/UPC - Product	8718699637576
Order code	929001999872
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	929001999872

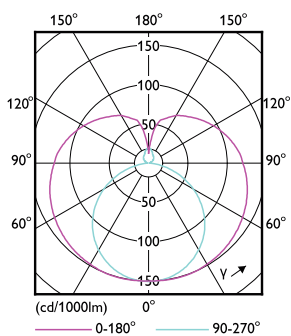
## Dimensional drawing



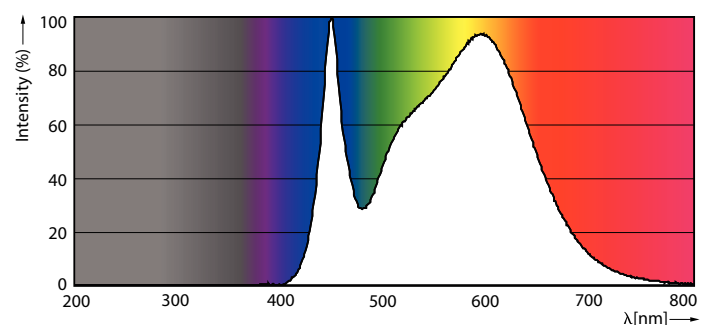
CorePro LEDtube 1200mm 18W 840 T8C W G

Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 18W 840 T8C W G	25.6 mm	27.8 mm	1199.4 mm	1205.3 mm	1213.6 mm

## Photometric data



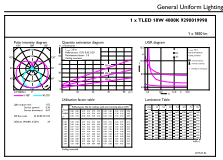
LEDtube 18W G13 1850lm



LEDtube 18W G13 840

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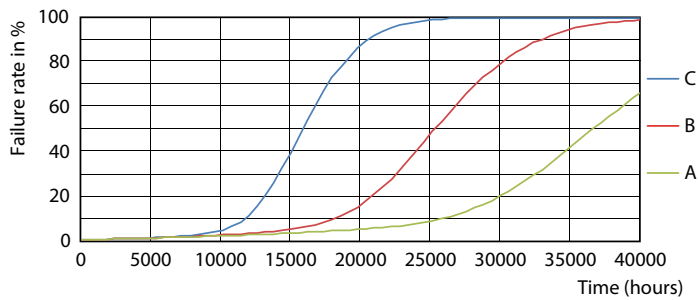
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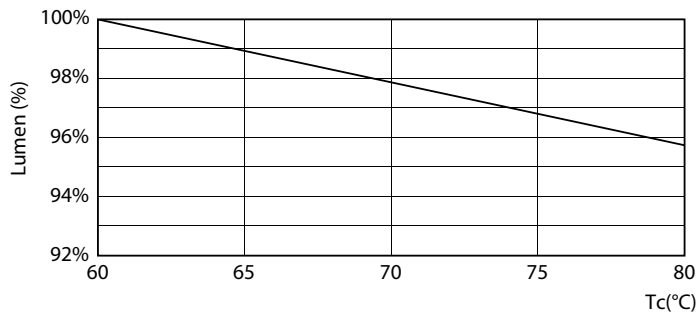
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LEDtube 18W G13 1850lm 840

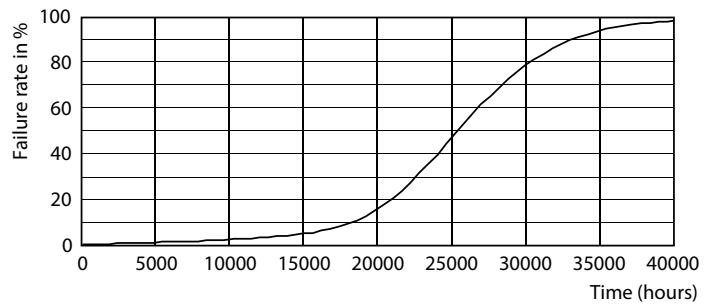
## Lifetime



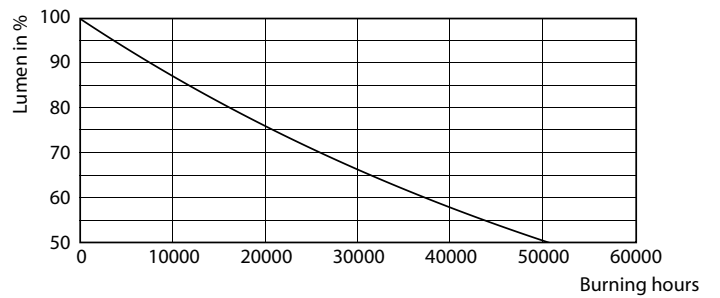
LEDtube 25K FailureRate



LEDtube 25K 1 LumenVsTc



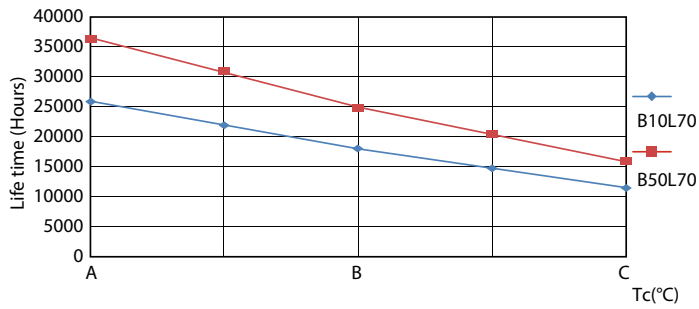
LEDtube 25K



LEDtube 25K

# CorePro LEDtube EM/Mains T8

## Lifetime



LEDtube 25K LifetimeVsTc

