



# CorePro LED tube EM/ Mains T8

## CorePro LEDtube 1200mm 17W 840 T8 AU 1CT

CorePro, LEDtube, T8, EM/Mains, Single-end, 1200 mm, 220-240 V, 17 W, 36W TL-D, 4000 K, 1800 lm, 50000 hour(s)

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		Light Technical	
Cap-Base	G13	Color Code	840 [CCT of 4000K]
Nominal lifetime	50,000 hour(s)	Beam Angle (Nom)	240 degree(s)
Switching Cycle	200,000	Luminous Flux	1,800 lm
Lighting Technology	LEDtube	Color Designation	Cool White (CW)
		Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	105 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471 RGO	

### Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	17 W
Lamp Current (Nom)	84 mA
Wattage Equivalent	36 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36W TL-D
Ballast Compatibility	EM/Mains

### Temperature

T-Case Maximum (Nom)	60 °C
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### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Bulb Finish	Frosted
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Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.220 kg

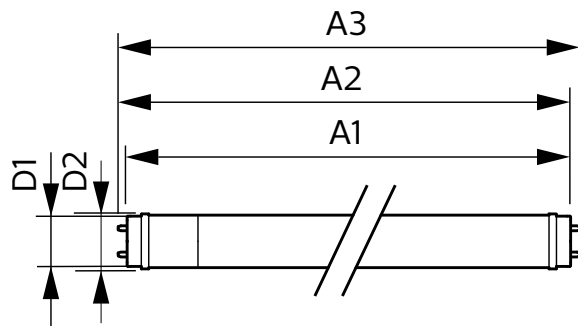
### Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

### Product Data

Order product name	CorePro LEDtube 1200mm 17W 840 T8 AU 1CT
Full product name	CorePro LEDtube 1200mm 17W 840 T8 AU 1CT
Full product code	872110303638400
Order code	929003519720
Material Nr. (12NC)	929003519720
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103036384
Numerator - Packs per outer box	10
EAN/UPC - Case	8721103036391

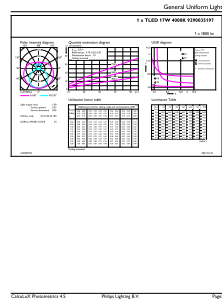
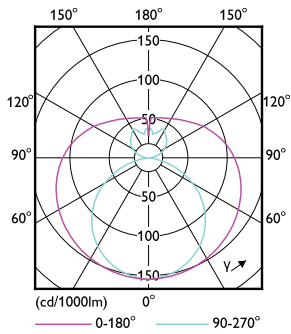
## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LEDtube 1200mm 17W 840 T8 AU 1CT	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

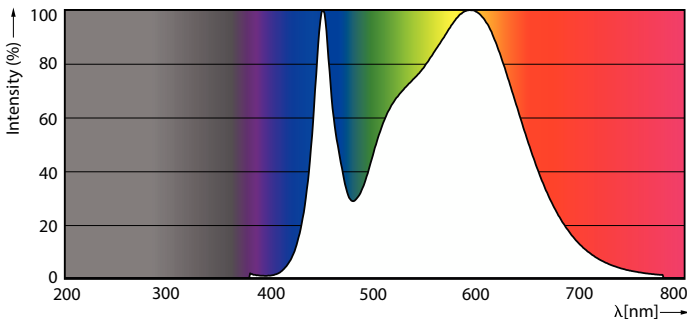
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## Photometric data



Light Distribution Diagram - CorePro LEDtube 1200mm 17W 840 T8 AU 1CT

General uniform lighting - CorePro LEDtube 1200mm 17W 840 T8 AU 1CT

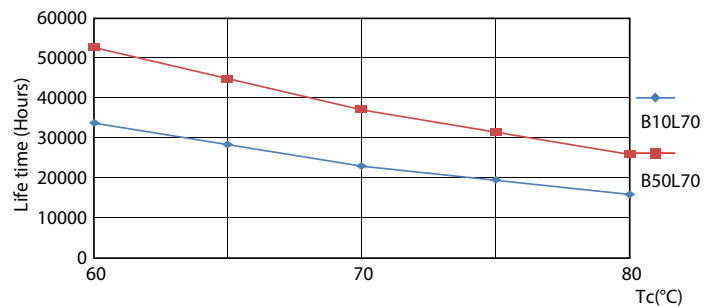


Spectral Power Distribution Colour - CorePro LEDtube 1200mm 17W 840 T8 AU 1CT

## Lifetime



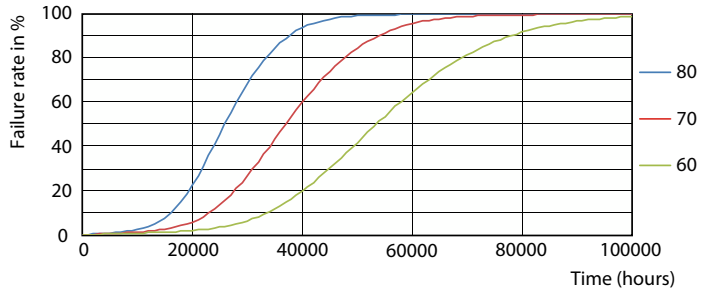
Life Expectancy Diagram



LifetimeVsTc

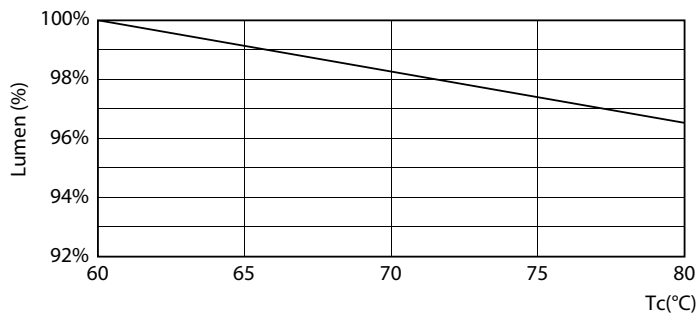
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## Lifetime



### FailureRate

### Lumen Maintenance Diagram - CorePro LEDtube 1200mm 17W 840 T8 AU 1CT



### Lumen Maintenance Diagram - CorePro LEDtube 1200mm 17W 840 T8 AU 1CT

