



# CorePro LEDtube EM/ Mains T8



## CorePro LEDtube 1200mm 15.5W 840 T8

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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

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Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.9
Photobiological safety according to EN 62471 RGO	

## Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	15.5 W
Lamp Current (Nom)	84 mA
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	36 W

## Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

## 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	Tube, double-ended

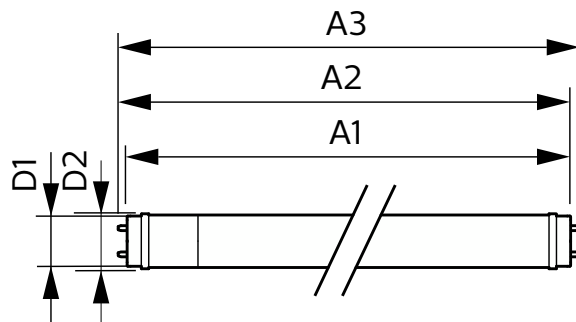
## Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh
EPREL Registration Number	1384728

## Product Data

Full product code	871951444807000
Order product name	CorePro LEDtube 1200mm 15.5W 840 T8
Order code	929003519702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929003519702
Full product name	CorePro LEDtube 1200mm 15.5W 840 T8
EAN/UPC - Case	8719514448087
EAN/UPC - Product/Case	8719514448070

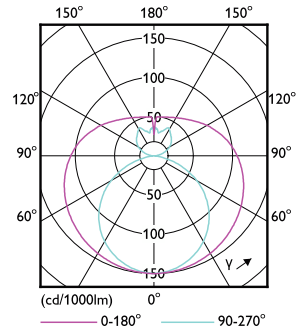
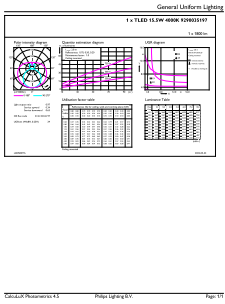
## Dimensional drawing



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

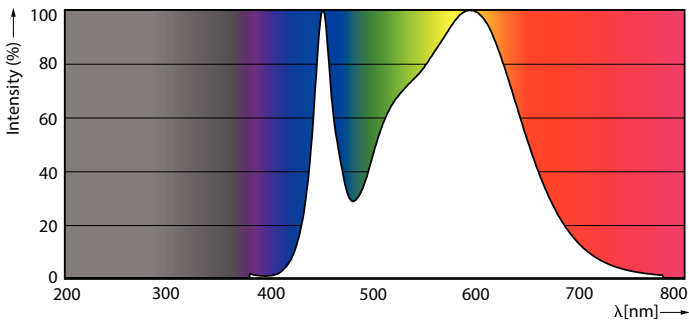
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## Photometric data



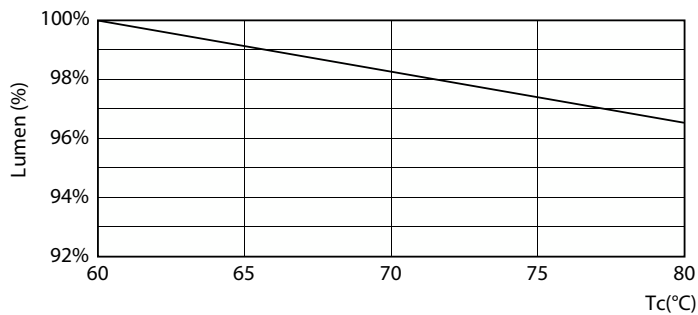
General uniform lighting - CorePro LEDtube 1200mm 15.5W 840 T8

Light Distribution Diagram - CorePro LEDtube 1200mm 15.5W 840 T8

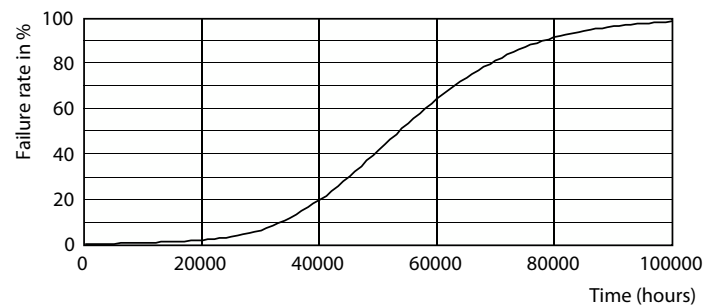


Spectral Power Distribution Colour - CorePro LEDtube 1200mm 15.5W 840 T8

## Lifetime



Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 840 T8



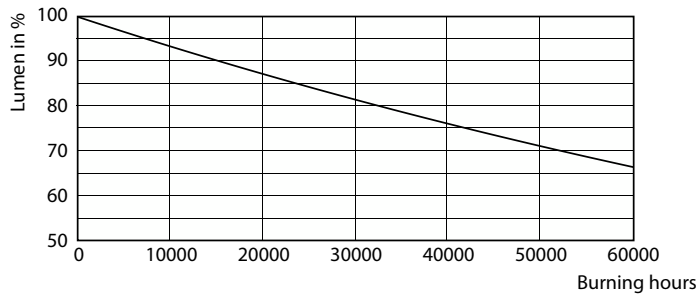
Life Expectancy Diagram - CorePro LEDtube 1200mm 15.5W 840 T8

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Lumen Maintenance Diagram - CorePro LEDtube 1200mm 15.5W 840 T8

